Atrust

Atrust t180L / t180LB Thin Clients

User's Manual

Internal Draft 0.04

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About This User's Manual

This manual provides detailed instructions on how to set up, use, manage, and maintain Atrust t180L/t180LB thin clients.

Manual Structure and Subjects

Chapter	Subject
1	Provides an overview of Atrust t180L/t180LB thin clients.
2	Provides detailed instructions on how to set up Atrust t180L/t180LB thin clients.
3	Provides the basics of how to use Atrust t180L/t180LB thin clients.
4	Provides instructions on how to configure client settings and customize Atrust t180L/t180LB thin clients with the Atrust Client Setup console.
Appendices	Provides supplementary instructions on advanced settings, maintenance, and upgrade for Atrust t180L/t180LB thin clients.
Specifications	Provides detailed information on key components of Atrust t180L/t180LB thin clients.

Notes, Tips, and Warnings

Throughout this manual, the notes, tips, and warnings in the following formats are used to provide important information, useful advice, and prevent injuries to you, damage to your devices, or loss of data on your system.

NOTE

- A note provides important information for a specific situation.

TIP

- A tip gives a piece of useful advice to perform a task more efficiently.

WARNING

- A warning provides crucial information that must be followed to prevent injuries to you, damage to your devices, or loss of data on your system.

Style Conventions

The following styles are used throughout this manual while referring to operational items on input devices, hardware panels, or application interfaces.

Item	Style	Example
keys on the keyboard	bold	**Ctrl + F2**, **Alt + F9**, **Alt + Tab**
application windows or entry lists	first letter capitalized	Confirm Dialog window, RDP Connection list, ICA Connection list, View Connection list
buttons or tabs on a window, toolbars, taskbar, or menu	bold	**OK**, **Next**, **Save**, **Applications** tab
options on a window, screen, list, or menu	bold	**Add**, **Domain**, **Connection Type**, **High Quality**
selecting a series of options	bold	**Applications** > **Citrix ICA**, **Applications** > **Remote Desktop**, **Applications** > **VMware View**, **Network** > **Wireless**, **Devices** > **Printer**, **System** > **Time Zone**

Safety and Regulatory Information

Regulatory Statement

Federal Communications Commission Interference Statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Regulatory Information

WEEE (Waste Electrical and Electronic Equipment) Directive

In the European Union, this symbol indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling. For proper disposal, please contact your local recycling or hazardous waste center.

Safety Information

WARNING

- Use only power supplies listed in the user instructions.

WARNING

- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

WARNING

- For safety, do not make mechanical or electrical modifications to the equipment.
- Do not remove equipment covers and access any of the components inside the equipment. Any access inside the equipment without an authorized or certified technician may cause serious injuries and damage. For any problem, contact your dealer for assistance.
- You should only make repairs as authorized by the product documentation. Repairs, replacement, expansion, and upgrades not performed by a certified service technician may cause injuries to you, damage your system, and void your warranty.

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1

Overview

This chapter provides an overview of your t180L / t180LB thin clients.

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1.2 Features
Key features of Atrust t180L / t180LB 3

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1.1 Introduction

Desktop virtualization provides a new perspective to reconsider the design and implementation of an IT infrastructure. In a desktop virtualization infrastructure, a station is no longer a cumbersome desktop, but simply an endpoint device for users to access delivery services from the server(s).

With the introduction of the desktop virtualization technologies, you can considerably benefit from:

- On-demand access to applications / desktops
- Centralized management of work environments
- Drastically reduced endpoint software / hardware issues
- Simplified system maintenance
- Improved system security
- More scalability with low-cost endpoint devices

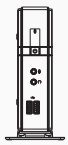
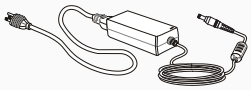
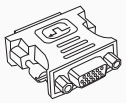
1.2 Features

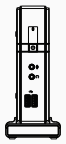
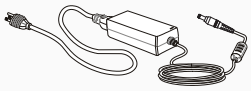
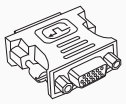
The key features of Atrust t180L / t180LB thin clients are:

- Support for dual displays (DVI-I and DVI-D)
- Support for a wide range of desktop virtualization solutions from industry-leading companies:
  - Microsoft® Remote Desktop
  - Citrix® XenApp™, XenDesktop®, and VDI-in-a-Box™
  - VMware® View™ and VMware® Horizon View™
- Support for high-definition technologies:
  - Microsoft® RemoteFX®
  - Citrix® HDX™
  - VMware® View™ PCoIP®
- Simple click-access to various applications / desktops
- Built-in Atrust Client Setup as the local client management console

1.3 Package Contents

Please check your package contents. Ensure that all of the items are present in your package. If any items are missing or damaged, please contact your dealer immediately.

Atrust t180L	AC Adapter	DVI-I to VGA Adapter
		
Quick Start Guide		

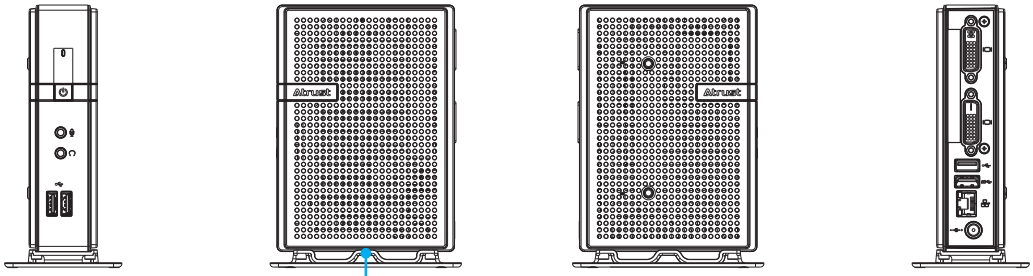
Atrust t180LB	AC Adapter	DVI-I to VGA Adapter
		
Quick Start Guide		

NOTE

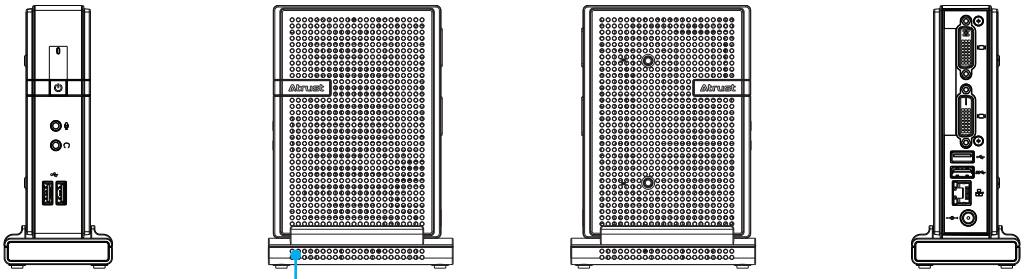
- Your package may ***not*** contain a ***hard copy*** of the Quick Start Guide. In this case, a ***soft copy*** in PDF format will be provided.

1.4 Exterior Views

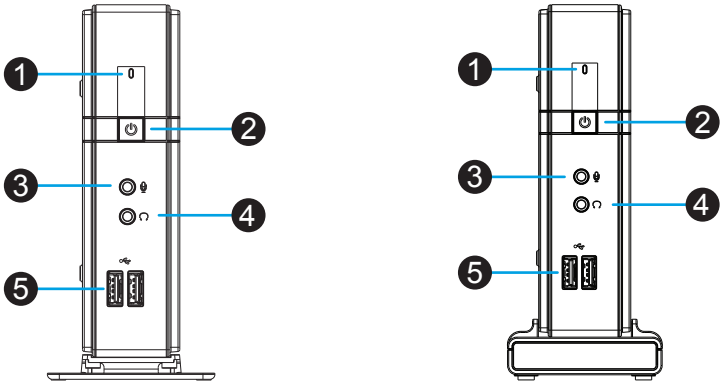
Front Right Side Left Side Rear



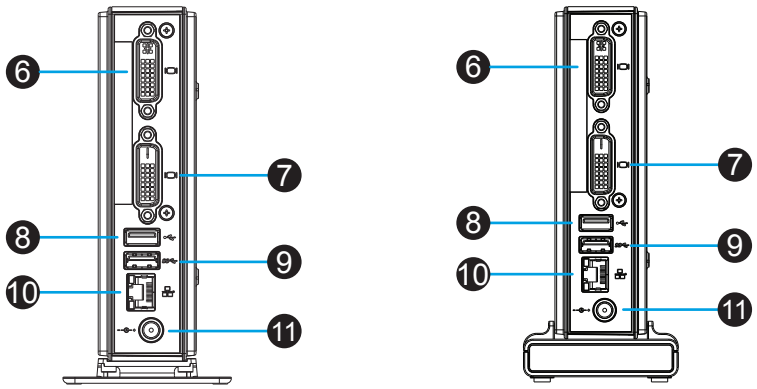
Front Right Side Left Side Rear



1.5 Panel Components



Front Panel Components			
No.	**Sign**	**Name**	**Description**
1		Power LED	Indicates the status of power.
2	⏻	Power button	• Press to turn on the thin client. • Press to exit the ***System Sleep mode***. See page 20 for ***Suspend*** feature. • Long press to power off the thin client.
3	🎤	Microphone port	Connects to a microphone.
4	🎧	Headphone port	Connects to a set of headphones or a speaker system.
5	⇄	USB port (USB 2.0)	Connects to a USB device.



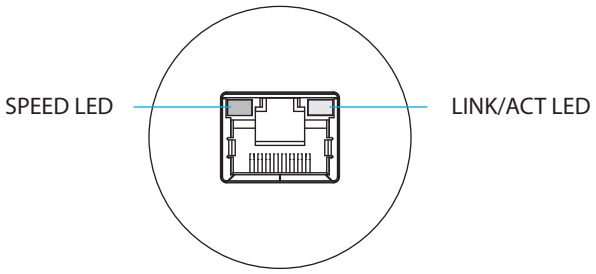
Rear Panel Components			
No.	**Sign**	**Component Name**	**Description**
6		DVI-I port	Connects to a monitor.
7		DVI-D port	Connects to a monitor.
8		USB port (USB 2.0)	Connects to a USB device.
9		USB port (USB 3.0)	Connects to a USB device.
10		LAN port	Connects to a network.
11		DC IN	Connects to an AC adapter.

1.6 LED Indicators

Your t180L / t180LB is equipped with a Power LED to indicate the state of power. The meanings of LED signals are described as follows:

LED	Signal	Meaning
Power LED	Off	The client is off.
	Orange	The client is in System Sleep mode.
	Blue	The client is on.

The LAN port of your t180L / t180LB has two LED indicators showing the state of networking. The meanings of LED signals are described as follows:



	SPEED LED (transmission rate)	LINK/ACT LED (linking/transmission activity)	Meaning
LED Signal	Off	Off	The client is not connected to a LAN.
	Off	Amber blinking	The client connects to a 10 Mbps LAN.
	Orange	Amber blinking	The client connects to a 100 Mbps LAN.
	Green	Amber blinking	The client connects to a 1000 Mbps LAN.

2

Setting Up Your t180L / t180LB

This chapter provides detailed instructions on how to set up your t180L / t180LB thin clients.

2.1 Positioning Your t180L / t180LB

To mount your t180L

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2.2 Assembling the AC Adapter

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2.3 Getting Connected

How to connect peripherals and power for t180L / t180LB 16

2.1 Positioning Your t180L / t180LB

There are two ways to position your t180L:

- Put it (with its stand) on a desk or a desired place ***uprightly***.
- Mount it on ***the back of a monitor*** using a VESA mount kit.

To mount your t180L on the back of a monitor, please follow the steps below:

Step 1: Remove the Stand from Your t180L

Step 2: Understand Your Stand / VESA Mount Kit for t180L

Step 3: Store Away Screws inside the Bracket

Step 4: Remove Screws from the Bracket

Step 5: Mount Your t180L

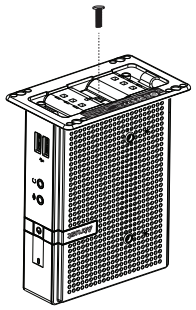
NOTE

- If your t180 uses a non-standard stand with the wireless module, you will need a different VESA bracket to mount it on the back of the monitor. For details, please refer to topic "Mounting with Another VESA Bracket (t180LB)" on page 15.

Step 1: Remove the Stand from Your t180L

To remove the stand from your t180L, please do the following:

1. Place your t180L on a flat surface with the stand side upward.
2. Remove the screw that fixes the stand to your t180L.
3. Store away the removed screw inside the stand. Detailed instructions will be provided in **Step 2** and **3**.



NOTE

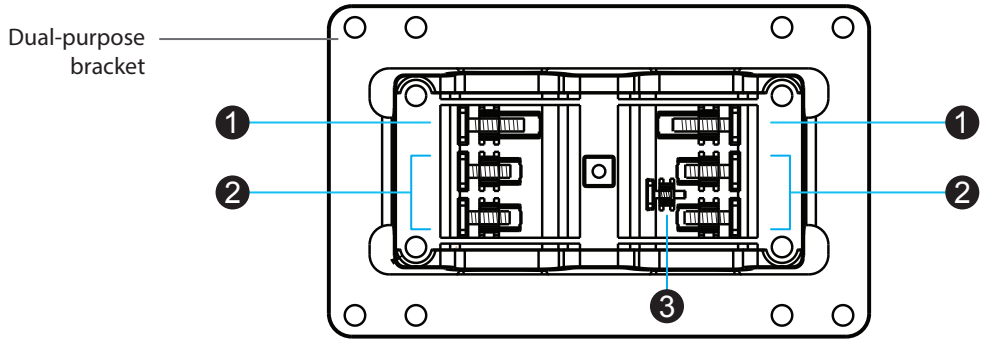
- It's highly recommended to store screws away inside the stand when not needed to prevent them getting lost.

Step 2: Understand Your Stand / VESA Mount Kit for t180L

The stand for your t180L is dual-purpose: it can be used as a stand or as a VESA mount kit. All screws of different types supplied with the stand / VESA mount kit can be stored away inside the main bracket when not needed.

Screws Stored Away inside the Bracket

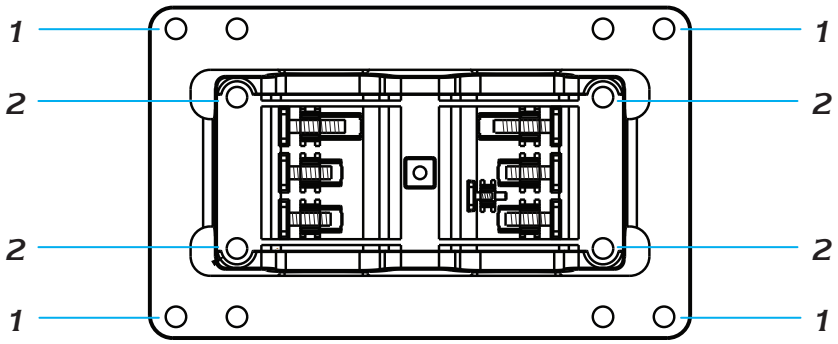
The following figure shows different types of screws stored away inside the main bracket.



Screw Type	Number	Description
1	2	The largest-size screws used to secure the bracket to a monitor as a VESA mount if the middle-size screws cannot firmly secure the bracket and your t180L to the monitor.
2	4	The middle-size screws used to secure the bracket to your t180L and to a monitor when using the bracket as a VESA mount.
3	1	The smallest-size screw used to secure the bracket to your t180L as a stand.

Mount Holes on the Bracket

Refer to the following figure and descriptions for the VESA mount holes on the bracket.



Mount Hole	Description
1	The VESA mount holes used to secure the bracket to a monitor (only two of them will be used).
2	The VESA mount holes used to secure the bracket to your t180L (only two of them will be used).

Step 3: Store Screws inside the Bracket

To store screws inside the bracket, please do the following:

> **NOTE**
>
> - It's highly recommended to store screws inside the bracket when not needed to prevent them getting lost.

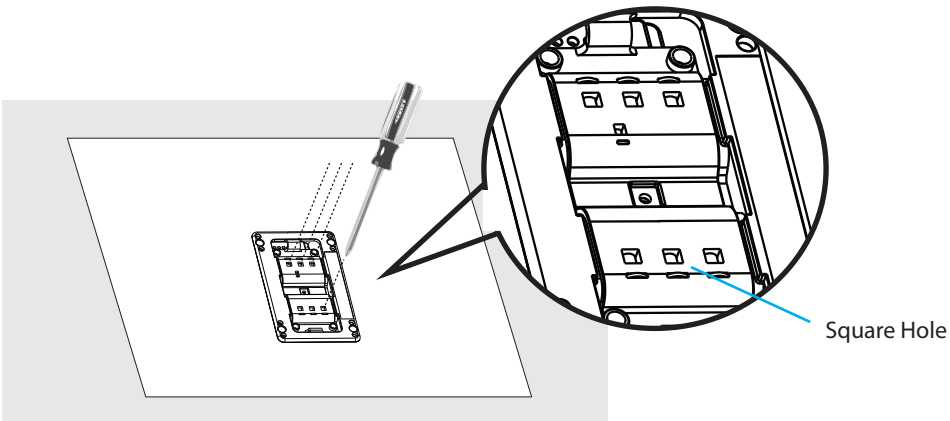
1. Place a sheet of paper or a piece of cloth on a flat surface, and then put your bracket on that paper or cloth with the screw storage side upward.
2. Place the screw upon its storage space, and push the screw into the space with your finger until it clicks into place. For the smallest-size screw, use the tip of a screwdriver instead to push the screw.

> **NOTE**
>
> - Please refer to the figure and descriptions in "Step 2: Understand Your Stand / VESA Mount Kit for t180L" for the correct storage space of each screw.

Step 4: Remove Screws from the Bracket

To remove screws stored inside the bracket, please do the following:

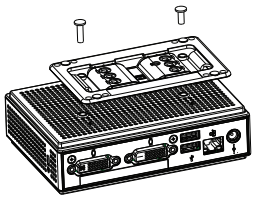
1. Place a sheet of paper or a piece of cloth on a flat surface, and then put your bracket on that paper or cloth with the screw storage side downward.
2. Insert the tip of a screwdriver into the square holes to remove the desired screws from the bracket.



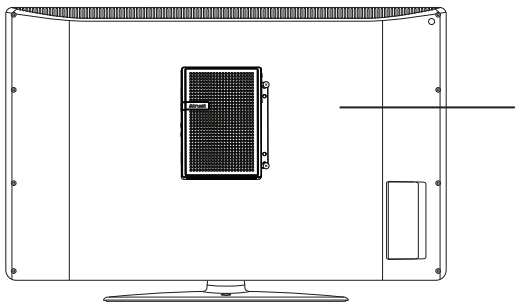
Step 5: Mount Your t180L

To mount your t180L on the back of a monitor, please do the following:

1. Refer to **Step 2** and **Step 4** to prepare required screws for mounting your t180L.
   - You will need two (2) screws of type ❷ to secure the bracket to your t180L.
   - You will need two (2) screws of type ❶ or ❷ to secure the bracket to the monitor.
2. Place your t180L on a flat surface with the VESA mount hole side upward.
3. Refer to **Step 2** to choose two of the four VESA mount holes on the bracket to align with two mount holes on your t180L such that the bracket projects out and is closer to the rear panel than the front one as shown below, and then secure the bracket to your t180L with two (2) screws of type ❷.



4. Align the mount holes on the bracket with the mount holes on the back of the monitor, and then secure the bracket to the monitor with two (2) screws of type ❷ or ❶. Ensure that your t180L is located in the center of the monitor and the rear panel of your t180L is facing rightward as shown below.

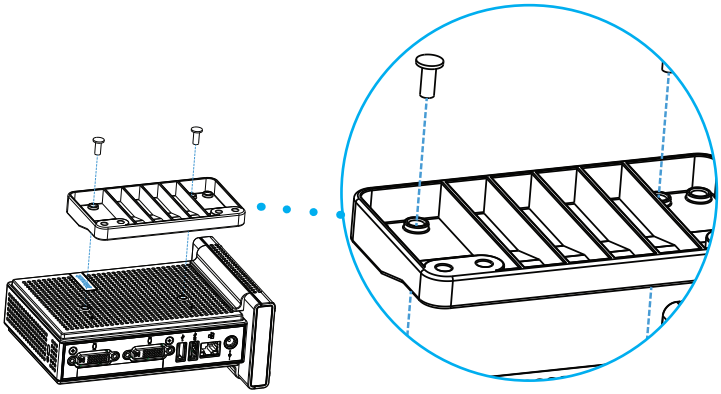


Mounting with Another VESA Bracket (t180LB)

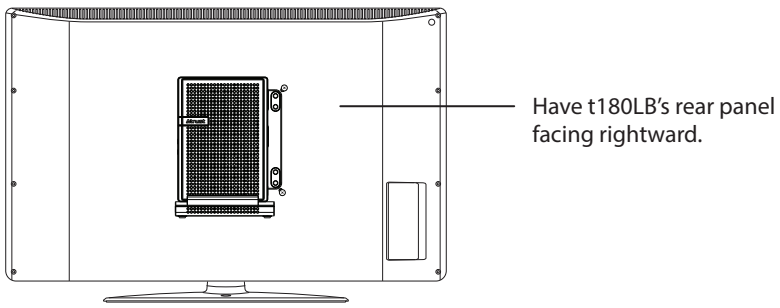
In case that your t180 uses a non-standard stand with the wireless module (t180LB), a different VESA bracket will be provided for you to mount your t180LB on the back of a monitor.

To mount your t180LB, follow the steps below:

1. Align two mount holes on the VESA bracket with two mount holes on your t180LB, and then secure the bracket to your t180LB with two (2) screws as shown below.

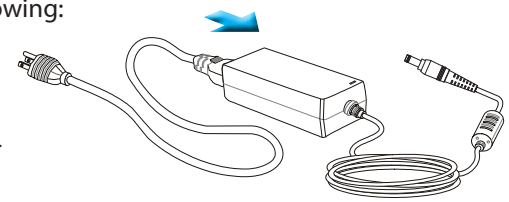


2. Align the mount holes on the VESA bracket with the mount holes on the monitor, and then secure the bracket and t180LB to the monitor with two (2) screws as shown. Ensure that your t180LB is located in the center of the monitor and the rear panel of your t180LB is facing rightward as shown below.



2.2 Assembling the AC Adapter

To assemble the AC adapter for your t180L / t180LB, please do the following:



1. Unpack your thin client package and take out the AC adapter and its detached AC power cord.
2. Press the female end of the power cord into the male connector of the AC adapter.

NOTE

- The plug of the supplied power cord may vary with your area.

2.3 Getting Connected

To make connections for your t180L / t180LB, please do the following:

1. Connect your t180L / t180LB to your local network with an Ethernet cable.
2. Connect a keyboard and mouse to your t180L / t180LB with USB ports.
3. Connect and turn on the monitor(s).
4. Connect your t180L / t180LB to a power outlet using the AC adapter included in the package.

NOTE

- For detailed instructions on how to assemble the supplied AC adapter, please refer to section "2.2 Assembling the AC Adapter" on page 16.

5. Connect other peripherals for your t180L / t180LB if needed.

3

Getting Started

This chapter provides the basics of how to use your t180L/t180LB.

3.1 Learning the Basics

Topic 1: Powering On Your t180L/t180LB 20
Topic 2: Configuring the Time Zone 21
Topic 3: Returning to the Quick Connection Screen 22
Topic 4: Accessing Desktops or Applications 23

3.1 Learning the Basics

The following topics will guide you through the basics of using your t180L/t180LB:

Topic 1: Powering On Your t180L/t180LB

Topic 2: Configuring the Time Zone

Topic 3: Returning to the Quick Connection Screen (if needed)

Topic 4: Accessing Desktops or Applications

- Microsoft Remote Desktop Services (RDP sessions)
- Citrix Services (ICA sessions)
- VMware View or Horizon View Services (View sessions)

NOTE

- Three client modes are available for your t180L/t180LB:

No.	Mode	Description
1	Appliance	The client will start up directly with the desired RDP / ICA / View session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired RDP / ICA / View session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

- In Quick Connection mode, you can access Microsoft Remote Desktop / Citrix / VMware View or Horizon View services ***quickly*** without much client configuration required. The main purpose of this chapter is to guide you through the use of your t180L/t180LB under the Quick Connection mode.
- To understand other modes, configure advanced settings, and customize your t180L/t180LB, please refer to chapter 4 "Configuring Client Settings" on page 37.

Topic 1: Powering On Your t180L/t180LB

To start using your t180L/t180LB, please do the following:

1. Ensure that your monitor is ***connected and turned on***.

> **NOTE**
>
> - Please note that you need to connect and turn on your monitor ***before*** powering up the thin client. Otherwise, the client may fail to set an appropriate resolution for the connected monitor.

2. Press the Power button to turn on the client. Wait a moment for ***Atrust Quick Connection screen*** to appear.
3. (a) Go to **Topic 2** to set the time zone for the ***first time*** use.
   (b) Go to **Topic 4** if the time zone had been set.

Atrust Quick Connection Screen

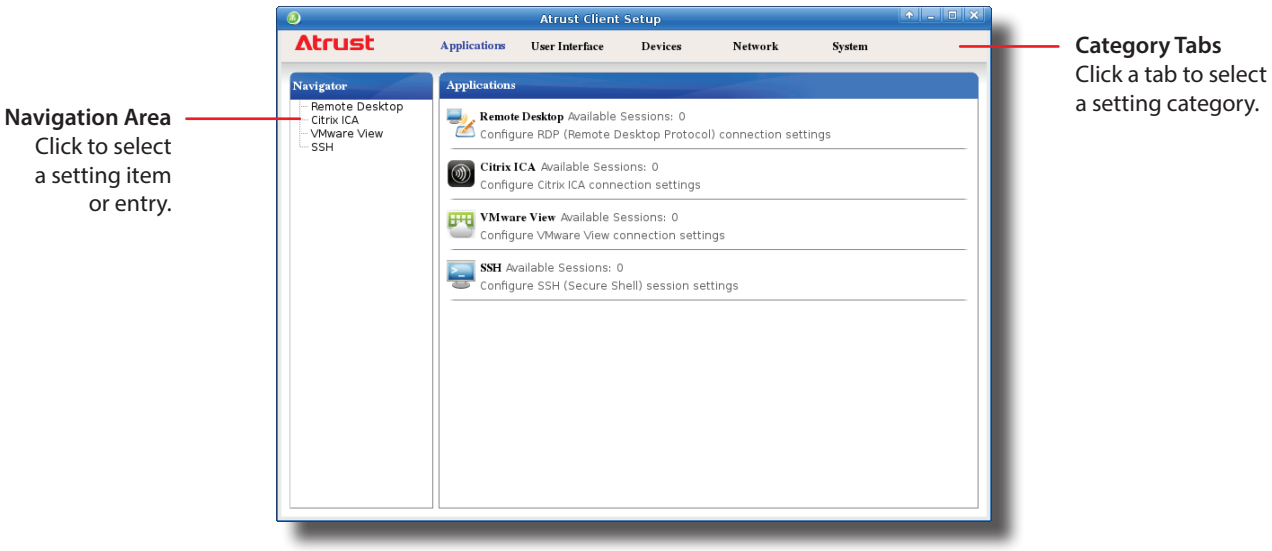
Power Off	Click the icon to suspend, shut down, or restart the system.
Local Desktop	Click the icon to enter the local Linux desktop. To return to this screen from the local Linux desktop, see **Topic 3**.
Setup	Click the icon to launch Atrust Client Setup.
Mixer	Click the icon to configure audio settings.
Network	Indicates the network type (wired or wireless) and status. Click the icon to configure network settings.

Topic 2: Configuring the Time Zone

To set the time zone for your t180L/t180LB, please do the following:

1. Click the **Setup** icon to launch Atrust Client Setup.

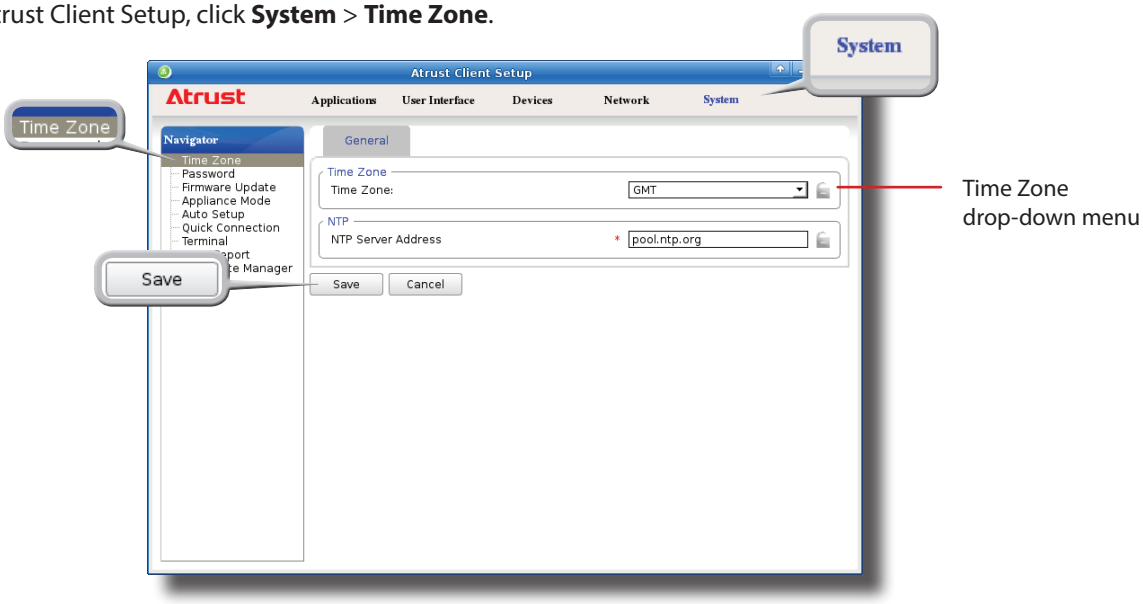
Atrust Client Setup



NOTE

- For detailed instructions on how to configure client settings and customize your t180L/t180LB with Atrust Client Setup, please refer to chapter 4 "Configuring Client Settings" on page 37.

2. On Atrust Client Setup, click **System** > **Time Zone**.

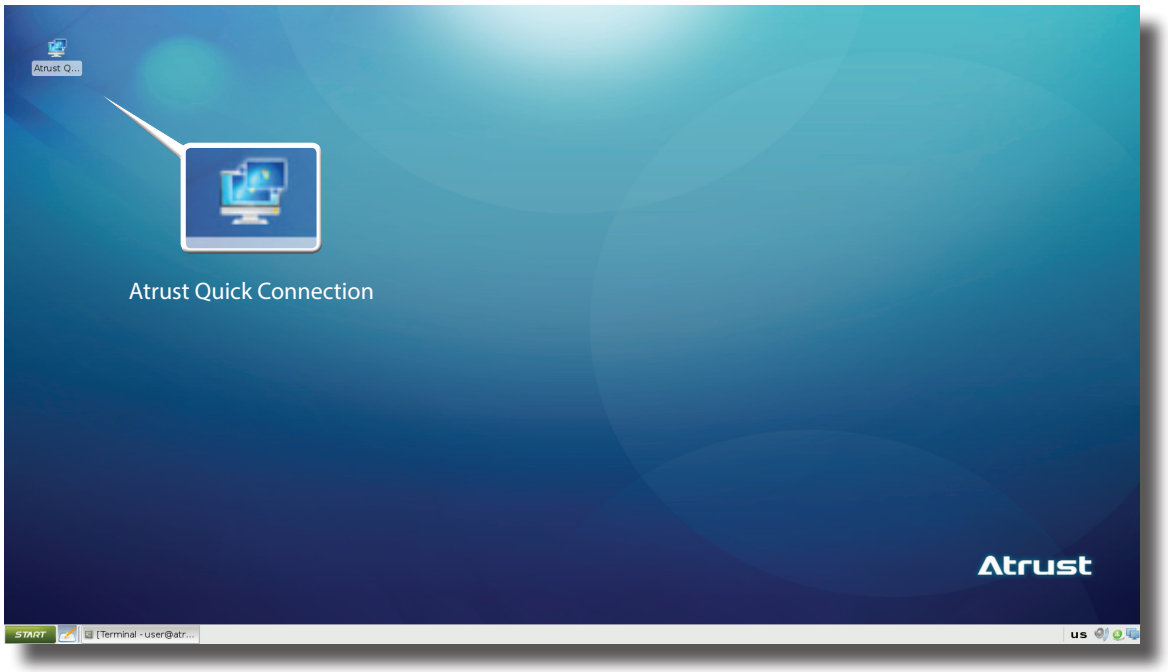


3. Click the Time Zone drop-down menu to select the desired time zone.
4. Click **Save** to apply, and then close Atrust Client Setup.

Topic 3: Returning to the Quick Connection Screen

To return to ***Atrust Quick Connection screen*** when on local Linux desktop, please double click **Atrust Quick Connection** on that desktop.

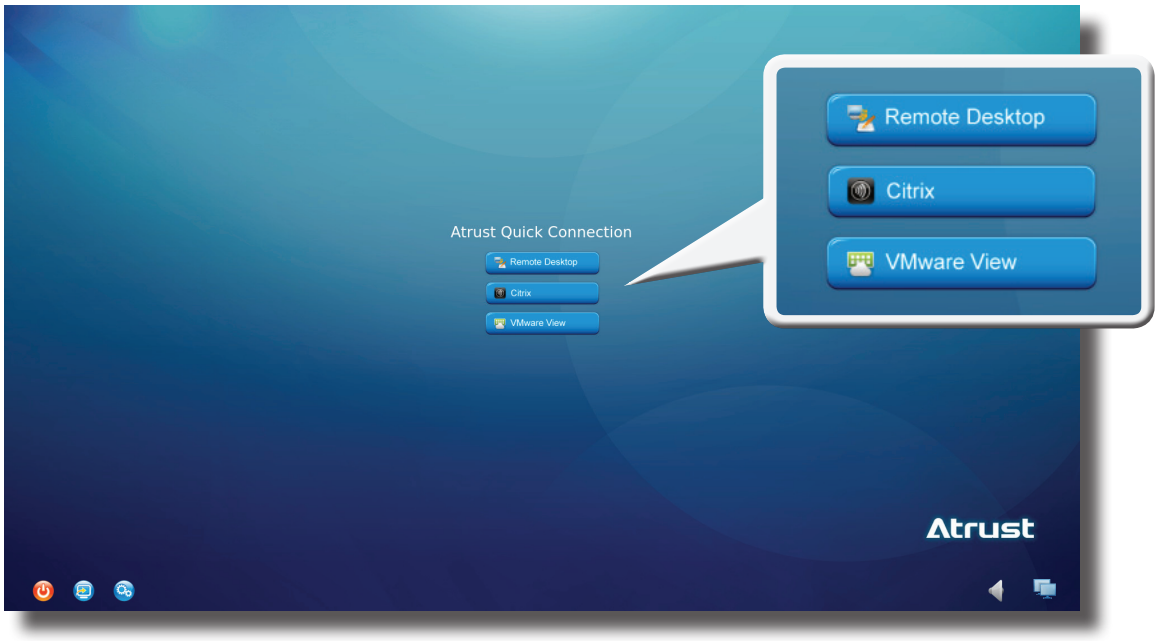
Local Linux Desktop



Topic 4: Accessing Desktops or Applications

Through Atrust Quick Connection screen, you can access three types of desktop virtualization services: **Remote Desktop**, **Citrix**, and **VMware View**.

Atrust Quick Connection Screen

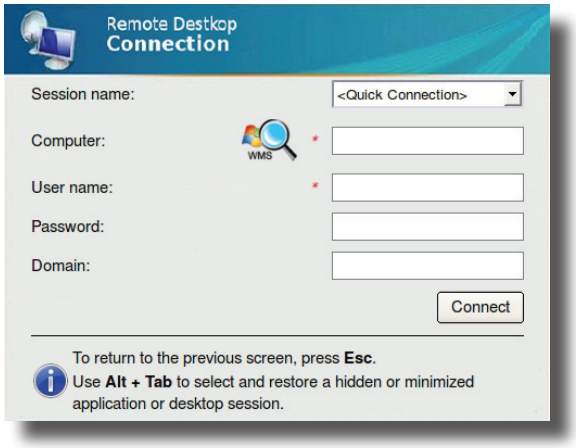


Icon	Description	Page
Remote Desktop	Click to access Microsoft Remote Desktop services.	24
Citrix	Click to access Citrix XenApp, XenDesktop, or VDI-in-a-Box services.	25
VMware View	Click to access VMware View or Horizon View services.	34

Accessing Microsoft Remote Desktop Services

To access Microsoft Remote Desktop services, please do the following:

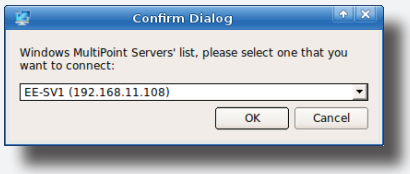
1. Click Remote Desktop on Atrust Quick Connection screen (see the screen in Topic 4).
2. On the appeared window, type in the computer name or IP address of the server, user name, password, and domain (if any), and then click **Connect**.



NOTE

- To discover available Windows MultiPoint Server systems over your network, please do the following:

  1. Click WMS on the left of the Computer field.
  2. Upon completion, a window appears with the search result.



  3. Click the drop-down menu to select the desired system, and then click **OK**.
  4. The IP address of the selected system will appear in the Computer field.

- To return to ***Atrust Quick Connection screen*** (see the screen in Topic 4), press **Esc**.

3. The remote desktop will be displayed on the screen.

Accessing Citrix Services

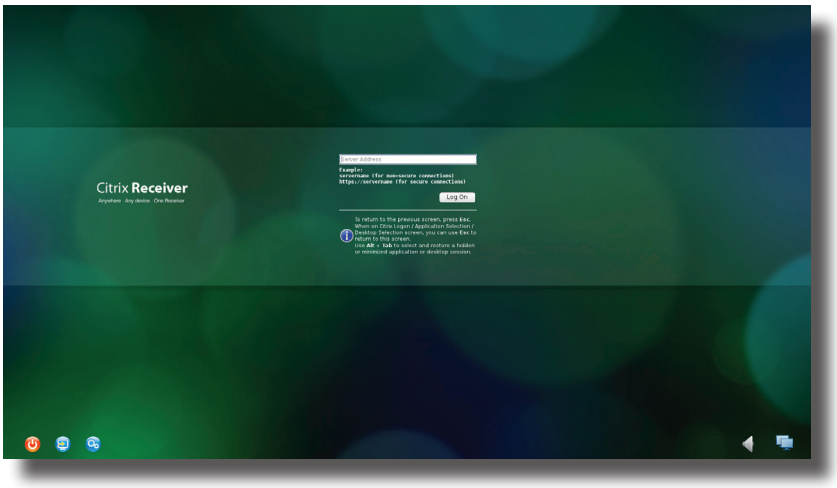
Connecting to the Server

To connect to the server through which Citrix services are accessible, please do the following:

1. Click

on Atrust Quick Connection screen (see the screen in Topic 4).
2. On the appeared ***Atrust Citrix Connection screen***, enter the appropriate IP address / URL / FQDN of the server, and then click **Log On**.

Atrust Citrix Connection Screen



NOTE

- For newer versions of XenDesktop and XenApp, you may need to further specify the sub-path of the server. Refer to the following table for details:

Citrix Product	Component to Connect	Connection Address
XenApp 6.5 or earlier	Web Interface	IP / URL / FQDN
XenDesktop 5.6 or earlier	Web Interface	IP / URL / FQDN
XenApp and XenDesktop 7.5	StoreFront	IP / URL / FQDN **plus** *sub-path* **For example —** **FQDN:** X75.CTX.poc **Sub-path:** /Citrix/StoreWeb (default) **Connection Address:** X75.CTX.poc/Citrix/StoreWeb

- FQDN is the acronym of Fully Qualified Domain Name.
- To return to ***Atrust Quick Connection screen*** (see the screen in Topic 4), press **Esc**.

Logging On to Citrix Services

When connected to the server, the ***Citrix Logon screen*** appears. The appeared screen and required credentials for Citrix services may vary with the service type and version.

NOTE

- A warning message "This Connection is Untrusted" might appear. Consult the IT administrator for details and ensure the connection is secure ***first***. To import a security certificate, please refer to section "4.2.14 Importing Certificates for Remote Computers" on page 64. To bypass, click **I Understand the Risks** > **Add Exception** > **Confirm Security Exception**.

The following are some examples of Citrix Logon screens.

XenDesktop 5.6 Platinum:

Citrix Logon Screen

Type the required user name, password, and then click **Log On** to access virtual desktops.

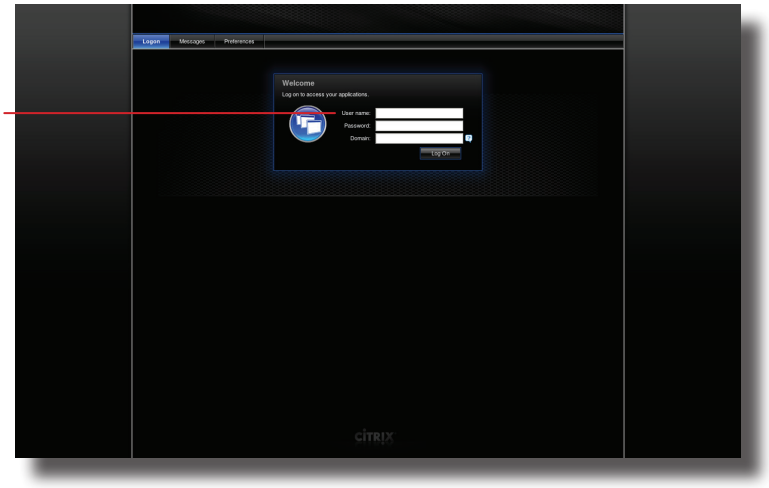
NOTE

- To return to Atrust Quick Connection screen, press **Esc**.

XenApp 6.0 Fundamentals:

Citrix Logon Screen

Type the required user name, password, domain, and then click **Log On** to access virtual applications.



NOTE

- To return to Atrust Quick Connection screen, press **Esc**.
- If your XenApp server doesn't belong to any domain, type the computer name of the server in the Domain field.

XenApp 6.5 Platinum:

Citrix Logon Screen

Type the required user name, password, domain, and then click **Log On** to access virtual applications.

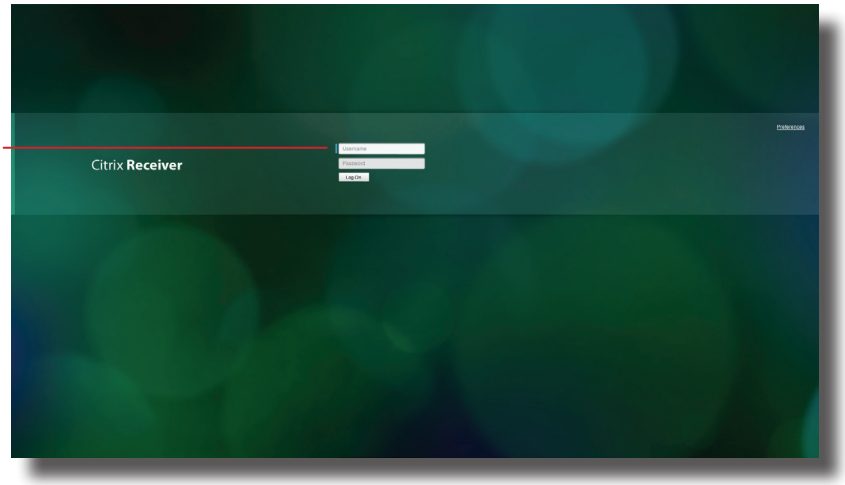
NOTE

- To return to Atrust Quick Connection screen, press **Esc**.
- If your XenApp server doesn't belong to any domain, type the computer name of the server in the Domain field.

VDI-in-a-Box:

Citrix Logon Screen

Type the required user name, password, and then click **Log On** to access virtual desktops.



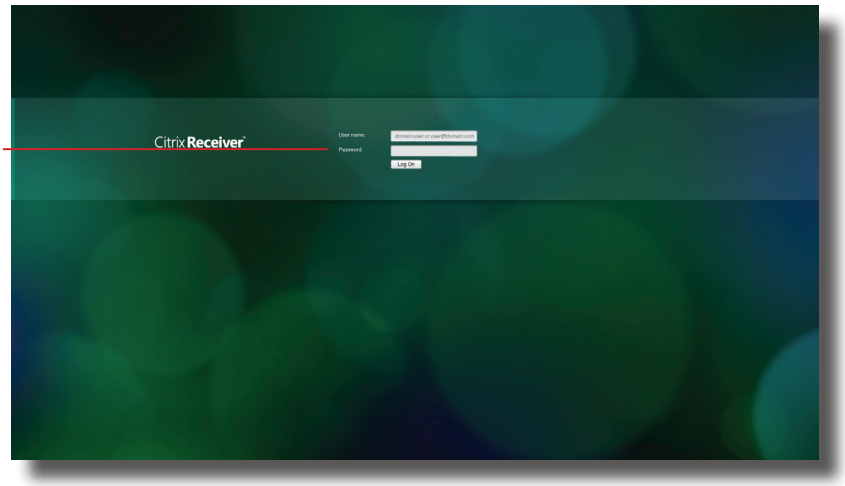
NOTE

- To return to Atrust Quick Connection screen, press **Esc**.

XenApp and XenDesktop 7.5 Platinum:

Citrix Logon Screen

Type the required user name, password, and then click **Log On** to access virtual desktops.



NOTE

- To return to Atrust Quick Connection screen, press **Esc**.

Accessing Virtual Desktops and Applications

You will enter the ***Desktop Selection*** or ***Application Selection screen*** after logon. On the screen you can click to select the desired desktop or application(s).

NOTE

- You might enter the virtual desktop directly if only one type of virtual desktop is assigned to the provided credentials.

TIP

- Use **Alt + Tab** to select and restore a hidden or minimized application or desktop.

The following are some examples of Selection screens and delivered desktops and applications.

XenDesktop 5.6 Platinum:

1. The ***Desktop Selection screen*** appears after logon.

Desktop Selection Screen

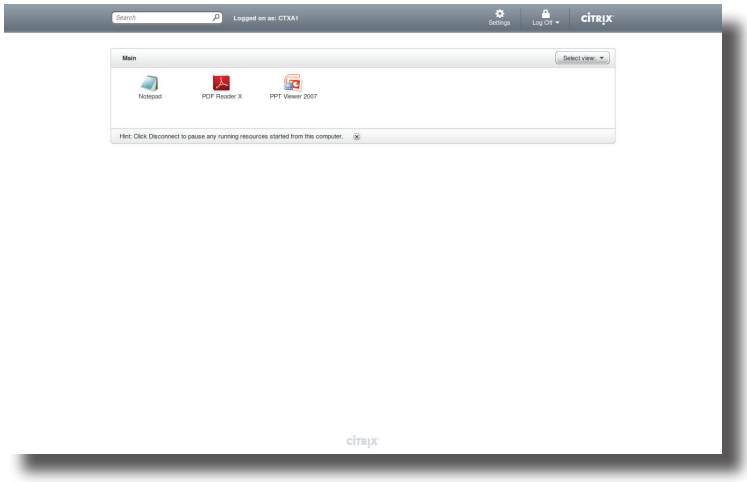
2. Click to select the desired desktop.
3. The selected virtual desktop will be displayed on the screen.

Virtual Desktop Example: Windows 7 Ultimate

XenApp 6.5 Platinum:

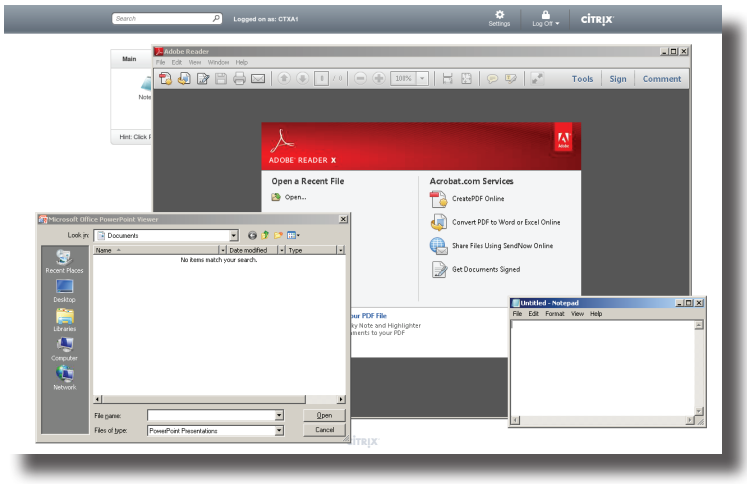
1. The ***Application Selection screen*** appears after logon.

Application Selection Screen



2. Click to select the desired application(s).
3. The selected application(s) will be displayed on the screen.

Virtual Application Examples
PowerPoint Viewer, Adobe Reader, and Notepad



NOTE

- Clicking on Application Selection screen will bring the screen to the front and leave all launched application windows hidden behind. Use **Alt + Tab** to select and restore a hidden or minimized application window.
- Exiting a virtual desktop or application will return to the ***Desktop Selection*** or ***Application Selection screen***. On the screen, you can:

  ✧ Click to launch another virtual desktop if any or to launch other applications.
  ✧ Click **Log Off** on the top of the screen to return to the ***Citrix Logon screen***.
  ✧ Press **Esc** to return to ***Atrust Quick Connection screen*** directly.

XenApp and XenDesktop 7.5 Platinum:

1. The ***Application Selection*** / ***Desktop Selection screen*** appears after logon.

Application Selection Screen

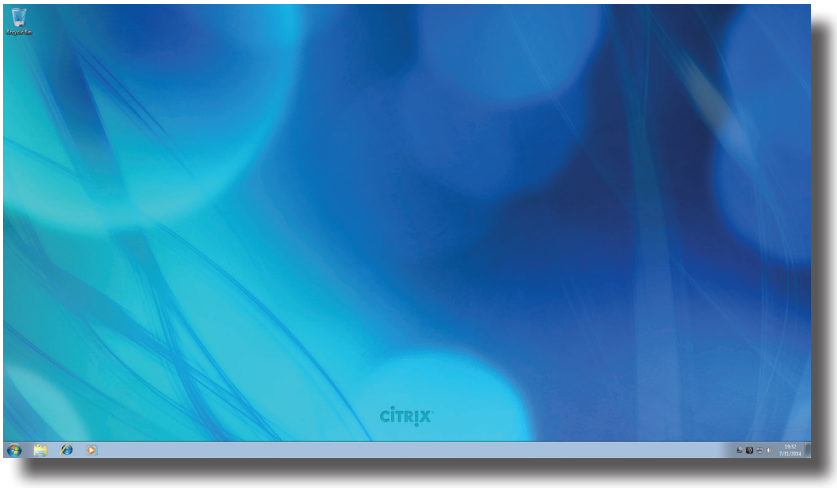
You might see this screen when you log in to XenApp 7.5 for first time. Just click to add your favorite apps from a list.

Two buttons may be available for your to switch between ***Application*** and ***Desktop Selection screen***, depending on your server-side deployment.

Desktop Selection Screen

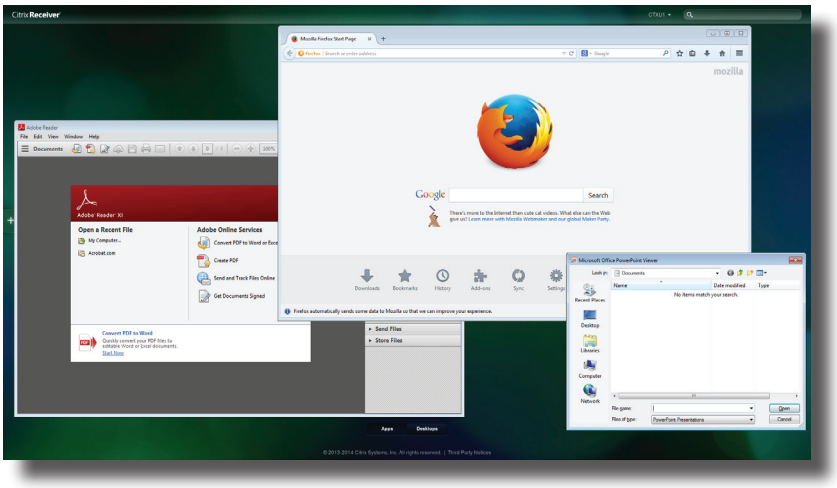
2. Click to select the desired application(s) or desktop.
3. The selected application(s) or desktop will be displayed on the screen.

Virtual Desktop Example: Windows Server 2008 R2



Virtual Application Examples

Adobe Reader, Mozilla Firefox, and PowerPoint Viewer



NOTE

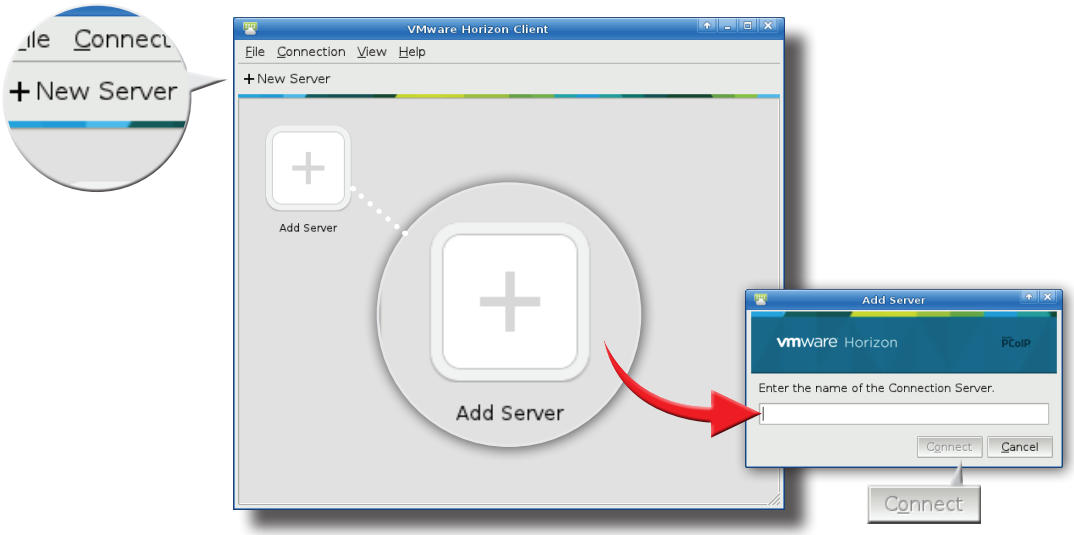
- Clicking on Application Selection screen will bring the screen to the front and leave all launched application windows hidden behind. Use **Alt + Tab** to select and restore a hidden or minimized application window.
- Exiting a virtual desktop or application will return to the ***Desktop Selection*** or ***Application Selection screen***. On the screen, you can:
  - ✧ Click to launch another virtual desktop if any or to launch other applications.
  - ✧ Click **Log Off** on the top of the screen to return to the ***Citrix Logon screen***.
  - ✧ Press **Esc** to return to ***Atrust Quick Connection screen*** directly.

Accessing VMware View or Horizon View Services

To access VMware View or Horizon View services, please do the following:

1. Click

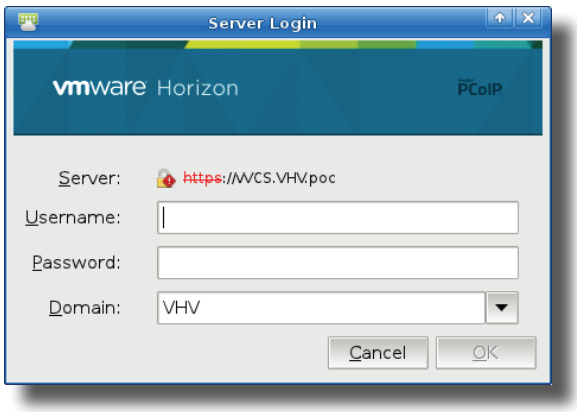
on Atrust Quick Connection screen (see the screen in Topic 4).
2. On the opened window, double-click **Add Server** icon or click **New Server** in the top-left corner. A window appears prompting for the name or IP address of the VMware View Connection Server.
3. Enter the required information, and then click **Connect**.



NOTE

- To return to ***Atrust Quick Connection screen*** (see the screen in Topic 4), close the opened window.

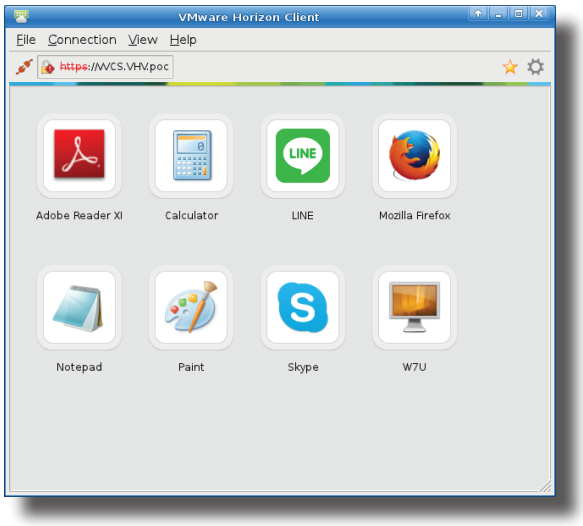
4. A Welcome window might appear, click **OK** to continue.
5. A window appears prompting for the credentials. Enter your user name, password, click the Domain drop-down menu to select the domain, and then click **OK**.



NOTE

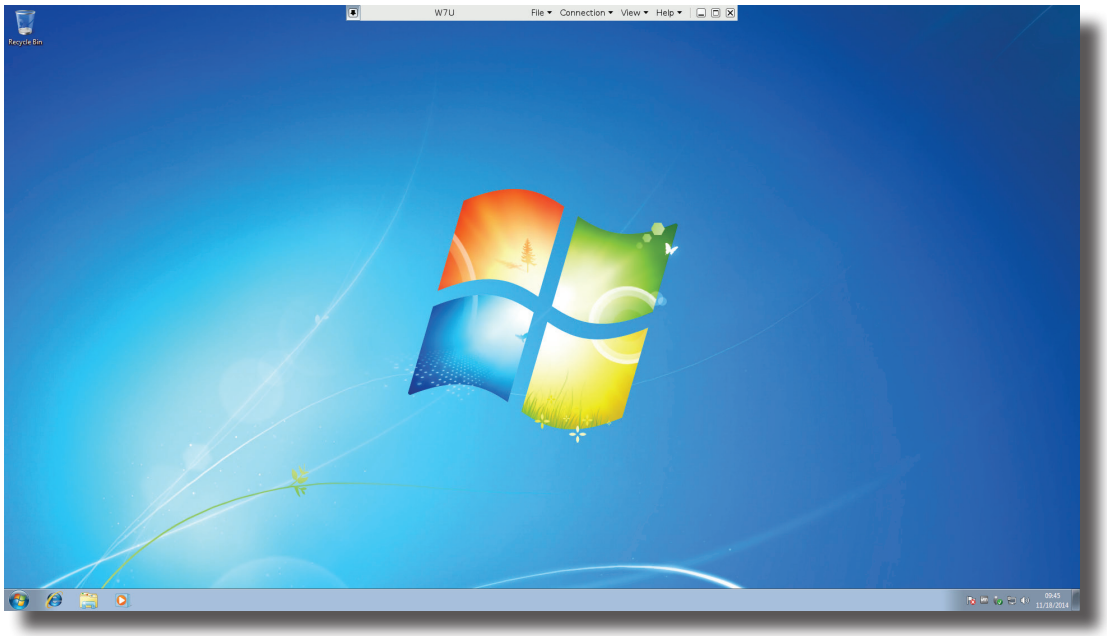
- A window might appear with a certificate message about the remote server. Consult the IT administrator for details and ensure the connection is secure ***first***. To import a security certificate, please refer to section "4.2.14 Importing Certificates for Remote Computers" on page 64. To bypass, click **Connect Insecurely**.

6. The Desktop and Application list appears with available desktops and/or applications for the provided credentials. Double click to select the desired desktop or application.



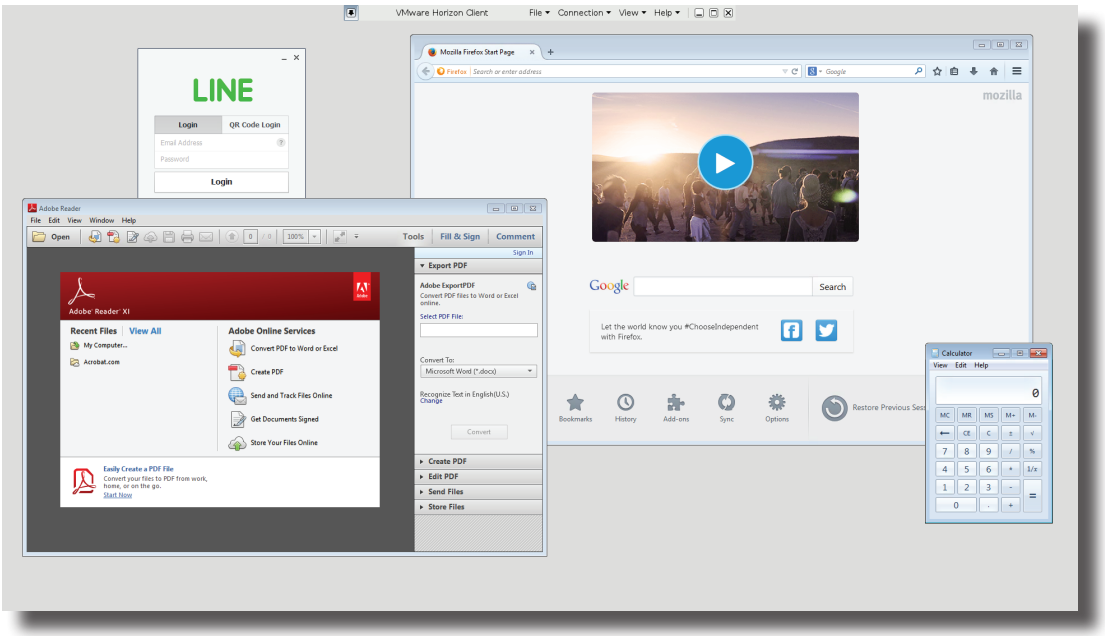
7. The virtual desktop or application will be displayed on the screen.

Virtual Desktop Example
Windows 7 Ultimate



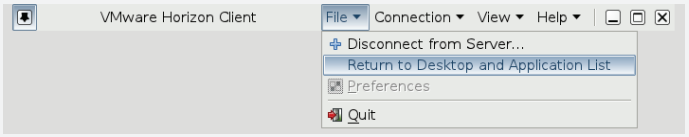
Virtual Application Examples (VMware Horizon 6 with View)

LINE, Adobe Reader, Mozilla Firefox, and Calculator

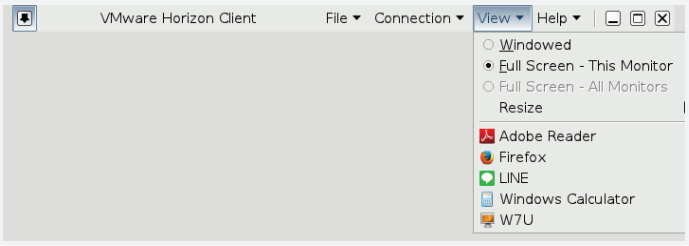


NOTE

- Your desktop or application will be displayed in full screen. You can:
  - ✧ Click **File** > **Return to Desktop and Application List** on the top tool bar to recall the Desktop and Application list.



  - ✧ Click **View** on the top tool bar to switch to a virtual desktop or application.



4

Configuring Client Settings

This chapter provides instructions on how to configure advanced settings and customize your t180L/t180LB with Atrust Client Setup.

4.1 Atrust Client Setup

Interface overview 39
Available settings at glance 40

4.2 Configuring System Settings

System tab overview 41
Available settings at a glance 42

4.3 Configuring User Interface Settings

User Interface tab overview 69
Available settings at a glance 70

4.4 Configuring External Device Settings

Devices tab overview 81
Available settings at a glance 82

4.5 Configuring Network Settings

Network tab overview 90
Available settings at a glance 91

4.6 Configuring Service Access Settings

Applications tab overview 114
Available settings at a glance 115

4.1 Atrust Client Setup

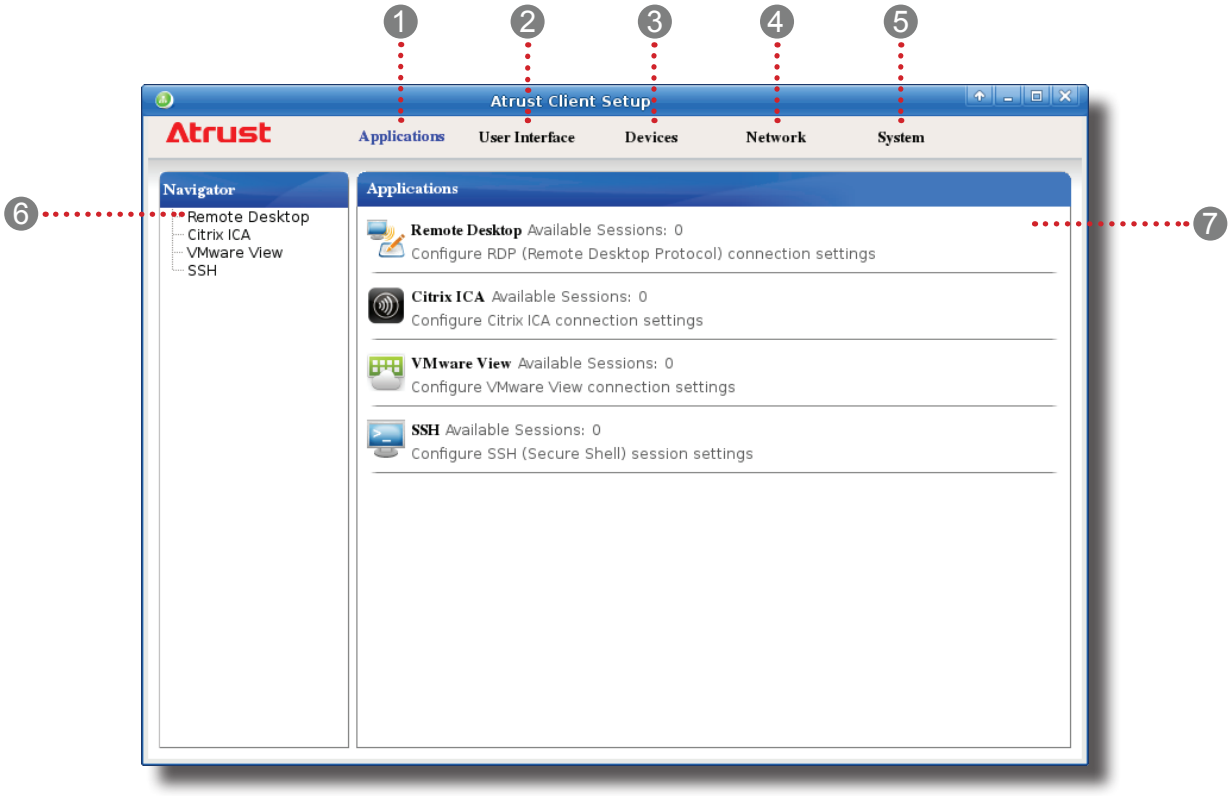
Your t180L/t180LB comes with Atrust Client Setup, the built-in local client management console to help you configure client settings and customize your t180L/t180LB.

4.1.1 Interface Overview

To access Atrust Client Setup on your t180L/t180LB, please do the following:

1. On Atrust Quick Connection screen, click the **Setup** icon to launch Atrust Client Setup.
2. The Atrust Client Setup window appears.

Interface Overview



Interface Elements		
No.	**Name**	**Description**
1	Applications tab	Click to configure settings for service access through the client.
2	User Interface tab	Click to configure settings for the user interface of the client.
3	Devices tab	Click to configure settings for external devices of the client.
4	Network tab	Click to configure settings for the connectivity of the client to networks and servers.
5	System tab	Click to configure settings for the operation and maintenance of the client.
6	Navigation area	Click to select a setting item under a selected tab or to select a setting entry under a selected setting item.
7	Configuration area	Configures setting values when a setting item or entry is selected.

4.1.2 Client Settings at a Glance

The following table provides a brief description of each setting item under five main setting categories.

Tab	Setting Item	Section	Page
System	• Configuring time zone and time server • Configuring passwords • Configuring remote assistance settings • Updating firmware • Enabling/Disabling the Appliance mode • Enabling Auto Setup • Configuring Quick Connection • Enabling/Disabling the execution of the text-based (command-line) functions • Collecting event logs, capturing related screens, and then uploading files for error reporting • Importing certificates for remote computers • Enabling/Disabling Auto Registration	4.2 Configuring System Settings	41
User Interface	• Configuring display settings • Customizing desktop and system language • Hiding/Showing Quick Access shortcuts • Using a custom wallpaper • Adjusting keyboard settings • Adjusting mouse settings • Configuring screensaver settings	4.3 Configuring User Interface Settings	69
Devices	• Configuring settings for USB storage devices • Configuring settings for audio devices • Configuring settings for local/network printers	4.4 Configuring External Device Settings	81
Network	• Configuring wired network settings • Enabling/Disabling Wake On LAN • Configuring VPN settings • Creating the mapping of IP addresses to the names of host servers • Creating the Failover Cluster list • Changing the host name of your client • Configuring wireless network settings • Configuring proxy settings for Web-based access to services	4.5 Configuring Network Settings	90
Applications	• Configuring Microsoft RDP connection settings • Configuring Citrix ICA connection settings • Configuring VMware View connection settings • Configuring SSH connection settings	4.6 Configuring Service Access Settings	114

4.2 Configuring System Settings

4.2.1 System Tab Overview

System tab enables you to configure settings for the operation and maintenance of clients. To access available settings of **System** tab, click the tab on Atrust Client Setup.

System Tab Overview

Interface Elements		
No.	**Name**	**Description**
1	Navigation area	Click to select a setting item under **System** tab.
2	Configuration area	Configures setting values when a setting item or entry is selected.

4.2.2 Available Settings at a Glance

Tab	Setting	Icon	Description	Section	Page
System	Time Zone		Click to configure the time zone and time server for your t180L/t180LB.	4.2.3	43
	Password		Click to configure the access privileges of Atrust Client Setup for t180L/t180LB users. Click to configure settings for remote assistance.	4.2.4 4.2.5	44 46
	Firmware Update		Click to update firmware through the network. This feature is applicable to the client only when the client is managed by the remote Atrust Device Manager console.	4.2.6	48
	Appliance Mode		Click to enable/disable the Appliance mode to allow/disallow the automatic RDP / ICA / View sessions. In Appliance mode, the client starts up directly with the desired RDP / ICA / View session and performs the configured action after exiting the session.	4.2.7	50
	Auto Setup		Click to enable Auto Setup to allow the client to get its preset configuration on startup and enter the desired user environment automatically.	4.2.8	54
	Quick Connection		Click to configure the Quick Connection mode.	4.2.9 4.2.10	54 56
	Terminal		Click to enable/disable the execution of the text-based (command-line) functions.	4.2.11	60
	Error Report		Click to collect error log and launch the screen capturing program for error reporting. Click to upload files to a specified FTP server for error reporting.	4.2.12 4.2.13	61 63
	Certificate Manager		Click to import or manage certificates for remote computers.	4.2.14	64
	Advanced		Click to configure advanced settings such as Auto Registration.	4.2.15	68

NOTE

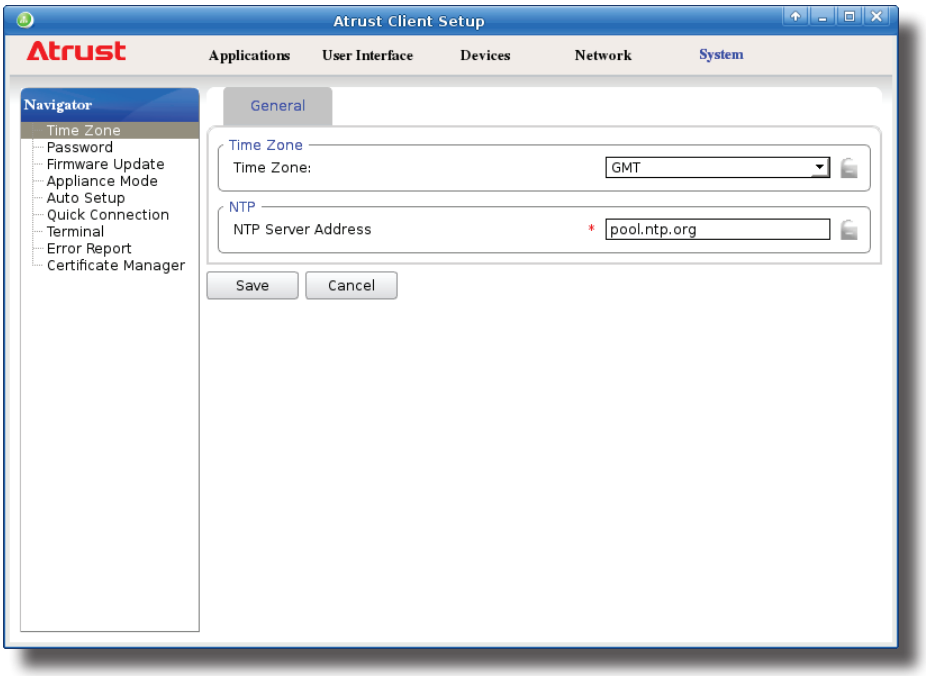
- Atrust Device Manager is a remote and mass client management console, helping you remotely manage a large number of endpoint devices in a desktop virtualization infrastructure. For more information about Atrust Device Manager, please refer to the User's Manual for Atrust Device Manager.

4.2.3 Configuring Time Zone and Time Server

The Time Zone setting allows you to configure the desired time zone and time server to get the accurate system time for your t180L/t180LB.

To set the desired time zone and time server, please do the following:

1. On Atrust Client Setup, click **System** > **Time Zone**.



2. Under the Time Zone section, click the drop-down menu to select the desired time zone.
3. Under the NTP (Network Time Protocol) section, use the default or type in the desired time server.

> **NOTE**
>
> - The IP address of the default time server is **pool.ntp.org**. For more information on the default, please refer to the website for the NTP Pool Project at www.pool.ntp.org.
> - Ensure the connectivity of your t180L/t180LB to the network or Internet in order to get accurate time from the time server.

4. Click **Save** to apply.

4.2.4 Configuring the Access Privileges and Passwords of Atrust Client Setup

You can configure the access privileges of Atrust Client Setup for t180L/t180LB users by the Password setting.

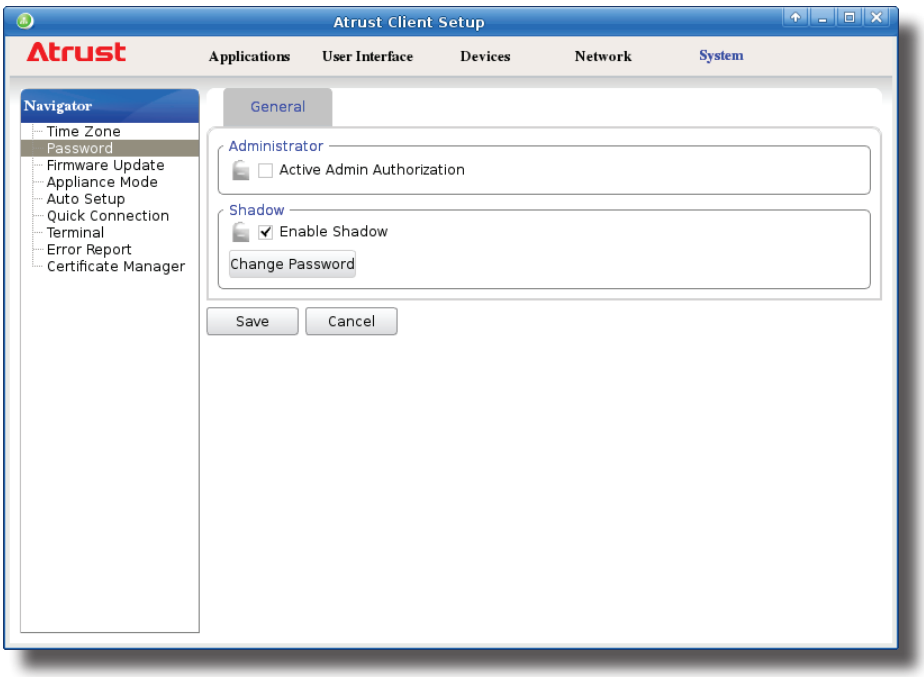
NOTE

- All t180L/t180LB users are allowed to access Atrust Client Setup by factory default. You can make changes as desired using this setting.

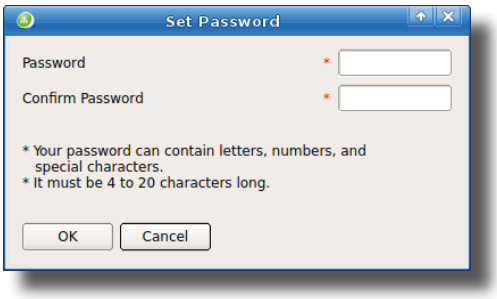
Setting Access Privileges and Password Only for Administrators

To set access privileges and password only for administrators, please do the following:

1. On Atrust Client Setup, click **System** > **Password**.



2. Under the Administrator section, click to check **Active Admin Authorization**.
3. The access privileges for administrators are granted and a window appears for you to set the password.

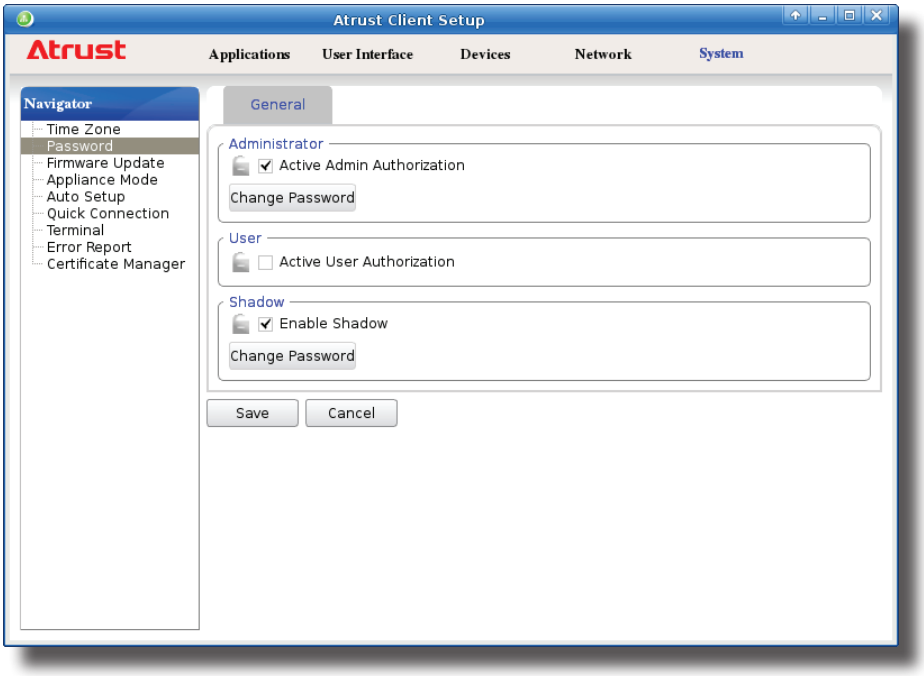


4. Type in the desired password, and then click **OK** to confirm.
5. Click **Save** to save all the changes.

Setting Access Privileges and Password Also for Standard Users

To set access privileges and password also for standard users, please do the following:

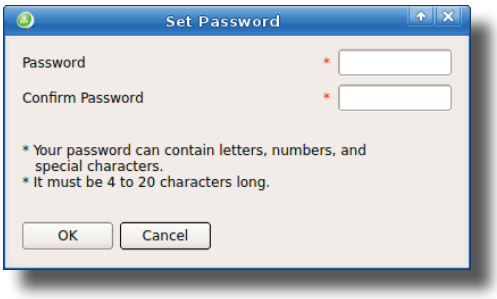
1. On Atrust Client Setup, click **System** > **Password**.
2. Under the User section, click to check **Active User Authorization**.



NOTE

- The User section appears only when **Active Admin Authorization** is checked.

3. The access privileges for standard users are granted and a window appears for you to set the password.



4. Type in the desired password, and then click **OK** to confirm.
5. Click **Save** to save all the changes.

4.2.5 Configuring Shadow Settings for Remote Assistance

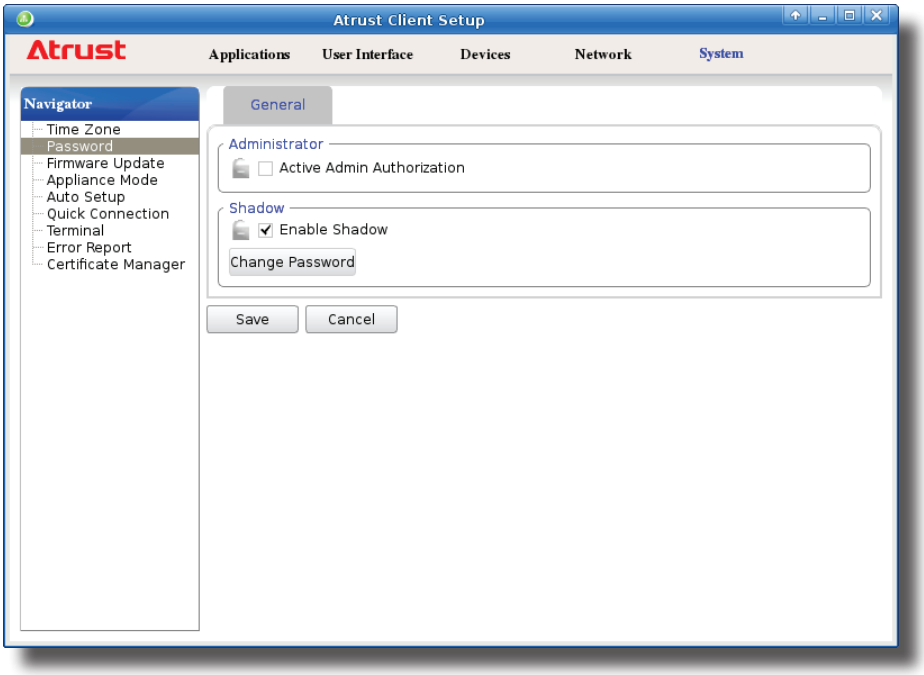
The Shadow feature allows an administrator to remotely assist client users in resolving problems or configuring local settings. When this feature is enabled, an administrator can monitor and control a client from a remote computer just like a local user.

NOTE

- To use the Shadow feature on a remote computer, you need to install the Atrust Device Manager console on that computer, and add your t180L/t180LB into a managed group under Atrust Device Manager. For details, please refer to the User's Manual for Atrust Device Manager.

To enable the Shadow feature and set the password for remote assistance, please do the following:

1. On Atrust Client Setup, click **System** > **Password**.

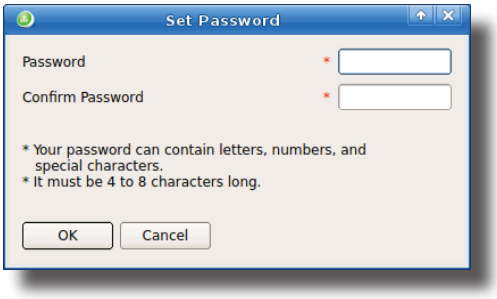


2. Under the Shadow section, click to check **Enable Shadow** if it's not checked.

NOTE

- By default, the Shadow feature is enabled. Click **Change Password**, and then follow the next step to set your password.

3. The Shadow feature is enabled and a window appears for you to set the password for remote assistance.



NOTE

- On a remote computer, an administrator will need this password to use the Shadow feature (remote assistance) with the Atrust Device Manager console. For more information, please refer to the User's Manual of Atrust Device Manager.

4. Type in the desired password, and then click **OK** to confirm.
5. Click **Save** to save all the changes.

NOTE

- When the Shadow feature is performed from a remote Atrust Device Manager, on the target client, an icon appears on the Taskbar of the local Linux desktop and a notification pops up in the bottom-right corner. If you are under the Quick Connection mode (the default for t180L/t180LB thin clients), a notification would pop up in the upper-left corner on Atrust Quick Connection screen.

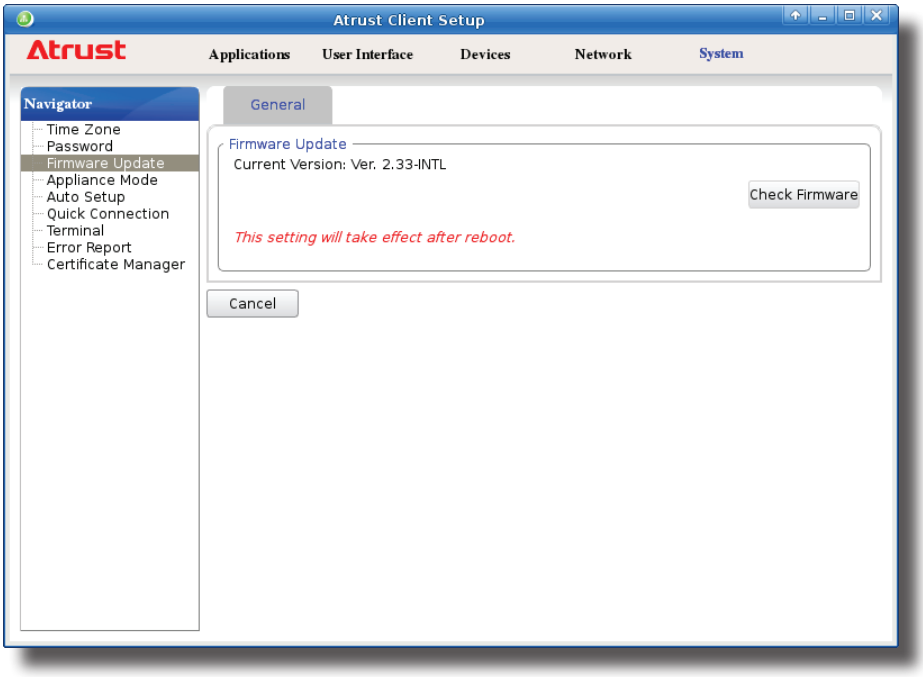
4.2.6 Updating Firmware from the Management Computer

Update Firmware allows client users to update firmware from its management computer.

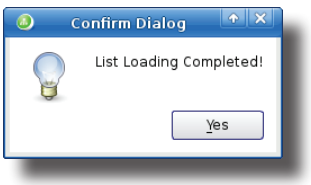
> **NOTE**
>
> - Ensure that your t180L/t180LB has been added into a managed group under Atrust Device Manager installed on a remote computer, and that you have imported client firmware files into Atrust Device Manager. These are prerequisites of this feature.
> - For more information on firmware update and Atrust Device Manager, please refer to the User Manual for Atrust Device Manager.

To update firmware from the management computer, please do the following:

1. On Atrust Client Setup, click **System** > **Firmware Update**.

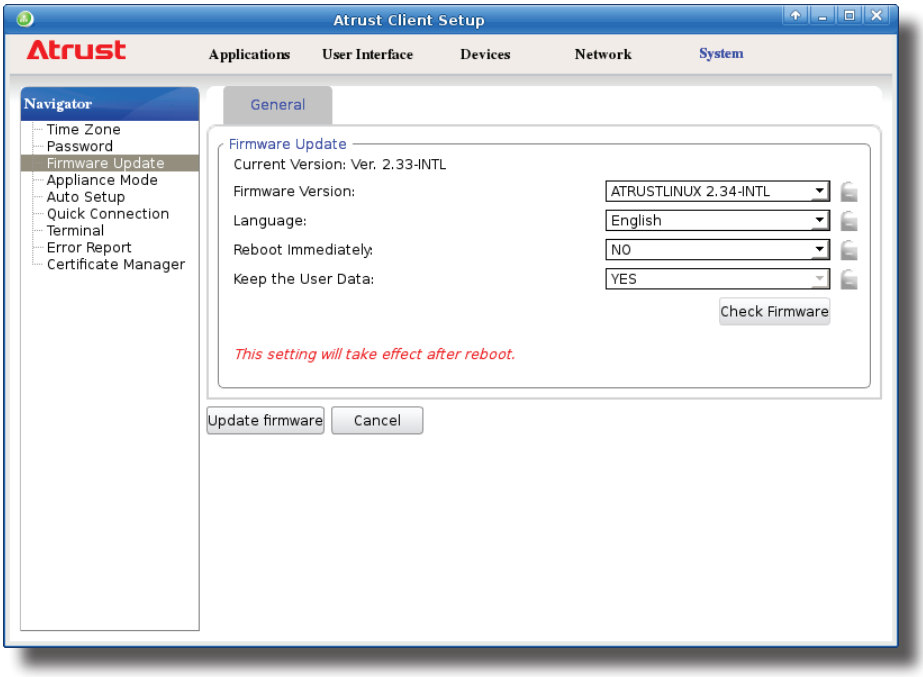


2. Under the Firmware Update section, click **Check Firmware**.
3. Upon completion, a window appears notifying you that the Firmware list has been loaded.



4. Click **Yes** to continue.

5. Click the drop-down menus to select the desired firmware version and other update options.



Firmware Update Options	
Item	**Description**
Firmware Version	Click to select the desired firmware version.
Language	Click to select the interface language of the system, including the Atrust Client Setup console. **NOTE:** Available languages may vary with the selected firmware version.
Reboot Immediately	Click to choose whether to restart the system immediately for firmware update or manually restart the system later.
Keep the User Data	Click to choose if to keep the setting values under Atrust Client Setup. **NOTE:** If **Yes** is selected, all setting values under Atrust Client Setup will remain unchanged after firmware update. If **No** is selected, all setting values will be restored to the factory default. This option may not be available on your system. **NOTE:** If the client is managed by Atrust Device Manager and here **No** is selected, Atrust Device Manager will fail to manage the client after firmware update. For more information on Atrust Device Manager, please refer to the User's Manual for Atrust Device Manager.

6. Click **Update firmware** to confirm your selections. The system will start updating its firmware after restart.

4.2.7 Enabling or Disabling the Appliance Mode

The Appliance mode allows your t180L/t180LB to start up directly with the desired Microsoft Remote Desktop, Citrix ICA, VMware View or Horizon View session. Under this mode, users will feel as if they were using a standalone desktop computer; the underlying client operating system, Atrust Linux, is hidden from the very beginning.

NOTE

- There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

No.	Mode	Description
1	Appliance	The client will start up directly with the desired RDP / ICA / View session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired RDP / ICA / View session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

- For more information on these modes, please refer to sections:
  - ✧ 4.2.9 on page 54 and 3.1 on page 19 (Quick Connection mode)
  - ✧ 4.2.7 on page 50 (Appliance mode)
  - ✧ 4.6.5 on page 131 (Autostart mode for RDP sessions)
  - ✧ 4.6.11 on page 169 (Autostart mode for ICA sessions)
  - ✧ 4.6.14 on page 202 (Autostart mode for View sessions)

Enabling the Appliance Mode

To enable the Appliance mode, please do the following:

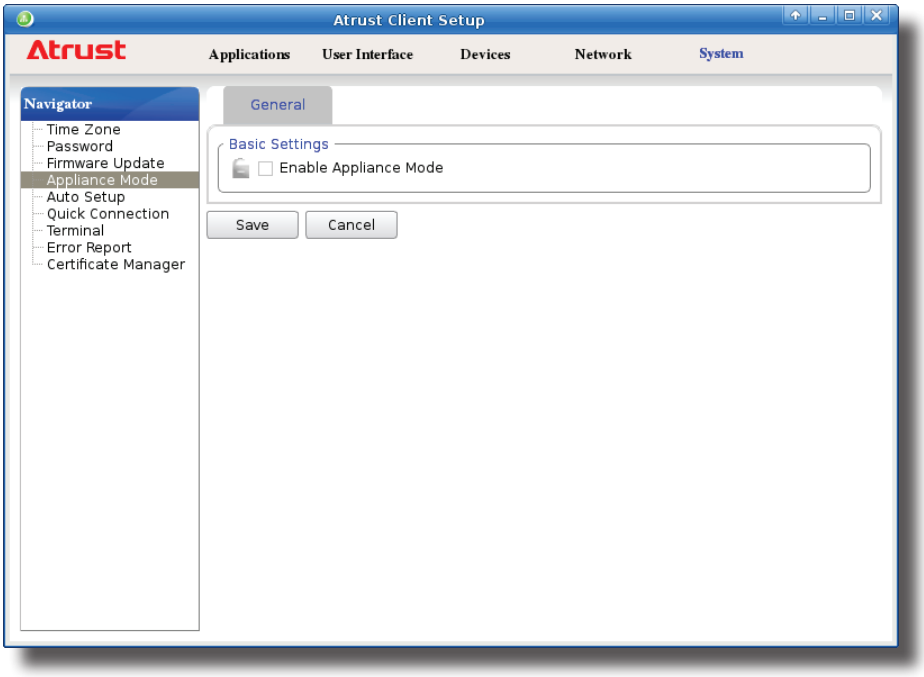
NOTE

- Ensure that you have configured the connection settings for the desired Microsoft Remote Desktop, Citrix ICA, VMware View or Horizon View session under **Applications** tab. You need to specify which service type and connection settings entry will be used under the Appliance mode. For detailed instructions, please see sections:
  - ✧ "4.6.3 Configuring Basic RDP Connection Settings" on page 116
  - ✧ "4.6.6 Configuring Basic ICA Connection Settings" on page 146
  - ✧ "4.6.12 Configuring Basic VMware View Connection Settings" on page 198

NOTE

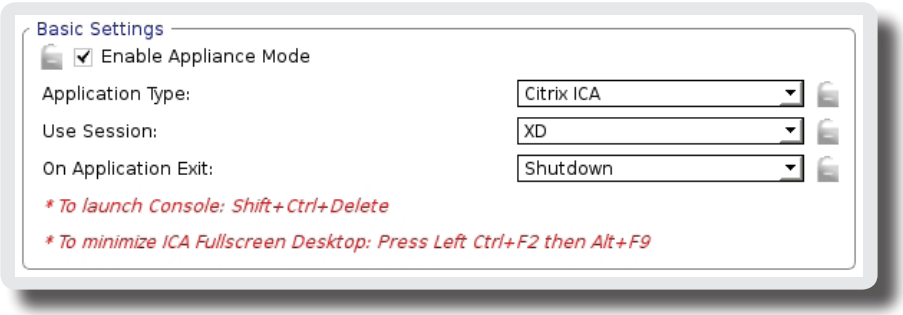
- Please note that the Autostart mode also enables the client to start up directly with an RDP / ICA / View session and provides more configuration flexibility than the Appliance mode. For detailed information on the Autostart mode, please refer to the following sections:
  - ✧ "4.6.5 Configuring Advanced RDP Connection Settings" on page 131
  - ✧ "4.6.11 Configuring Advanced ICA Connection Settings" on page 169
  - ✧ "4.6.14 Configuring Advanced View Connection Settings" on page 202

1. On Atrust Client Setup, click **System** > **Appliance Mode**.

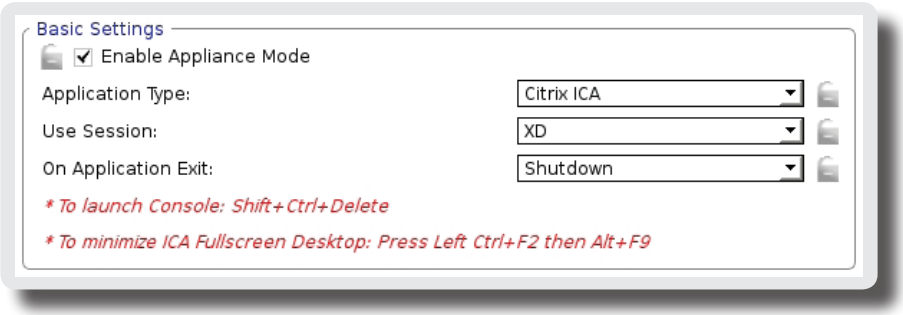


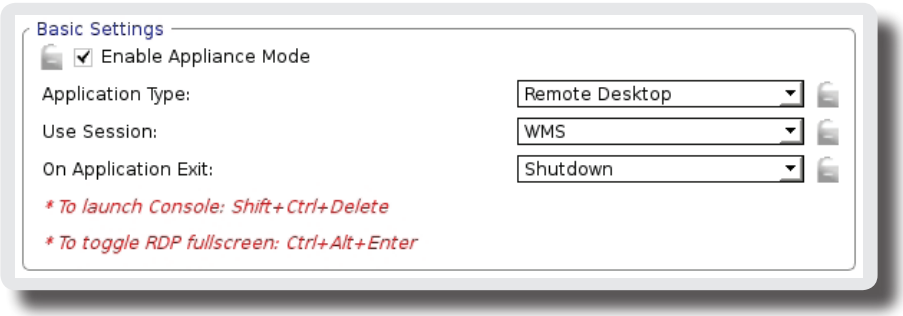
2. Click to check **Enable Appliance Mode**.

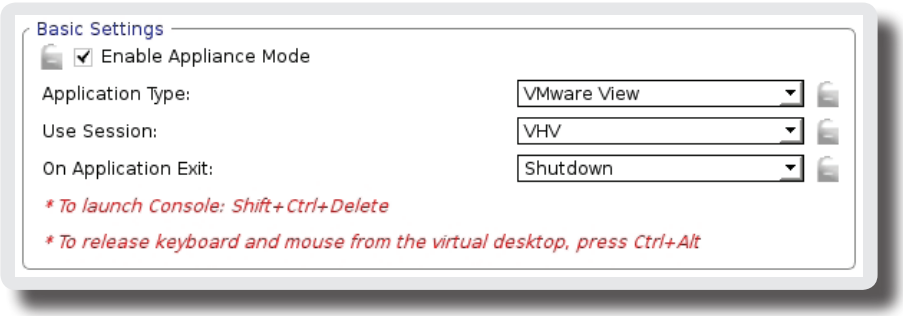
3. Other settings of the Appliance mode appear.



4. Click drop-down menus to select the application (or service) type: **Citrix ICA**, **Remote Desktop**, or **VMware View**, the specific service available in that type, and the desired action after exiting a session.







NOTE

- No matter which Resolution option you choose for the selected RDP / ICA / View service, RDP / ICA / View sessions under the Appliance mode will always use the Full Screen mode to display the remote/virtual desktop.

5. Click **Save** to confirm your selections.

6. The system will enter the Appliance mode after restart.

> **NOTE**
>
> - To disable the Appliance mode or to access Atrust Client Setup under the Appliance mode, please refer to "Disabling the Appliance Mode" on page 53.

Disabling the Appliance Mode

To disable the Appliance mode, please do the following:

1. Under the Appliance mode, exit the Full Screen mode of the RDP / ICA session, or release the keyboard and mouse from the View session (virtual desktop):

   - To exit the Full Screen mode of the RDP session, press **Ctrl + Alt + Enter**, and then minimize the session window.
   - To exit the Full Screen mode of the ICA session, press **Ctrl + F2**, and then **Alt + F9**.
   - To release the keyboard and mouse from the View session (virtual desktop), press **Ctrl + Alt**.

> **NOTE**
>
> - Please note that the View session (virtual desktop) will remain on the background after you release the keyboard and mouse from the View session (virtual desktop).

2. Click **Ctrl + Shift + Del** to launch Atrust Client Setup.

> **NOTE**
>
> - You cannot access the Taskbar of the client operating system (Atrust Linux) under the Appliance mode.

3. On Atrust Client Setup, click **System** > **Appliance Mode**.
4. Click to uncheck **Enable Appliance Mode**, and then click **Save** to apply the change.
5. Return to the current RDP / ICA / View session:

   - To return to the current RDP / ICA session, use **Alt + Tab** (press and hold **Alt**, and then press **Tab** to switch between different items) to select and restore the current RDP / ICA session.
   - To return to the current View session, click any place of the View session (virtual desktop) on the background.

6. Log off from the current RDP / ICA / View session.
7. The client will shut down then. Restart your client manually.

4.2.8 Enabling or Disabling Auto Setup

Auto Setup allows your thin client to get its preset configuration on startup and enter the desired user environment automatically. Its operation requires Auto Setup environment and network connectivity, except for Auto Setup on the client side. For details, please refer to User's Guide for Auto Setup.

NOTE

- To disable Auto Setup after your thin client got its preset configuration, reset your client. Please refer to "A.1 Resetting Your t180L/t180LB to the Factory Default" on page 213.

4.2.9 Configuring the Quick Connection Mode

The Quick Connection mode enables you to enter the Atrust Quick Connection screen after system startup. This setting is enabled by default.

NOTE

- For detailed instructions on how to use your t180L/t180LB under the Quick Connection mode, please refer to section "3.1 Learning the Basics" on page 19.
- There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

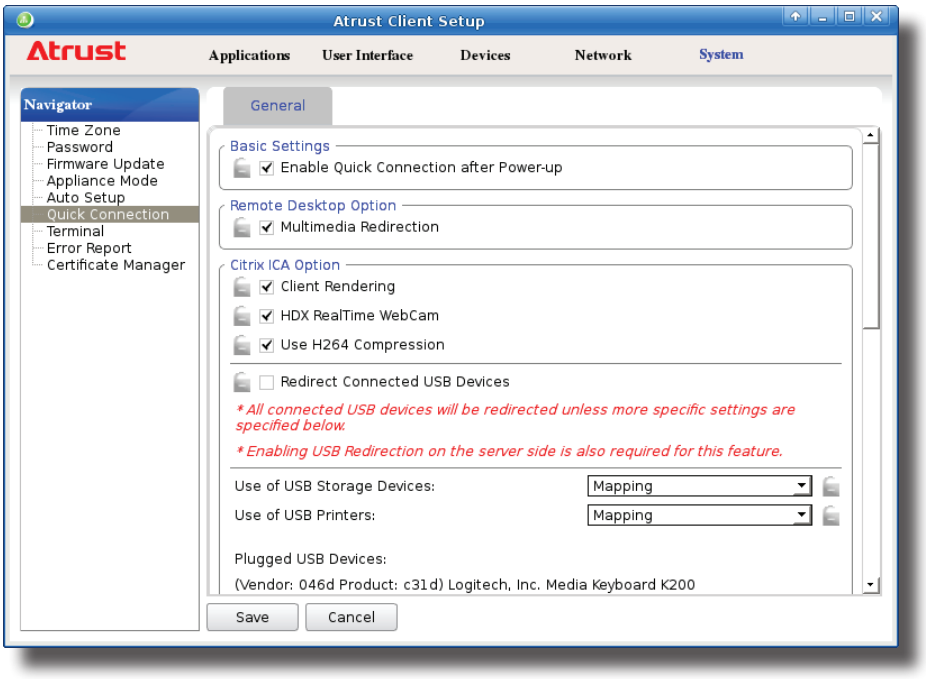
No.	Mode	Description
1	Appliance	The client will start up directly with the desired RDP / ICA / View session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired RDP / ICA / View session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

NOTE

- To use the Quick Connection mode, ensure that both the Appliance and Autostart modes are disabled. By default, your t180L/t180LB is in the Quick Connection mode, and both the Appliance and Autostart modes are disabled. However, if either of two modes are enabled, the Quick Connection mode will fail to work.
- For more information on the Appliance mode, please refer to section "4.2.7 Enabling or Disabling the Appliance Mode" on page 50.
- For more information on the Autostart mode, please refer to the following sections:
  - "4.6.5 Configuring Advanced RDP Connection Settings" on page 131
  - "4.6.11 Configuring Advanced ICA Connection Settings" on page 169
  - "4.6.14 Configuring Advanced View Connection Settings" on page 202

To enable/disable the Quick Connection mode, please do the following:

1. On Atrust Client Setup, click **System** > **Quick Connection**.



2. Click to check/uncheck **Enable Quick Connection after Power-up** to enable/disable the Quick Connection mode, and then click **Save** to apply the change.

NOTE

- For advanced Quick Connection settings, please refer to the next section (4.2.10).

3. Switch shortcuts are also added to or removed from the START menu and local Linux desktop as shown below.

4.2.10 Configuring Advanced Quick Connection Settings

You are allowed to configure advanced Quick Connection settings for Remote Desktop, Citrix ICA, and VMware View sessions through **System** > **Quick Connections** on Atrust Client Setup.

Advanced Quick Connection Settings for Remote Desktop Sessions

To configure advanced Quick Connection settings for Remote Desktop sessions, please refer to the table below:

Remote Desktop Option	
Item	**Description**
Multimedia Redirection	Check/Uncheck to enable/disable multimedia redirection. When enabled, the client receives original compressed multimedia streams and decodes locally for display. This feature increases the load on the client, but saves server resources, decreases the bandwidth usage, and improves audio and video playback experiences. It's enabled by default.

Advanced Quick Connection Settings for Citrix ICA Sessions

To configure advanced Quick Connection settings for Citrix ICA sessions, please refer to the tables below:

Citrix ICA Option	
Item	**Description**
Client Rendering	Check/Uncheck to enable/disable client rendering. When **Client Rendering** is disabled, **Server Rendering** is used.
HDX RealTime WebCam	This item is available only when **Client Rendering** is selected. When **Yes** is selected, a locally attached webcam can be used in an ICA session.
Use H264 Compression	Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.

Citrix ICA Option	
Item	**Description**
Redirect Connected USB Devices	Check to enable redirection for connected USB devices in Quick Connection mode. All connected USB devices will be redirected unless more specific settings are specified below.

Citrix ICA Option	
Item	**Description**
Use of USB Storage Devices	Click to select how to use USB storage devices in ICA sessions. Three options are available: **Mapping**, **Redirection**, and **Disabled**.
Use of USB Printers	Click to select how to use USB printers in ICA sessions. Three options are available: **Mapping**, **Redirection**, and **Disabled**.

Citrix ICA Option	
Item	**Description**
Redirection Rules	Create redirection rules on 2 to manage specific USB devices with information on 1.

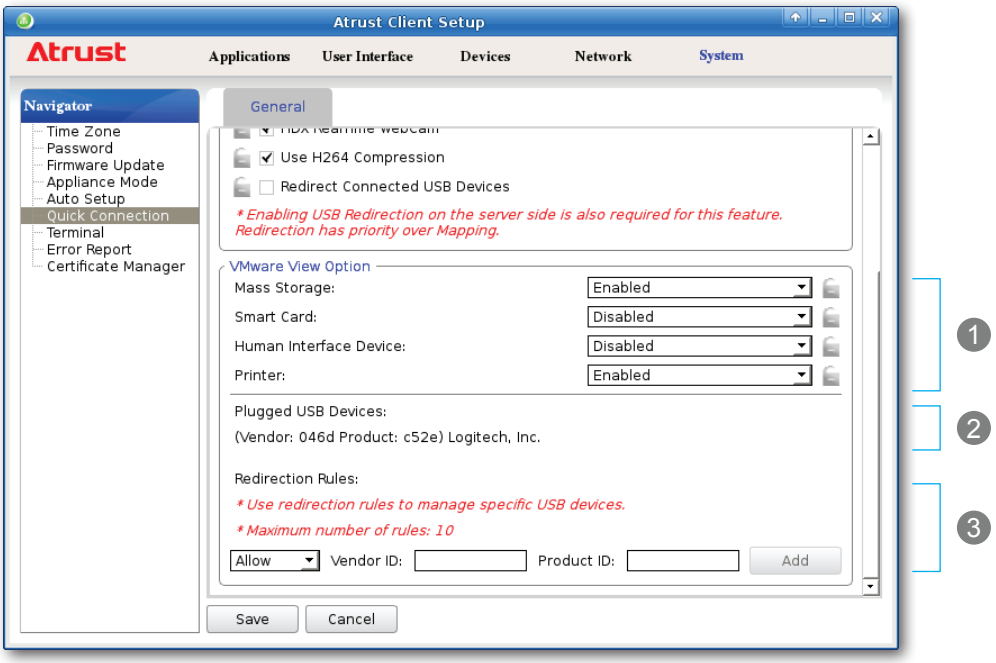
NOTE

- All attached USB devices will be listed under ***Plugged USB Devices*** (1) with vender and product information needed for creating rules.

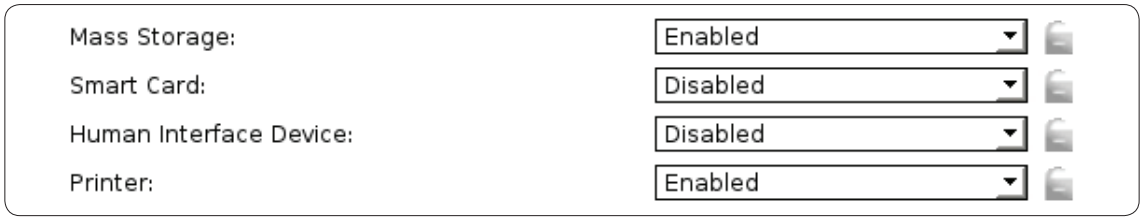
Advanced Quick Connection Settings for VMware View Sessions

To configure advanced Quick Connection settings for VMware View sessions, please do the following:

1. On Atrust Client Setup, click **System** > **Quick Connection**.



2. Click drop-down menus to configure ***Generic Settings*** (1) for mass storage devices, smart cards, human interface devices, and printers. Two options are available: **Enabled** or **Disabled**.



3. Use ***Redirection Rules*** (3) to manage specific USB devices:

- Refer to (2) to fill in the Vender and Product IDs for a specific device, click the drop-down menu to select **Allow** or **Deny**.
- Click **Add** on the right to add a rule on (3).

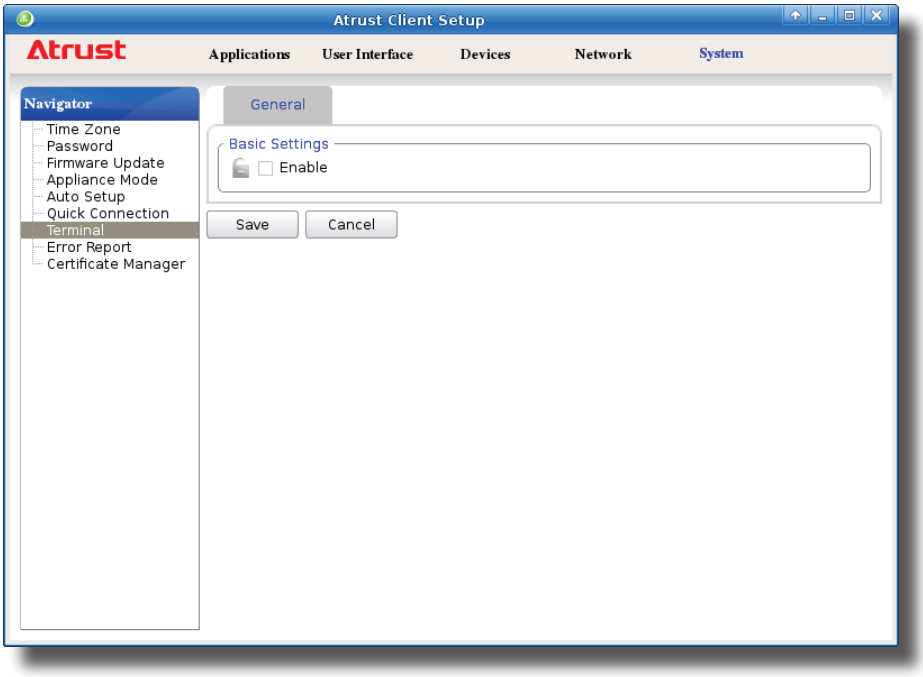
> **NOTE**
>
> - All attached USB devices will be listed under ***Plugged USB Devices*** (2) with vender and product information needed for creating rules.
> - ***Redirection Rules*** (3) have priority over ***Generic Settings*** (1).

4. Click **Save** to apply.

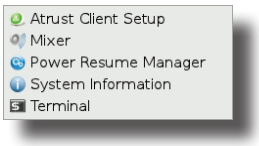
4.2.11 Enabling or Disabling the Command-line Functions

To enable/disable the execution of the text-based (command-line) functions, please do the following:

1. On Atrust Client Setup, click **System** > **Terminal**.



2. Click to check/uncheck **Enable** to allow/disallow the execution of the command-line functions.
3. Click **Save** to confirm your change.
4. The shortcut appears/disappears on the Start menu for access.



NOTE

- On the local Linux desktop, click **START** > **Settings** > **Terminal** to open the Terminal window.

4.2.12 Collecting Event Logs and Capturing Related Screens

The **Error Report** feature allows you to collect event logs and capture related screens for error reporting.

Collecting Event Logs

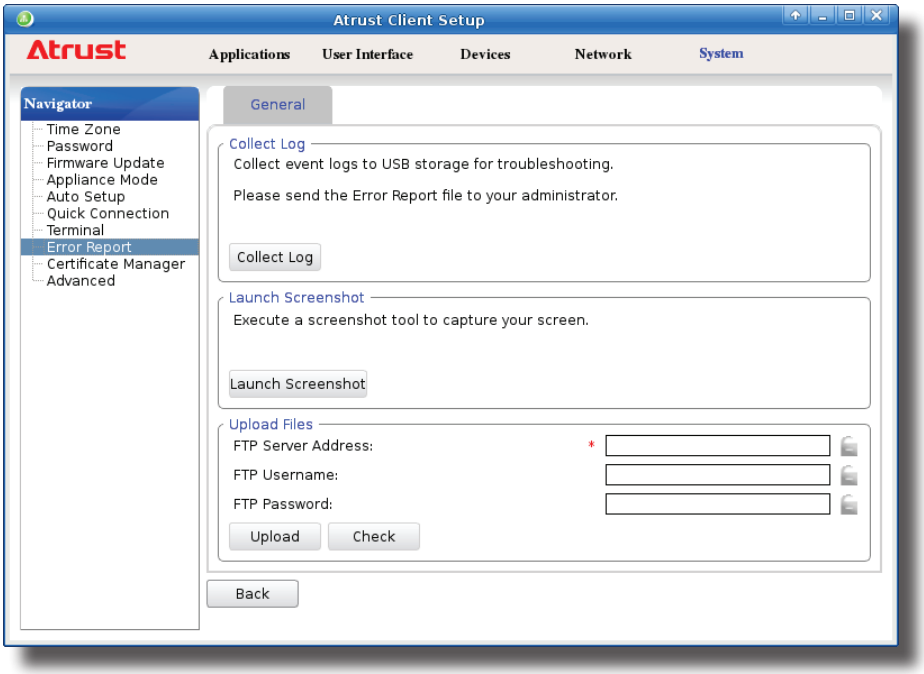
To collect event logs of your t180L/t180LB, please do the following:

1. Plug a USB flash drive into your t180L/t180LB.

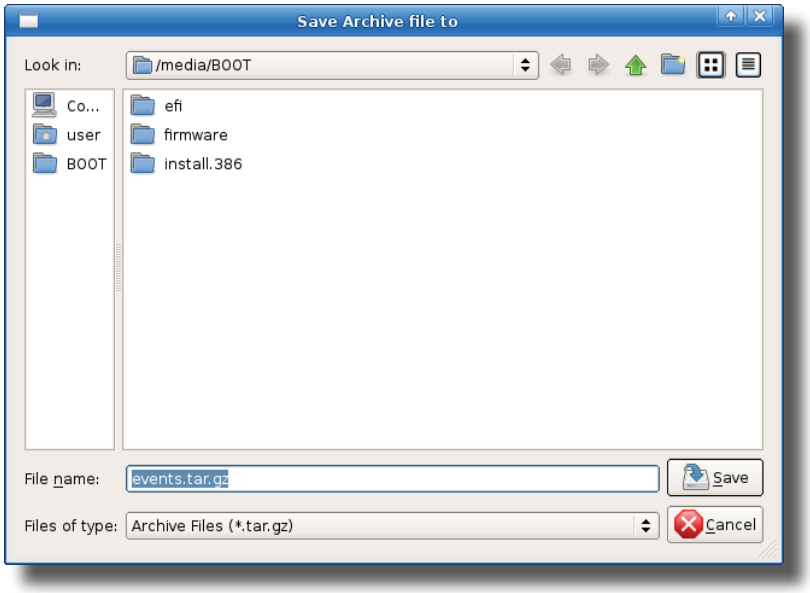
> **NOTE**
>
> - This USB flash drive will be used for storing the event logs of your t180L/t180LB.
> - Ensure that you have enabled the access and automount of USB storage devices. For detailed instructions, please refer to section "4.4.3 Configuring Settings for USB Storage Devices" on page 82.

> **NOTE**
>
> - Please note that files saved on the local desktop will be deleted after restart.

2. On **Atrust Client Setup**, click **System** > **Error Report**.



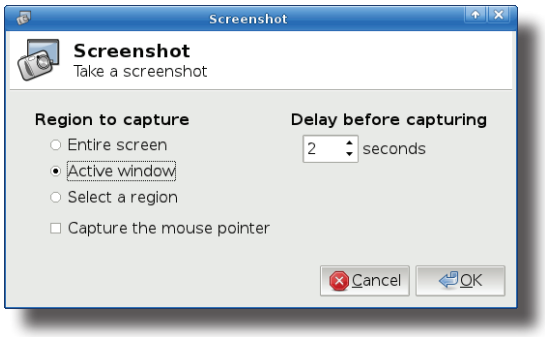
3. Click **Collect Log**. A window appears prompting you to choose where to save the log file set (named **events.tar.gz**). The attached USB flash drive is the default location if attached. Click **Save** to apply.



Capturing Error-Related Screens

To capture error-related screens of your t180L/t180LB, please do the following:

1. On Atrust Client Setup, click **System** > **Error Report**.
2. Click **Launch Snapshot** to open the screen capturing program.



3. Configure screen capturing settings directly on the opened window if needed, and then click **OK** to capture the desired screen.

TIP

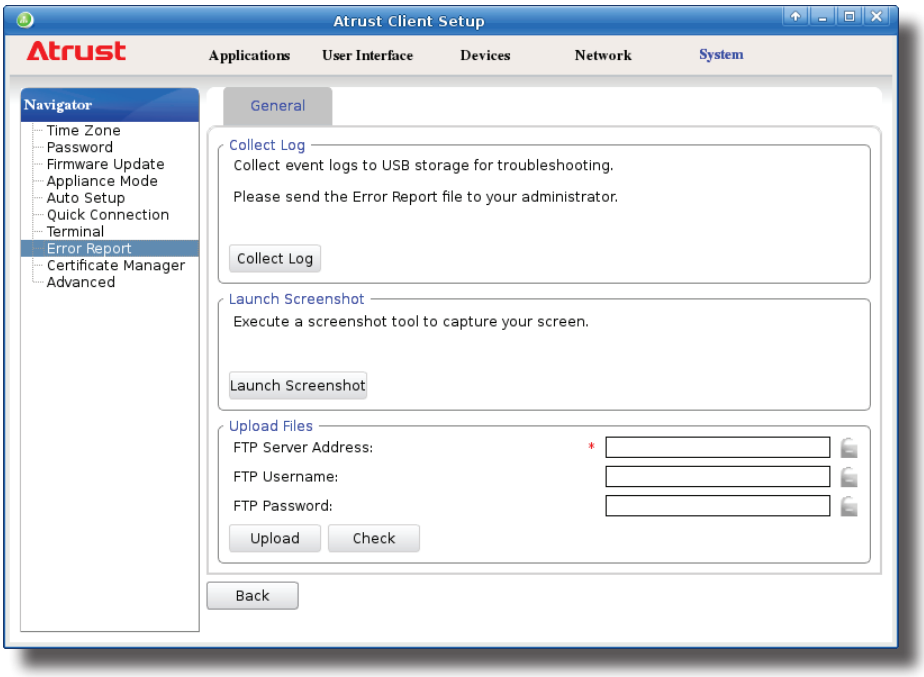
- It's recommended to set the delay time before capturing to at least 2 seconds to reserve time for switching to the desired screen or window.
- It's recommended to save the captured screens in the same USB flash drive where the event logs were saved.
- Please note that files saved on the local desktop will be deleted after restart.

4.2.13 Uploading Files for Error Reporting

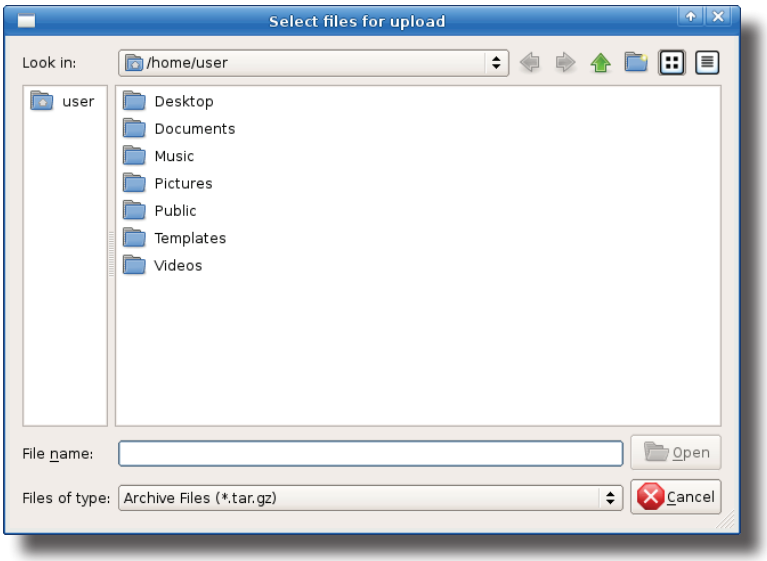
You can upload files to a specified FTP server for error reporting.

To upload files to an FTP server, please do the following:

1. On Atrust Client Setup, click **System** > **Error Report**.



2. Under the Upload Files section, type the IP address of the FTP server and credentials, click **Upload** to select and upload files to that FTP server.



TIP

- You can check the validity of the IP address and credentials first through the **Check** button.

4.2.14 Importing Certificates for Remote Computers

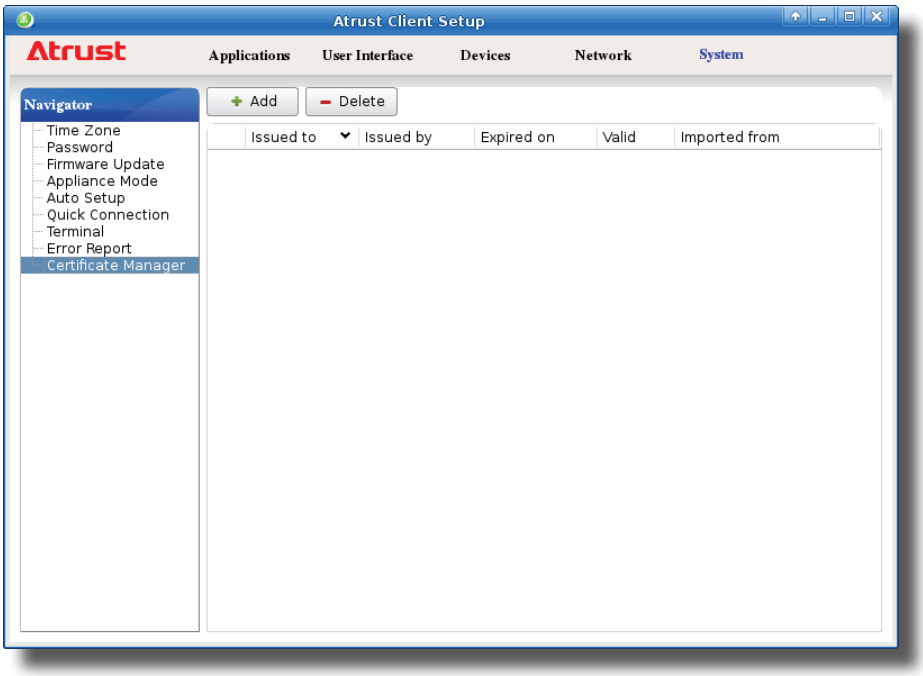
You can import certificates for remote computers through:

- A local device (from a USB storage device)
- The network (from a remote computer or the management console)

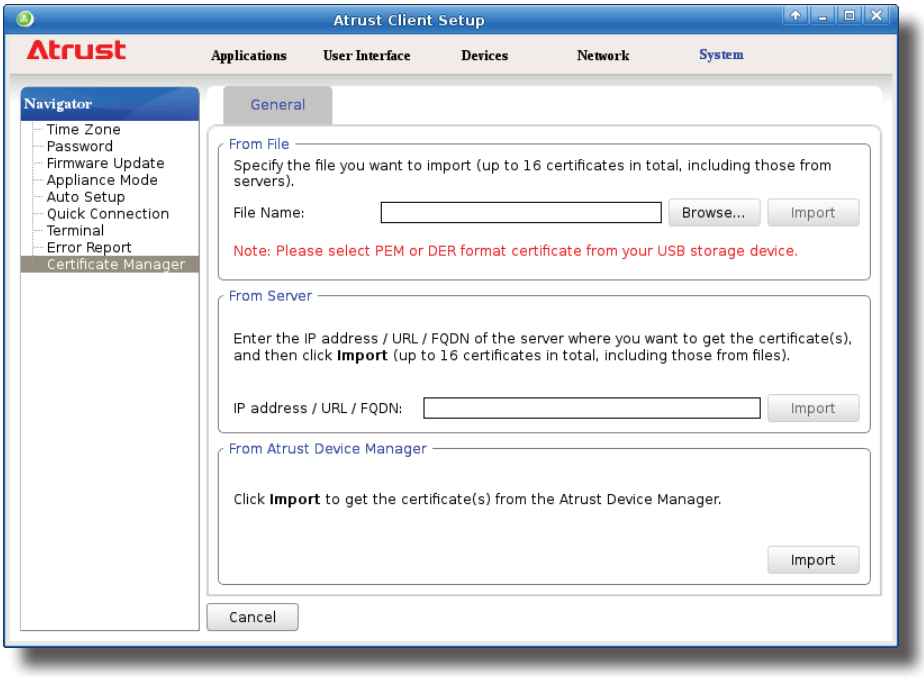
> **NOTE**
>
> - The available management console for t180L/t180LB is Atrust Device Manager, a remote and group management console for multiple thin clients. For more information, please refer to the User's Manual for Atrust Device Manager.

Importing certificates through a USB storage device
To import certificates for remote computers through a USB storage device, please do the following:

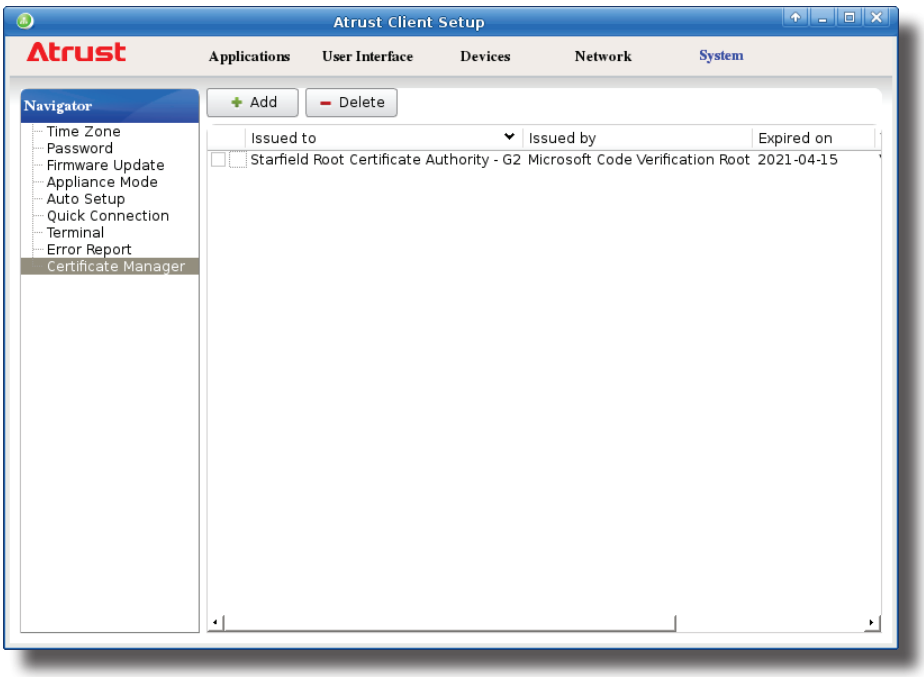
1. Copy your certificates to a USB storage device, and then connect this storage device to your t180L/t180LB.
2. On Atrust Client Setup, click **System** > **Certificate Manager**.
3. Click **Add** on the top of the Certificate list.



4. In the From File section, click **Browse** to locate the desired certificate file, and then click **Open** to confirm.



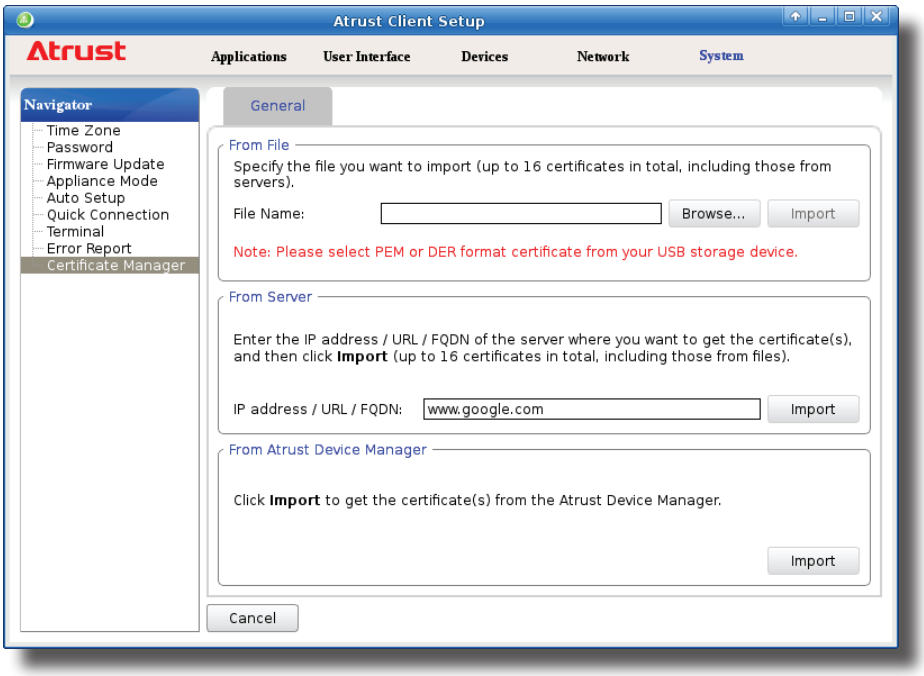
5. Click **Import** to start importing the certificate.
6. On completion, the certificate is shown in the Certificate list.



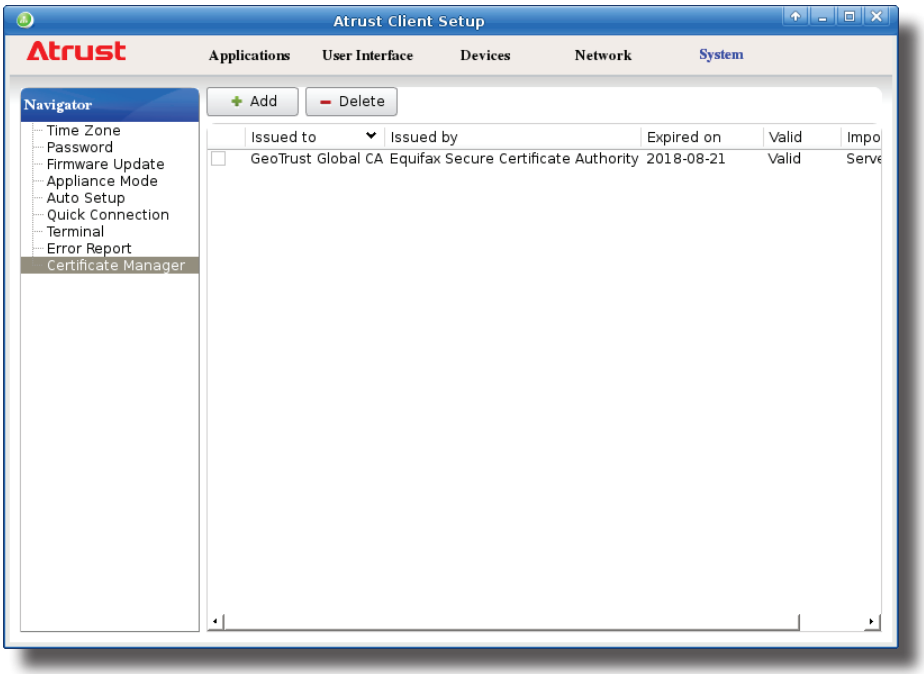
Importing certificates from remote computers through the network

To import the certificate from a remote computer through the network, please do the following:

1. On Atrust Client Setup, click **System** > **Certificate Manager**.
2. Click **Add** on the top of the Certificate list.
3. In the From Server section, type the IP address / URL / FQDN of the remote computer, and then click **Import**.



4. On completion, the certificate is shown in the Certificate list.

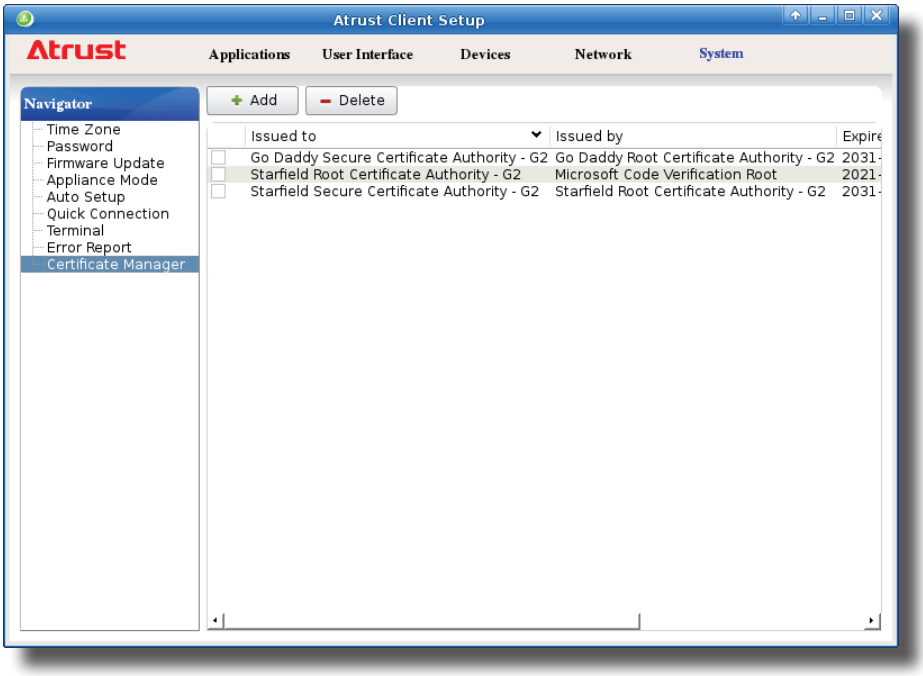


Importing certificates from Atrust Device Manager through the network
To import certificates from Atrust Device Manager through the network, please do the following:

NOTE

- Before proceeding, ensure that (1) your thin client has been added into a managed group in the management console, that is, Atrust Device Manager, and that (2) you have imported certificates into the management console.

1. On Atrust Client Setup, click **System** > **Certificate Manager**.
2. Click **Add** on the top of the Certificate list.
3. In the From Atrust Device Manager section, click **Import** to start importing all certificates available in Atrust Device Manager.
4. On completion, the certificates are shown in the Certificate list.



4.2.15 Enabling or Disabling Auto Registration

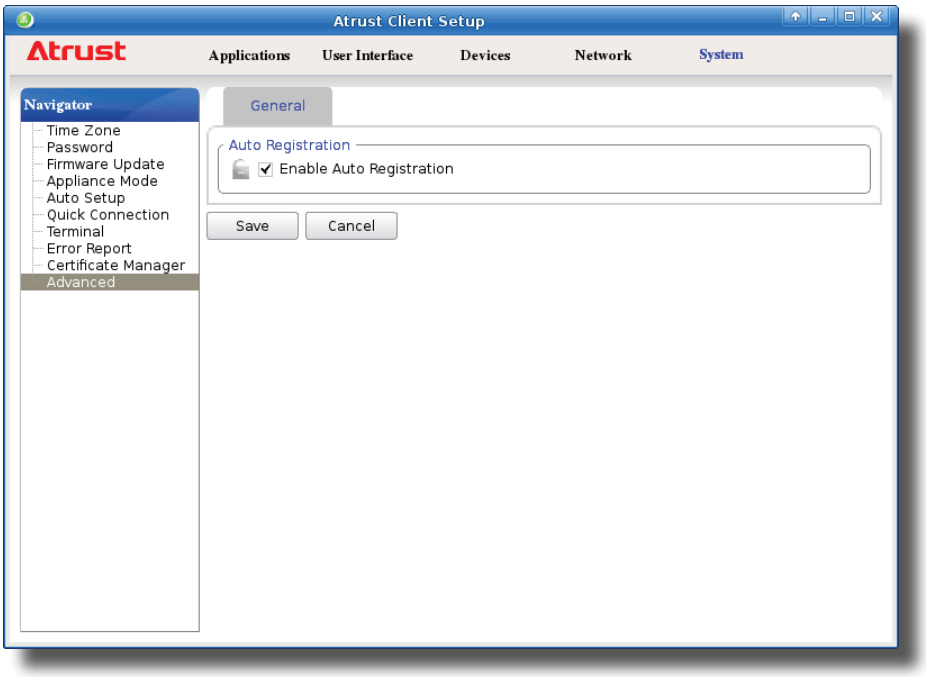
Auto Registration allows that thin clients automatically register with Atrust Device Manager when they are online and then become managed by Atrust Device Manager.

NOTE

- For this feature to work, Auto Registration must be enabled on both sides: thin clients and target Atrust Device Manager. In addition, some configurations on DHCP or DNS server over your network are required. For details, please refer to the User's Manual for Atrust Device Manager.
- By default, Auto Registration is enabled on thin client side, disabled Atrust Device Manger.

To enable or disable Auto Registration on your thin client, please do the following:

1. On Atrust Client Setup, click **System** > **Advanced**.
2. Check / Uncheck to **Enable Auto Registration** to enable / disable Auto Registration.



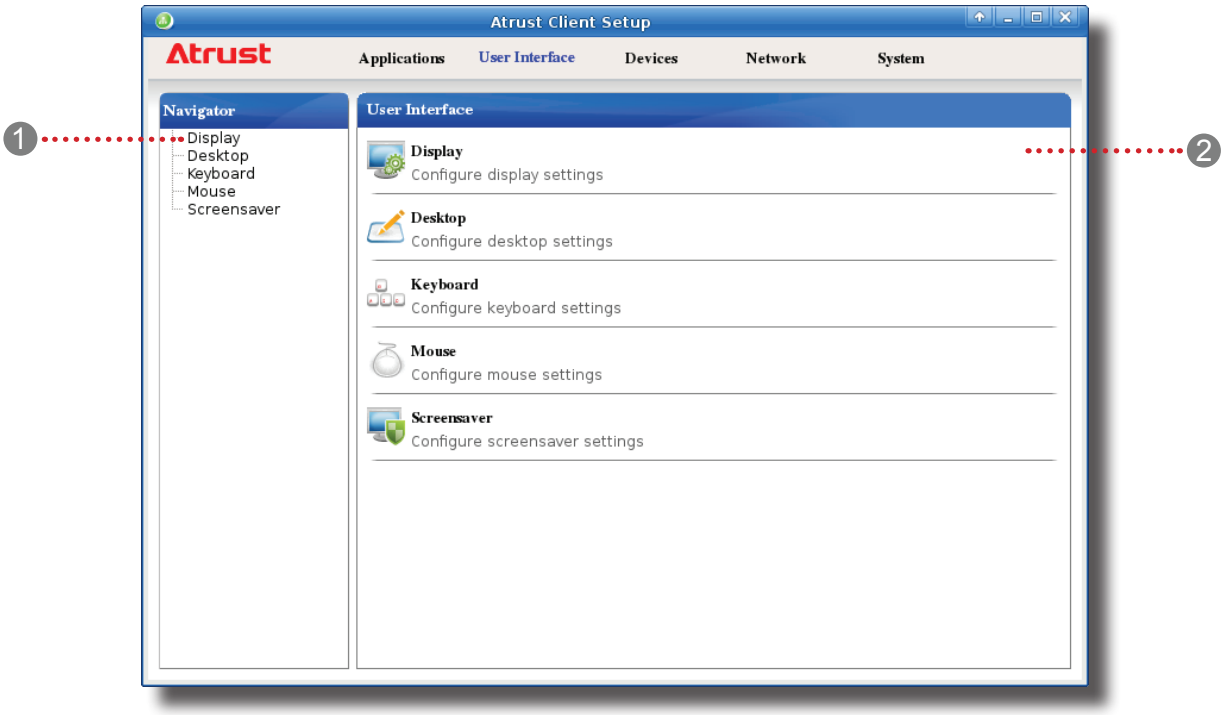
3. Click **Save** to apply.

4.3 Configuring User Interface Settings

4.3.1 User Interface Tab Overview

User Interface tab enables you to configure settings for the user interface of clients. To access available settings of **User Interface** tab, click the tab on Atrust Client Setup.

User Interface Tab Overview



Interface Elements		
No.	**Name**	**Description**
1	Navigation area	Click to select a setting item under **User Interface** tab.
2	Configuration area	Configures setting values when a setting item or entry is selected.

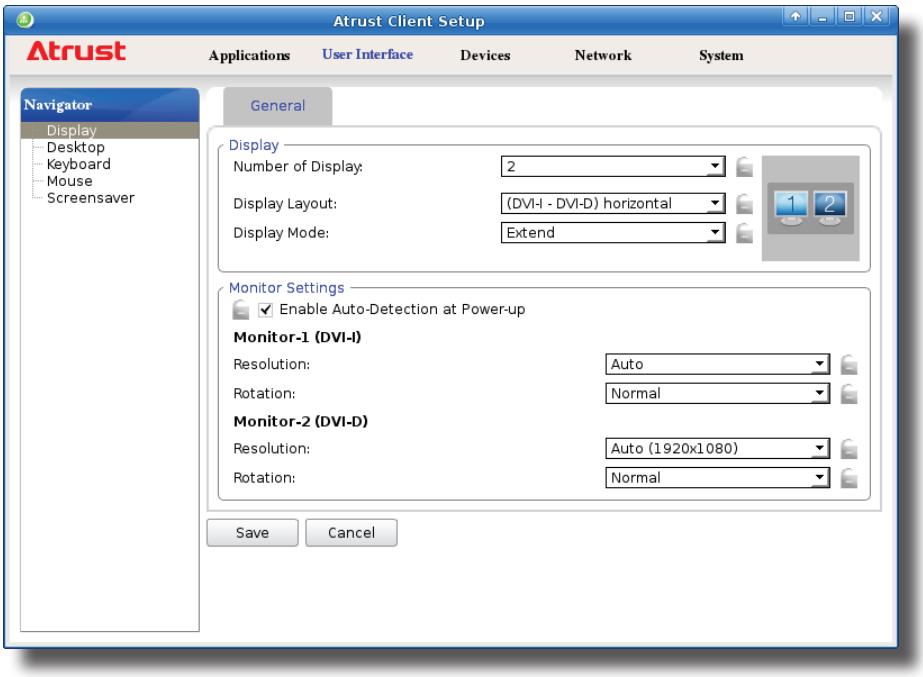
4.3.2 Available Settings at a Glance

Tab	Setting	Icon	Description	Section	Page
User Interface	Display		Click to configure display settings.	4.3.3	70
	Desktop		Click to customize desktop and system language.	4.3.4 4.3.5 4.3.6	73 75 76
	Keyboard		Click to adjust keyboard settings.	4.3.7	77
	Mouse		Click to adjust mouse settings.	4.3.8	79
	Screensaver		Click to configure screensaver settings.	4.3.9	80

4.3.3 Configuring Display Settings

To configure display settings for your t180L/t180LB, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Display**.



2. Click drop-down menus to select the number of attached display(s), arrangement of displays, resolution, etc. Refer to the following table to select appropriate setting values.

NOTE

- The available setting items vary, depending on your model and the selected number of display(s).

<table>
<tr><th colspan="2">Display</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Number of Display</td><td>Click to select the number of attached display(s).
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>1</td><td>One display is attached.</td></tr>
<tr><td>2</td><td>Two displays are attached.</td></tr>
</table></td></tr>
<tr><td>Display Layout</td><td>Click to select the arrangement of displays.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Use DVI-I</td><td>Use the single display that is attached to the DVI-I port.</td></tr>
<tr><td>Use DVI-D</td><td>Use the single display that is attached to the DVI-D port.</td></tr>
<tr><td>(DVI-I - DVI-D) horizontal</td><td>Use dual displays.
Two displays are arranged horizontally:
the DVI-I one is on the left; the DVI-D the right.
The DVI-I one is the main display for local desktop when Extend is selected.</td></tr>
<tr><td>(DVI-D - DVI-I) horizontal</td><td>Use dual displays.
Two displays are arranged horizontally:
the DVI-D one is on the left; the DVI-I the right.
The DVI-D one is the main display for local desktop when Extend is selected.</td></tr>
<tr><td>(DVI-I - DVI-D) vertical</td><td>Use dual displays.
Two displays are arranged vertically:
the DVI-I one is on the top; the DVI-D the bottom.
The DVI-I one is the main display for local desktop when Extend is selected.</td></tr>
<tr><td>(DVI-D - DVI-I) vertical</td><td>Use dual displays.
Two displays are arranged vertically:
the DVI-D one is on the top; the DVI-I the bottom.
The DVI-D one is the main display for local desktop when Extend is selected.</td></tr>
</table></td></tr>
<tr><td>Display Mode</td><td>This item is available only when 2 is selected in the Number of Display drop-down menu:
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Extend</td><td>One display is used as the extended display of the other.</td></tr>
<tr><td>Clone</td><td>Two displays have the same display content.</td></tr>
</table></td></tr>
</table>

<table>
<tr><th colspan="2">Monitor Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Enable Auto-Detection at Power-up</td><td>Check/Uncheck to enable/disable the automatic detection of the attached monitor(s) when the client is powered on.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Enabled</td><td>Automatic detection of the attached monitor(s) is enabled. The system would set an appropriate resolution for the attached monitor(s) when the client is powered on.</td></tr><tr><td>Disabled</td><td>Automatic detection of the attached monitor(s) is disabled. All resolutions supported by the client will be listed in the Resolution drop-down menu when Auto-Detection at Power-up is disabled. Please note that some resolutions may not be applicable to your monitor(s).</td></tr></table></td></tr>
<tr><td>Monitor Resolution</td><td>Use this item to set an appropriate resolution for the attached display.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Auto</td><td>This option is available only when Enable Auto-Detection at Power-up is selected.</td></tr><tr><td>Other options</td><td>Select the desired resolution from the Resolution drop-down menu for the attached display.</td></tr></table>
NOTE: All resolutions supported by the client will be listed in the Resolution drop-down menu when Auto-Detection at Power-up is disabled. Please note that some resolutions may not be applicable to your monitor(s).</td></tr>
</table>

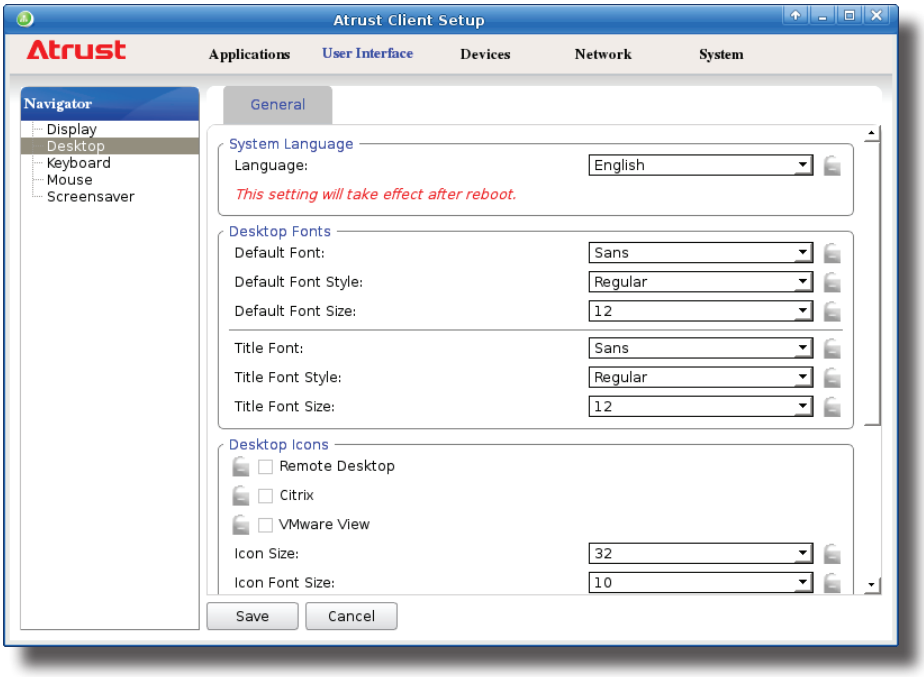
NOTE

- When the vertical Display Layout and Extend display mode are selected, the Taskbar will be moved to the top of the main desktop as shown below.

4.3.4 Customizing Desktop and System Language Settings

To customize desktop and system language settings for your t180L/t180LB, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Desktop**.



2. Click drop-down menus or tick/untick checkboxes to choose desired settings. Refer to the following table for a description of each setting item.

System Language	
Item	**Description**
Language	Click the drop-down menu to select the system language. **NOTE:** Available languages may vary with the firmware version of your device. **NOTE:** You need to restart the system for the change to take effect.
Desktop Fonts	
Item	**Description**
Default Font	Click the drop-down menus to select the desired font, its style and size used for the user interface of the operating system, such as menus, options on menus, text labels for desktop shortcuts, tabs on program windows etc. **NOTE:** Your changes will not apply to the titles of opened windows, the Atrust Client Setup console, and the System Information window (**START** > **System Settings** > **System Information**).
Default Font Style	
Default Font Size	
Title Font	Click the drop-down menus to select the desired font, its style and size used for the titles of the opened windows.
Title Font Style	
Title Font Size	

Desktop Icons	
Item	**Description**
Remote Desktop	Check/Uncheck to show/hide shortcuts **Remote Desktop** on the START menu and local Linux desktop for service quick access. For more information, please refer to section "4.3.5 Hiding or Showing Quick Access Shortcuts" on page 75.
Citrix	Check/Uncheck to show/hide shortcuts **Citrix** on the START menu and local Linux desktop for service quick access. For more information, please refer to section "4.3.5 Hiding or Showing Quick Access Shortcuts" on page 75.
VMware View	Check/Uncheck to show/hide desktop shortcuts **VMware View** on the START menu and local Linux desktop for service quick access. For more information, please refer to section "4.3.5 Hiding or Showing Quick Access Shortcuts" on page 75.
Icon Size	Click the drop-down menu to select the desired size of desktop icons/shortcuts.
Icon Font Size	Click the drop-down menu to select the desired text label size of desktop icons/shortcuts.
Desktop Background	
Item	**Description**
Enable Desktop Wallpaper	Check/Uncheck to enable/disable the use of Atrust wallpaper. **NOTE:** If disabled, the solid color background (dark blue) will be used.
Enable Custom Wallpaper	Check/Uncheck to enable/disable the use of a custom wallpaper. More settings appear when checked. For details, please refer to "4.3.6 Using a Custom Wallpaper" on page 76.
Download From	
Custom Wallpaper File	
Wallpaper Style	Click the drop-down menu to select the way to apply the wallpaper. Five options are available: **Centered**, **Tiled**, **Stretched**, **Scaled**, and **Zoomed**.

Option	Description
Centered	Centers the original image on the screen.
Tiled	Tiles the screen with the original image.
Stretched	Centers and extends/shrinks the image to fit the screen.
Scaled	Centers and sizes the image proportionally to fit the screen until the top-bottom or left-right sides fit the screen.
Zoomed	Centers and sizes the image proportionally to fill the screen.

NOTE: Depending on the size of the connected display, two options might have the same effect.

Wallpaper	Click the drop-down menu to select the color of Atrust wallpaper. Four colors are available: **Green**, **Blue**, **Orange**, and **Cyan**.

3. Click **Save** to apply.

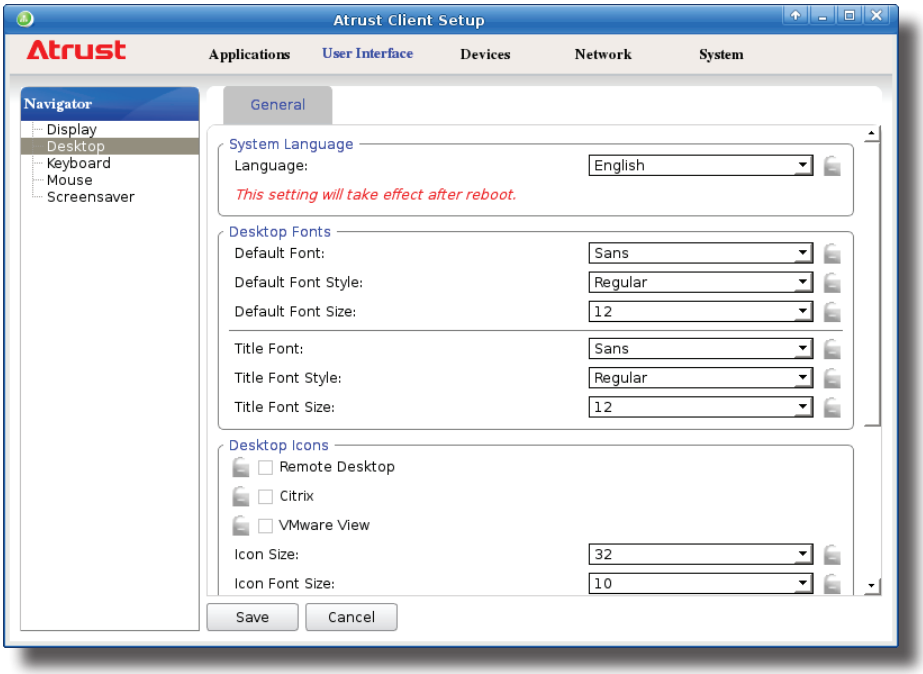
4.3.5 Hiding or Showing Quick Access Shortcuts

When the Quick Connection mode is disabled, the switch shortcuts Atrust Quick Connection on the START menu and local Linux desktop will be hidden.

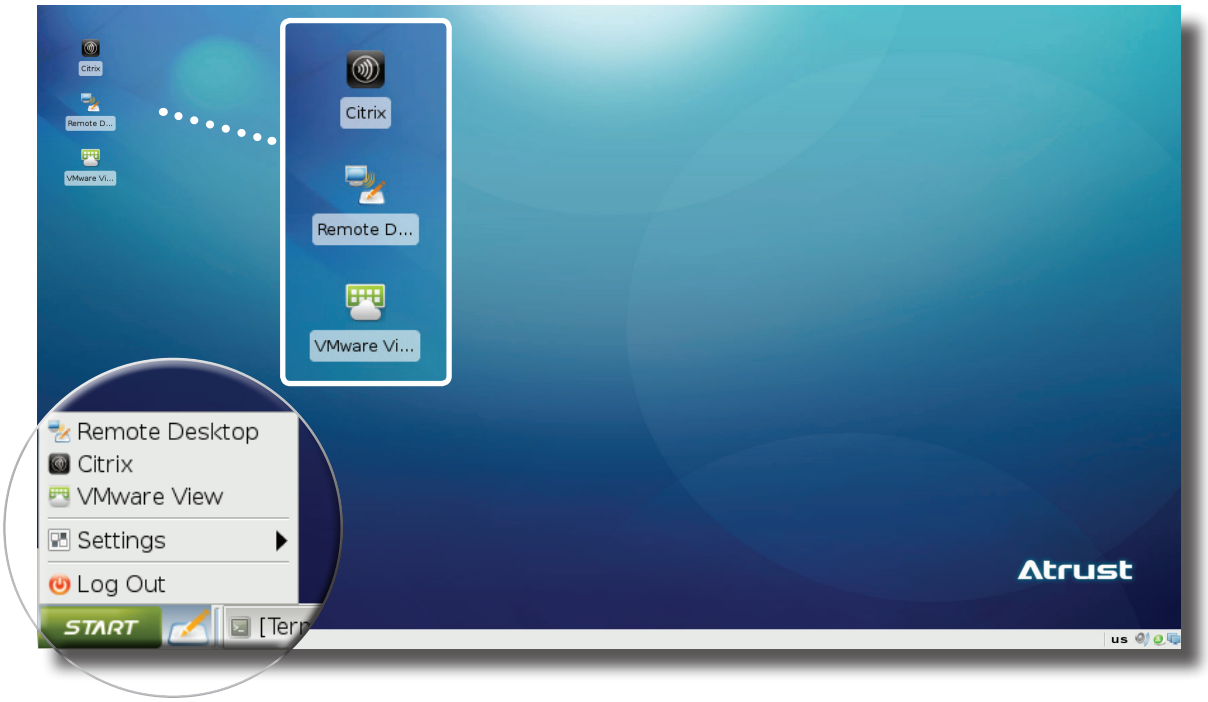
In case you want to access services quickly when the Quick Connection mode is ***disabled***, you can choose to show Quick Access shortcuts **Remote Desktop** / **Citrix** / **VMware View** on the START menu and local Linux desktop. These shortcuts enable you to access services quickly when the Quick Connection mode is disabled. They're hidden by default.

To show/hide shortcuts **Remote Desktop** / **Citrix** / **VMware View** on the START menu and local Linux desktop, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Desktop**.



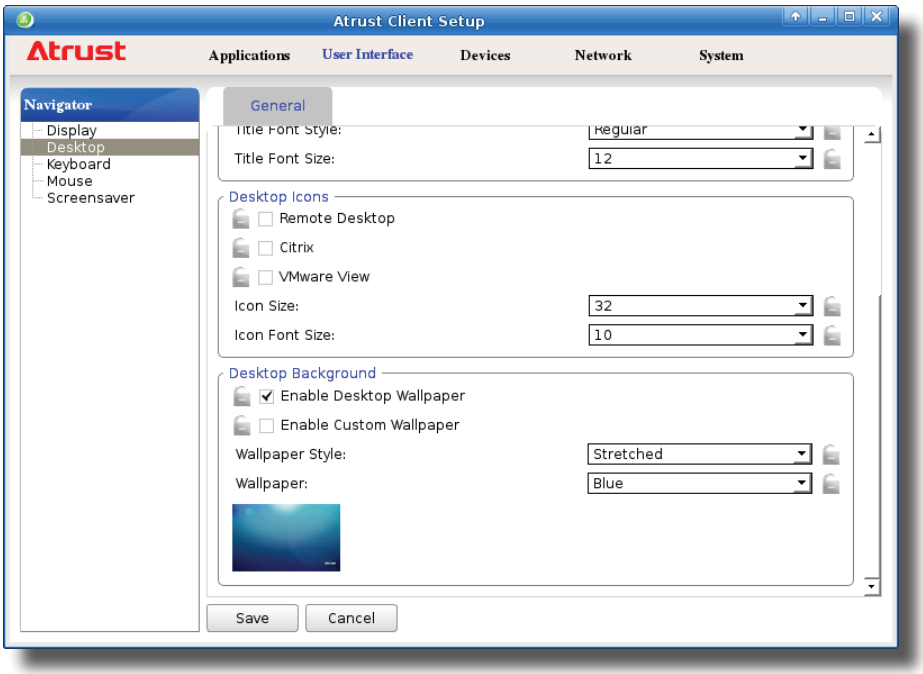
2. Click to check/uncheck **Remote Desktop** / **Citrix** / **VMware View** in the Desktop Icons section to show/hide the quick access shortcuts **Remote Desktop** / **Citrix** / **VMware View** on the START menu and local Linux desktop.
3. Click **Save** to apply the change.
4. The selected shortcuts will be shown/hidden.



4.3.6 Using a Custom Wallpaper

To use a custom wallpaper, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Desktop**.



2. Check or Uncheck **Enable Custom Wallpaper** to enable or disable the use of a custom wallpaper.
3. Select the way to apply the wallpaper and where to download or get the image file. Three options are available to get the wallpaper: **Auto Setup**, **Device Manager**, and **File**.

> **NOTE**
>
> - If **Auto Setup** is selected, your thin client must be in Auto Setup environment and be well-configured for that environment. Please see "Enabling or Disabling Auto Setup" on page 54 for more information.
> - If **Device Manager** is selected, your thin client must be managed by Atrust Device Manager. For details, please refer to the User's Manual for Atrust Device Manager.

4. Provide other information if required.

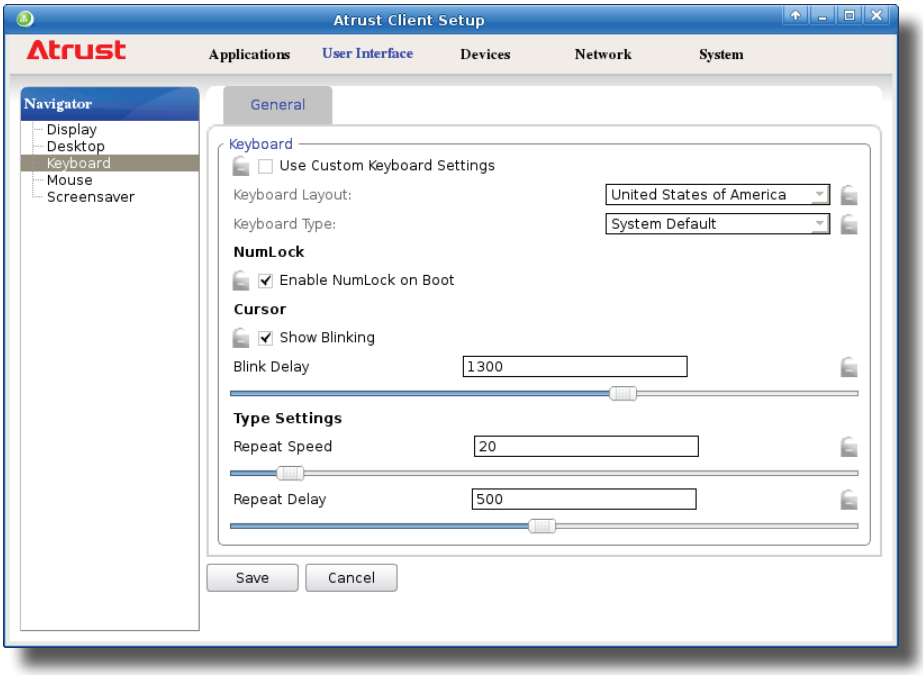
> **NOTE**
>
> - If **File** is selected, you need to specify where to get the image file locally, for example, a locally attached USB flash drive.
> - The maximum allowed size of a custom wallpaper file is **5 MB**.

5. Click **Save** to confirm.

4.3.7 Adjusting Keyboard Settings

To adjust keyboard settings for your t180L/t180LB, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Keyboard**.

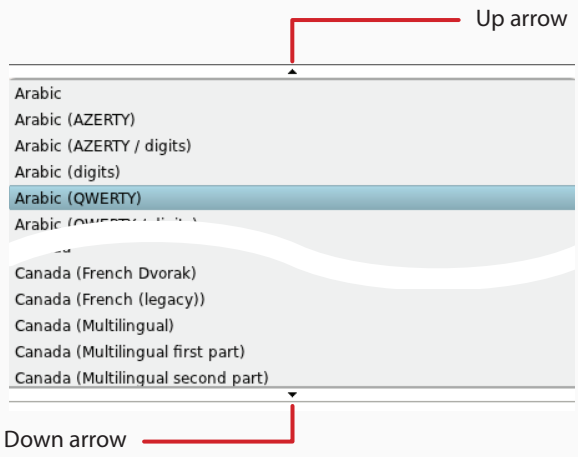


2. Click drop-down menus, tick/untick checkboxes, or move sliders to choose desired settings. Refer to the following table for a description of each setting item.

Keyboard		
Item		**Description**
Use Custom Keyboard Settings		Check/Uncheck to enable/disable the use of custom keyboard settings. **NOTE:** You are allowed to set the keyboard layout and type only when this setting is enabled.
Keyboard Layout		Click the drop-down menu to select the desired keyboard layout.
Keyboard Type		Click the drop-down menu to select the desired keyboard type.
Enable NumLock on Boot		Check/Uncheck to enable/disable the NumLock key after system startup.
Cursor	Show Blinking	Check/Uncheck to enable/disable the cursor blinking (local desktop only).
	Blink Delay	Move the slider to select the blink delay between each occurrence of cursor.
Type Settings	Repeat Speed	Move the slider to select the character repeat rate when a key is held down.
	Repeat Delay	Move the slider to select the character repeat delay between its each occurrence.

TIP

- Hang your mouse over the Up/Down arrow to quickly scroll up/down the Keyboard Layout list.



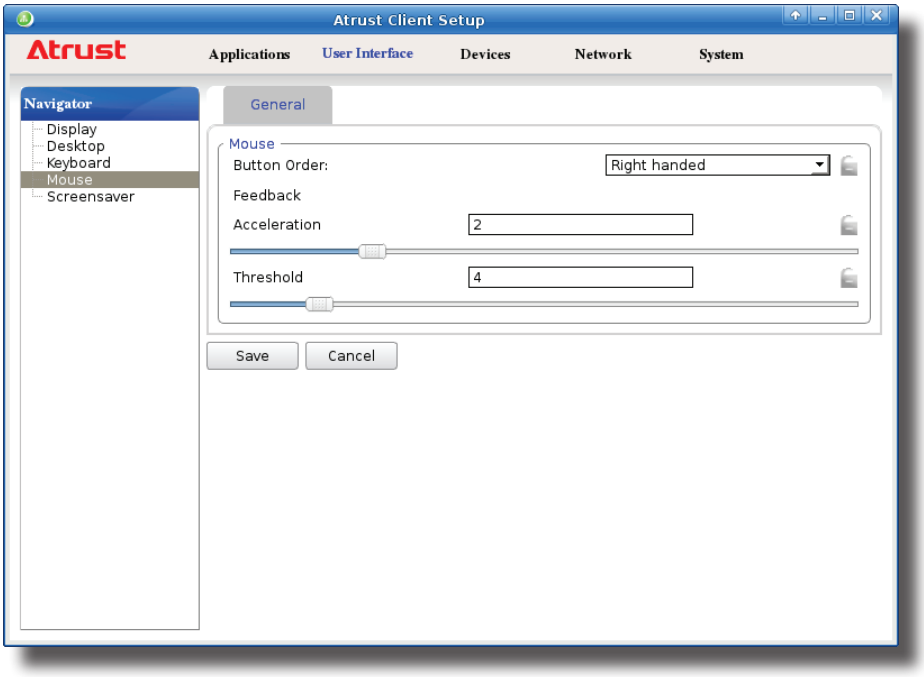
- To fine-tune a setting value, click its slider, and then use the Right/Left key to increase/decrease the value by 1 or the Page Up/Page Down key to increase/decrease by 10.

3. Click **Save** to apply.

4.3.8 Configuring Mouse Settings

To configure mouse settings for your t180L/t180LB, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Mouse**.



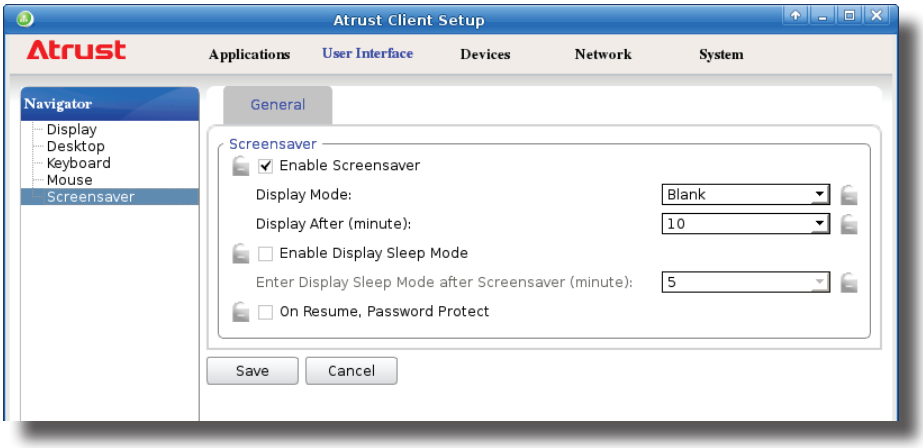
2. Click the drop-down menu or move sliders to choose desired setting values. Refer to the following table for a description of each setting item.

Mouse		
Item		**Description**
Button Order		Click the drop-down menu to switch mouse buttons for right-hand/left-hand use.
Feedback	Acceleration	Move the slider to select the rate at which the mouse increases speed while moving.
	Threshold	Move the slider to select the moved distance (pixels) after which the mouse starts to accelerate.

4.3.9 Configuring Screensaver Settings

To configure screensaver settings for your t180L/t180LB, please do the following:

1. On Atrust Client Setup, click **User Interface** > **Screensaver**.



2. Click drop-down menus or tick/untick checkboxes to choose desired settings.

Screensaver	
Item	**Description**
Enable Screensaver	Check/Uncheck to enable/disable Screensaver.
Display Mode	Click to select the display mode of the screensaver. Two options are available: **Blank** and **Logo**. **Option** – **Description** Blank – Displays a black screen. Logo – Displays the Atrust floating logo.
Display After (minute)	Click to select the wait time for screensaver.
Enable Display Sleep Mode	Check to turn off (i.e. stop sending signals to) the display to maximize the energy savings.
Enter Display Sleep Mode after Screensaver (minute)	Click to select when to turn off (i.e. stop sending signals to) the display after Screensaver starts.
On Resume, Password Protect	Check/Uncheck to resume with/without a password.

TIP

- While setting wait time for screensaver, you can hang your mouse over the Up/Down arrow to quickly scroll up/down the Minute list.

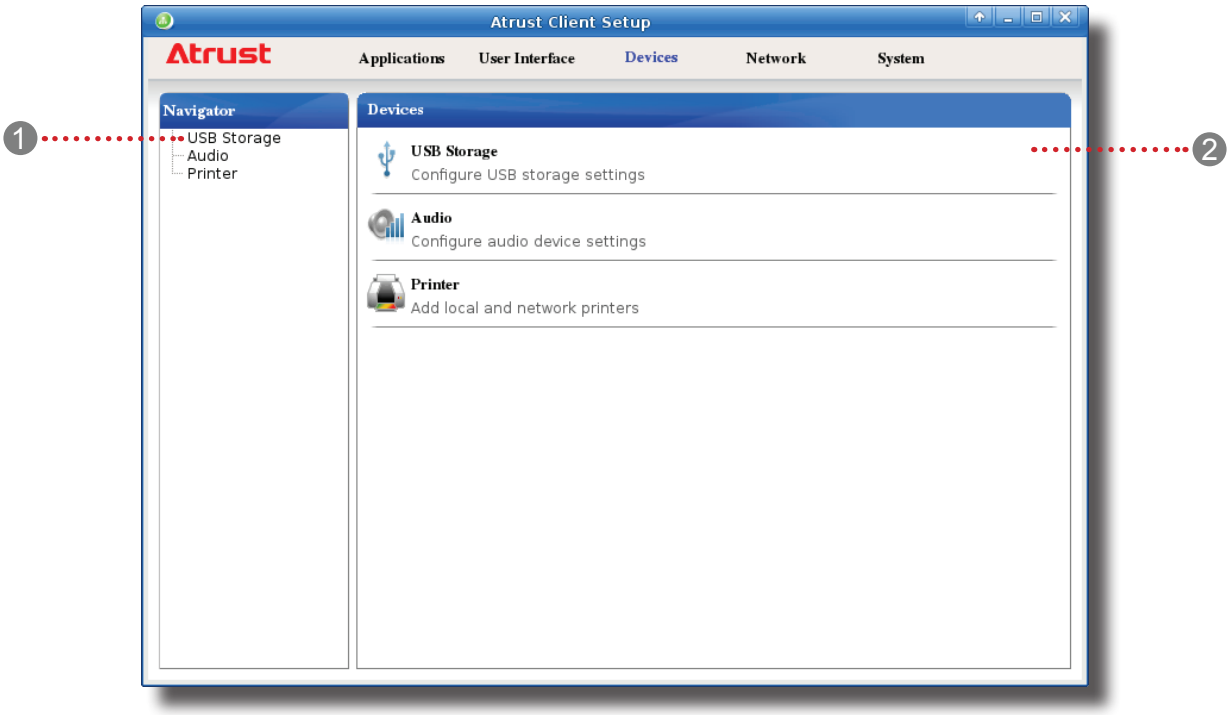
3. Click **Save** to apply.

4.4 Configuring External Device Settings

4.4.1 Devices Tab Overview

Devices tab enables you to configure settings for external devices of clients. To access available settings of **Devices** tab, click the tab on Atrust Client Setup.

Devices Tab Overview



Interface Elements		
No.	**Name**	**Description**
1	Navigation area	Click to select a setting item under **Devices** tab or to select a setting entry under a selected setting item.
2	Configuration area	Configures setting values when a setting item or entry is selected.

4.4.2 Available Settings at a Glance

Tab	Setting	Icon	Description	Section	Page
Devices	USB Storage		Click to configure settings for USB storage devices.	4.4.3 4.4.4	82 83
	Audio		Click to configure settings for audio devices.	4.4.5 4.4.6	84 85
	Printer		Click to add local or network printers.	4.4.7 4.4.8	86 89

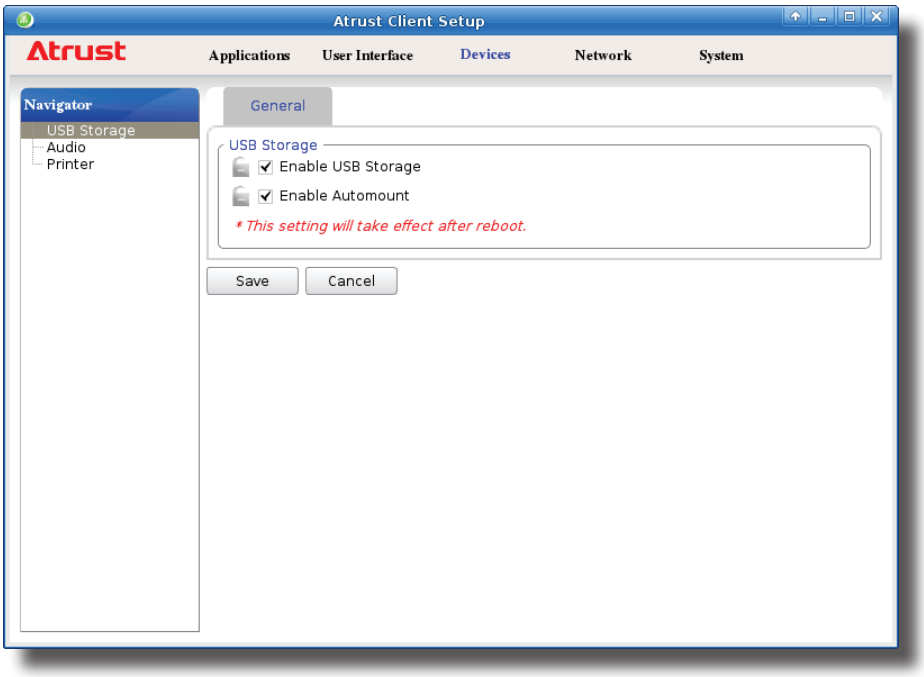
4.4.3 Configuring Settings for USB Storage Devices

To configure settings for USB storage devices, please do the following:

NOTE

- To access locally attached USB storage devices in a local or virtual session, you need to configure appropriate settings under this setting item.

1. On Atrust Client Setup, click **Devices** > **USB Storage**.



2. Tick/untick the checkboxes to choose the desired settings.

Settings for USB Storage Devices	
Item	**Description**
Enable USB Storage	Tick/Untick this checkbox to allow/disallow the access of USB storage devices. **NOTE:** To use the locally attached USB storage devices in an RDP / ICA / View session, the mapping of local USB storage devices must be enabled in this session's RDP / ICA / View connection settings. For detailed instructions and more related settings, please refer to sections: "4.6.5 Configuring Advanced RDP Connection Settings" on page 131 "4.6.11 Configuring Advanced ICA Connection Settings" on page 169 "4.6.14 Configuring Advanced View Connection Settings" on page 202
Enable Automount	Tick/Untick this checkbox to enable/disable the automount of USB storage devices. **NOTE:** If this setting is disabled, users need to manually mount the attached USB storage devices. For detailed instructions, please refer to section "4.4.4 Manually Mount and Eject Attached USB Storage Devices" on page 83.

3. Click **Save** to save your change.

NOTE

- For your changes to take effect, you need to restart your system.

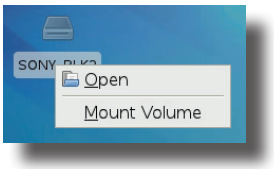
4.4.4 Manually Mount and Eject Attached USB Storage Devices

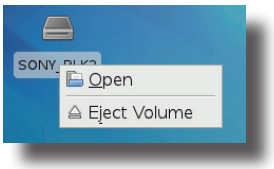
To mount/eject an attached USB storage device, please do the following:

NOTE

- If **Enable Automount** is checked (see section "4.4.3 Configuring Settings for USB Storage Devices" on page 82), then an attached USB storage device will be mounted automatically.

1. Right click the desktop icon of the attached USB storage device.
2. A popup menu appears.





3. Click to select **Mount Volume**/**Eject Volume** to mount\eject the attached USB storage device.

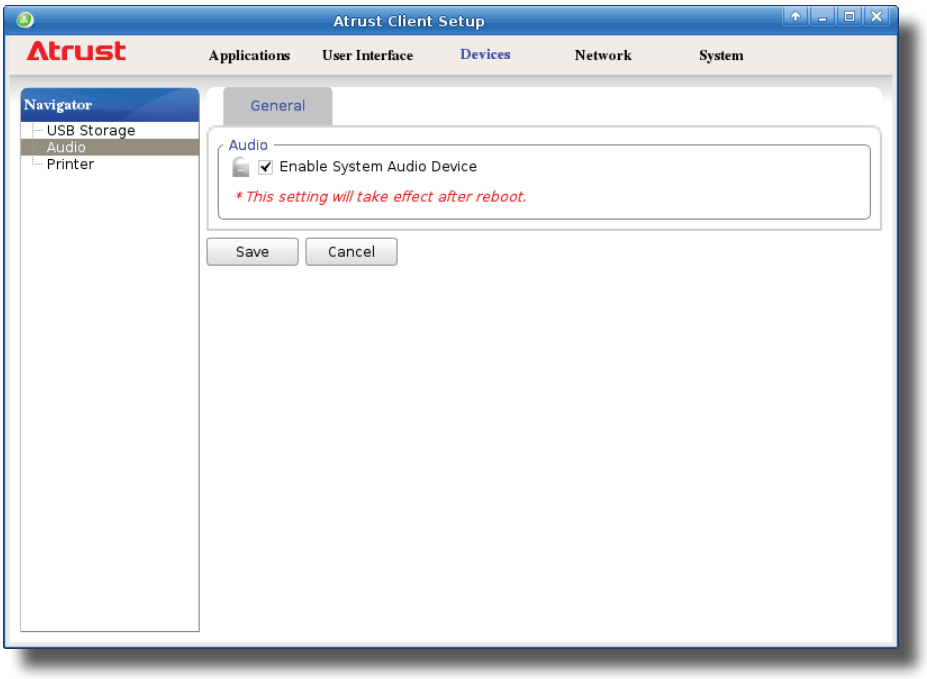
4.4.5 Disabling or Enabling Attached Audio Devices

To disable/enable attached audio devices, please do the following:

NOTE

- If you disable locally attached audio devices, client users are not allowed to perform audio playback or recording with these devices in an RDP / ICA / View session.
- To perform audio playback or recording with local audio devices in an RDP / ICA / View session, you need to enable locally attached audio devices here (the **Audio** setting item under **Devices** tab) and configure audio related settings in the RDP / ICA / View connection settings. For detailed instructions, please refer to sections:
  - ✧ "4.6.5 Configuring Advanced RDP Connection Settings" on page 131
  - ✧ "4.6.11 Configuring Advanced ICA Connection Settings" on page 169
  - ✧ "4.6.14 Configuring Advanced View Connection Settings" on page 202

1. On Atrust Client Setup, click **Devices** > **Audio**.



2. Click to check/uncheck **Enable System Audio Device**.
3. Click **Save** to confirm your selection.

NOTE

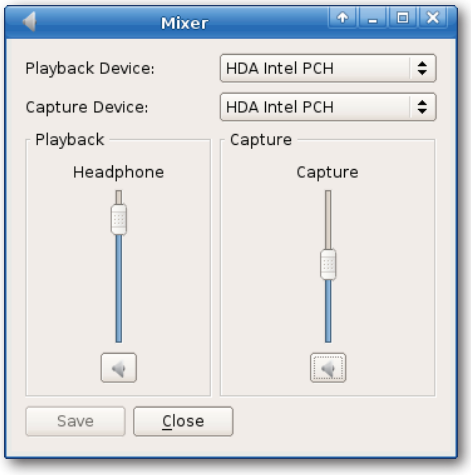
- The change will not take effect until t180L/t180LB has been restarted.

4.4.6 Using USB Audio Devices

By default, your thin client would use audio devices attached to 3.5 mm audio ports. In case that you want to use a USB audio device, you need to change the default.

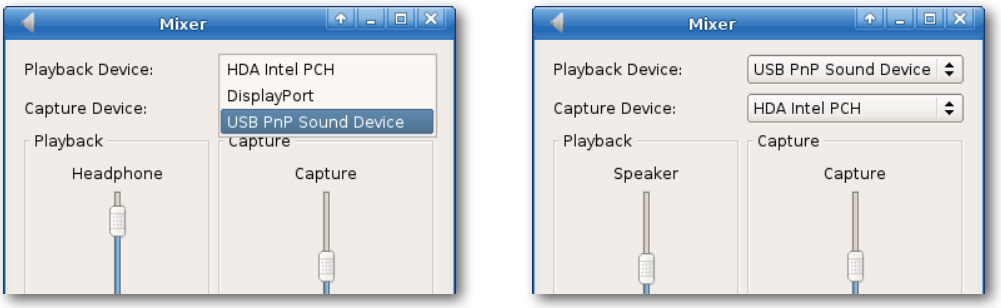
To configure default audio devices, please do the following:

1. Connect the desired USB audio device to your thin client.
2. On ***Quick Connection*** screen or ***local*** desktop, click icon in the bottom-right corner to open the Mixer window.



3. On the opened window, click the drop-drown menu to select the USB PnP device.

Example: Using USB Speakers



NOTE

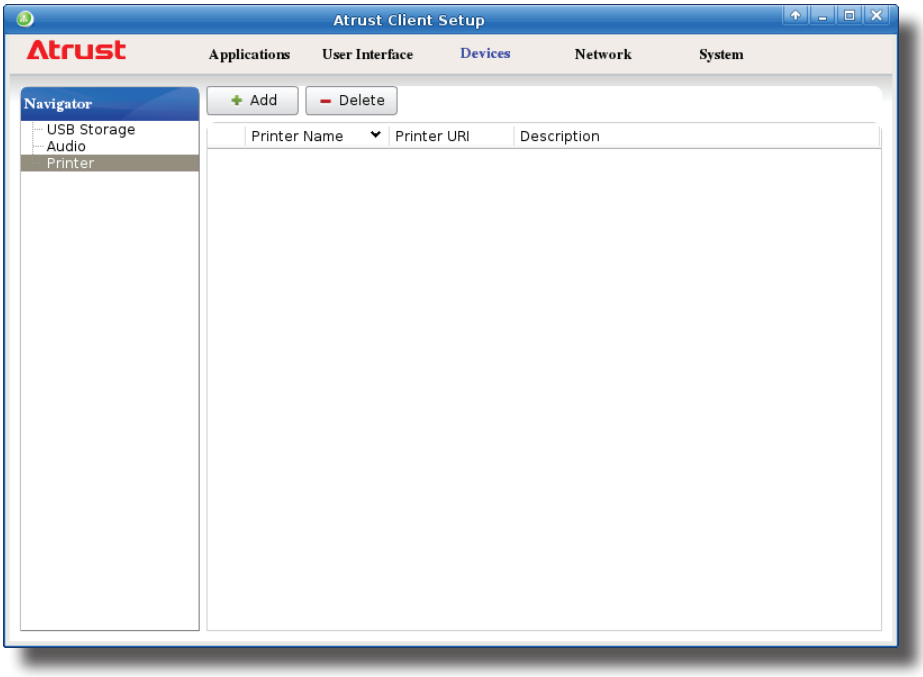
- The default for Playback and Capture devices is **HDA Intel PCH**. Available options may vary with your thin client model.

4. Click **Save** to confirm.

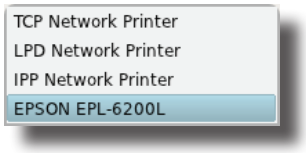
4.4.7 Adding a Local Printer

To add a local printer for your t180L/t180LB, please do the following:

1. Connect the desired printer to your t180L/t180LB and turn on the printer.
2. On Atrust Client Setup, click **Devices** > **Printer**.

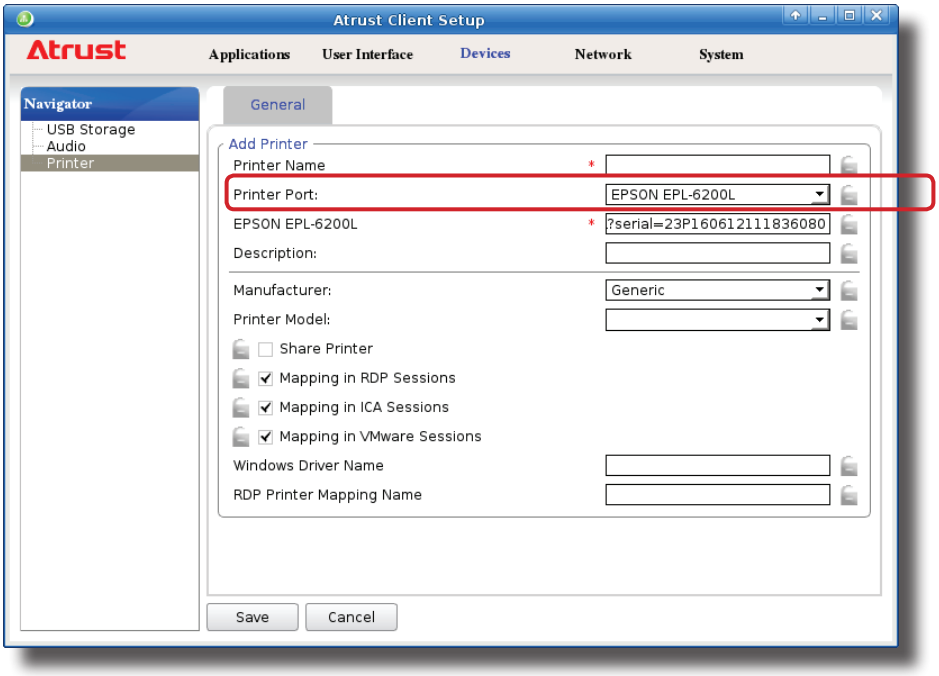


3. Click **Add** on the top of the Printer list.
4. The system automatically start searching for available local printers.
5. Upon completion, the discovered local printers will be listed on the Printer Port drop-down menu.
6. Click the Printer Port drop-down menu to select the desired local printer.



7. Fields in the Add Printer section will automatically change to fit the type of the selected printer.

8. A field for the selected printer appears and the printer URI (Uniform Resource Identifier) data is automatically filled out in the field.



NOTE

- A URI (Uniform Resource Identifier) is a sequence of characters that is used to identify a resource on the Internet.

9. Click the Manufacturer and Printer Model drop-down menus to select the manufacturer and model for the attached local printer.

NOTE

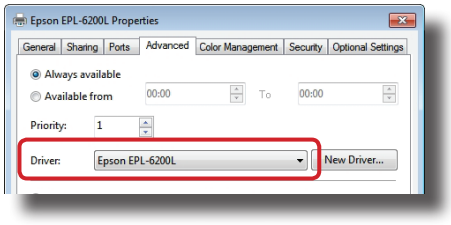
- For the printer to operate normally, you need to specify the correct information in these two menus. Otherwise, the printer would fail to work.

10. Refer to the following table to configure desired settings.

NOTE

- You may need to provide the Windows driver name for your printer. For details, please refer to descriptions in the table.

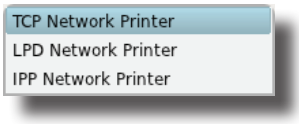
11. Type the desired printer name, and then click **Save** to apply.

Settings for Printers	
Item	**Description**
Share Printer	Check/Uncheck to share the printer. Once **Share Printer** is checked, other computers in the same network segment will be allowed to use the printer. To add this shared printer for use on other computers, please do the following: 1. For computers running a Windows Server operating system, such as Windows Server 2008 R2, please add the **Internet Printing Client** feature first (Click **Start** > **All Programs** > **Administrative Tools** > **Server Manager** > **Action** > **Add Features** > **Internet Printing Client**, follow the wizard to complete the task, and then restart your system). 2. Click **Start** > **Devices and Printers** > **Add a printer** > **Add a network, wireless or Bluetooth printer**. 3. Click **Stop** to cancel the automatic printer search, and then click **The printer that I want isn't listed**. 4. Under **Select a shared printer by name**, enter http://IP address of your thin client:631/printers/Printer Name. **NOTE:** For example, if a printer is locally attached to your thin client and is added as a local printer through Atrust Client Setup with the printer name **EPS**, and the IP address of your thin client is 192.168.50.146. Here you should enter: **http://192.168.50.146:631/printers/EPS** 5. Click **Next** to continue. 6. Select the manufacturer and model of the printer, and then click **OK** to install the correct driver. 7. Upon completion, a success message appears. Click **Next** to continue. 8. On the appeared page, click **Print a test page** to test the printer. 9. Click **Finish** to apply. The printer is added to the Printers and Faxes list.
Mapping in RDP Sessions	Check/Uncheck to enable/disable the locally connected printer in an RDP session.
Mapping in ICA Sessions	Check/Uncheck to enable/disable the locally connected printer in an ICA session.
Mapping in VMware Sessions	Check/Uncheck to enable/disable the locally connected printer in a View session.
Windows Driver Name	Keep this field blank, if the printer works well in a session. In case that the printer fails to work, filling in this field may solve the problem. To find out the required information, please do the following: 1. Attach the printer to a computer running a Windows OS, complete the required installation, and ensure the printer works well. 2. Click **Start** > **Devices and Printers**, and then, in the opened window, right click the printer to open a popup menu. 3. On the popup menu, click to select **Printer properties**. 4. In the opened window, click **Advanced**. The driver name is shown. 
RDP Printer Mapping Name (for RDP sessions only)	Type in the desired printer name in a session (Windows desktop). If this field remains blank, the name you typed in the Printer Name field will be used.

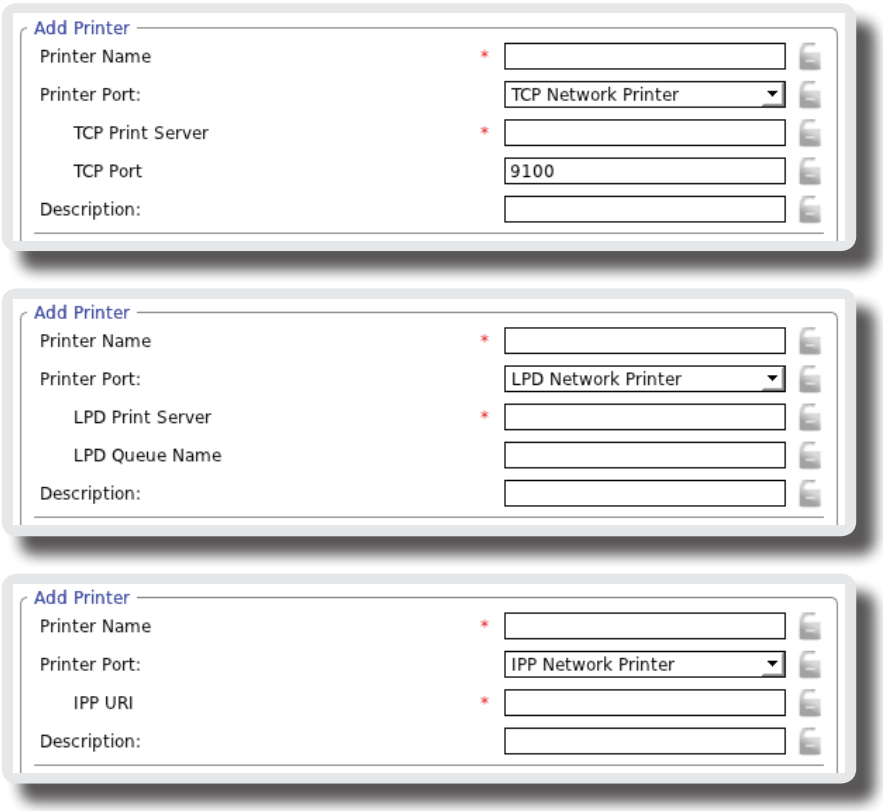
4.4.8 Adding a Network Printer

To add a network printer for your t180L/t180LB, please do the following:

1. Ensure that your t180L/t180LB is connected to the network and the desired network printer is turned on.
2. On Atrust Client Setup, click **Devices** > **Printer**.
3. Click **Add** on the top of the Printer list.
4. The system automatically starts searching for available local printers. Upon completion, the discovered local printers will be listed on the Printer Port drop-down menu.
5. Click the Printer Port drop-down menu to select the desired network printer. Three types of network printers are available: **TCP Network Printer**, **LPD Network Printer**, and **IPP Network Printer**.



6. Fields in the Add Printer section will automatically change to fit the type of the selected printer.
7. Type in the IP address of the network printer in the TCP Printer Server, LPD Printer Server, or IPP URI field.



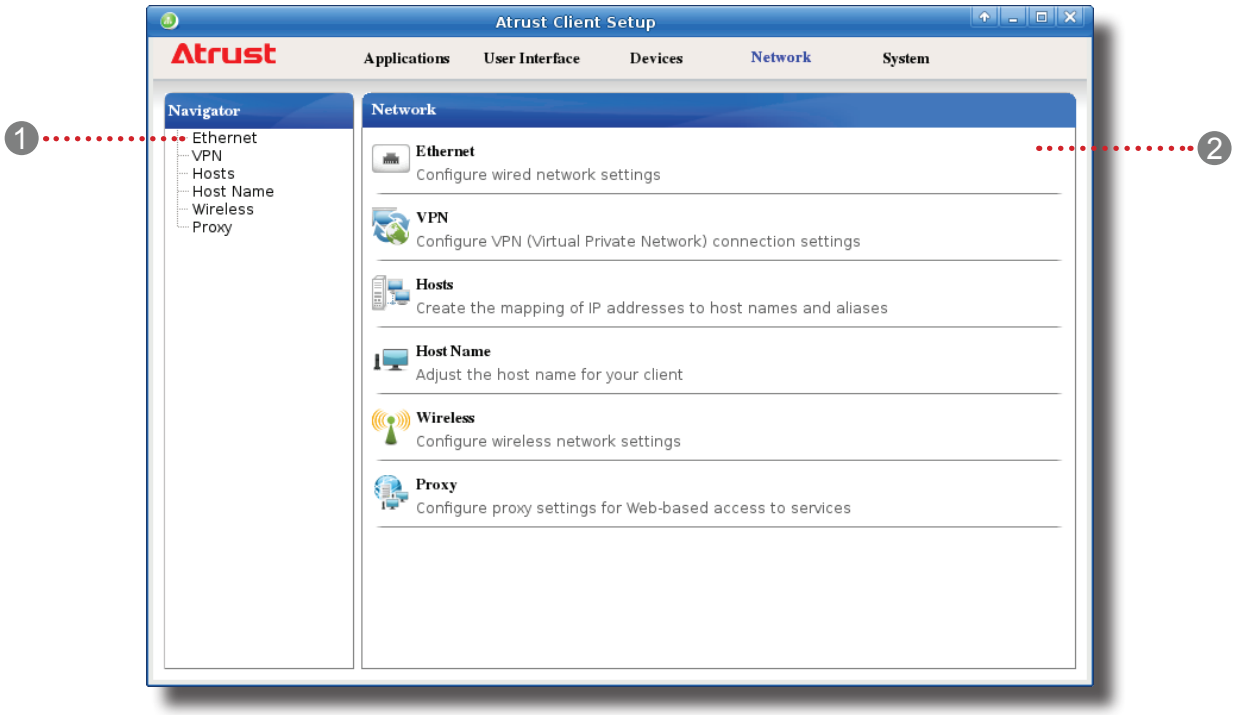
8. Click the Manufacturer and Printer Model drop-down menus to select the manufacturer and model for the desired network printer.
9. Refer to the table on page 88 to configure other printer settings, and then click **Save** to apply.

4.5 Configuring Network Settings

4.5.1 Network Tab Overview

Network tab enables you to configure network settings for clients. To access available settings of **Network** tab, click the tab on Atrust Client Setup.

Network Tab Overview



Interface Elements		
No.	**Name**	**Description**
1	Navigation area	Click to select a setting item under **Network** tab or to select a setting entry under a selected setting item.
2	Configuration area	Configures setting values when a setting item or entry is selected.

4.5.2 Available Settings at a Glance

Tab	Setting	Icon	Description	Section	Page
Network	Ethernet		Click to configure wired network settings.	4.5.3 4.5.4	92 95
	VPN		Click to configure VPN (Virtual Private Network) connection settings and create a VPN connection.	4.5.5 4.5.6	96 100
	Hosts		Click to create the mapping of IP addresses to the names of host servers and create the Failover Cluster list.	4.5.7 4.5.8	101 103
	Host Name		Click to change the host name of your thin client.	4.5.9	105
	Wireless		Click to configure wireless network settings and create a wireless connection.	4.5.10 4.5.11 4.5.12 4.5.13	106 107 108 111
	Proxy		Click to configure proxy settings for Web-based access to services.	4.5.14	112

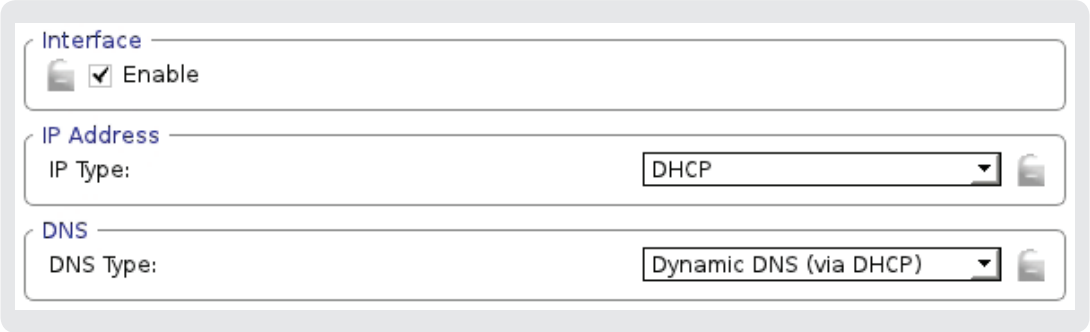
4.5.3 Configuring Wired Network Settings

The **Ethernet** setting enables you to configure the wired network settings for your t180L/t180LB thin client.

Enabling or Disabling the Ethernet Network Interface

To enable/disable the Ethernet network interface, please to the following:

1. On Atrust Client Setup, click **Network** > **Ethernet**.
2. Under Interface section, check/uncheck **Enable** to enable/disable the Ethernet network interface.



3. Click **Save** to apply.

Using a Dynamic IP Address

To use a dynamic IP address, please do the following:

1. On Atrust Client Setup, click **Network** > **Ethernet**.
2. Under the IP address section, click the drop-down menu to select **DHCP** for the IP type field.

> **NOTE**
> - If **DHCP** is selected, the DHCP server over the network will automatically assign an IP address to your t180L/t180LB thin client. This is the default setting.

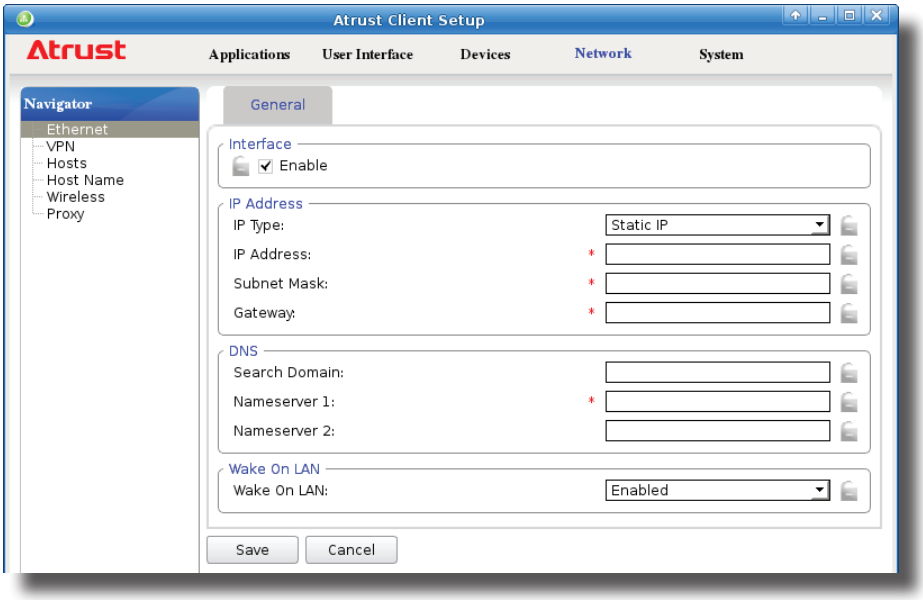
3. Click **Save** to apply.

Using a Static IP Address

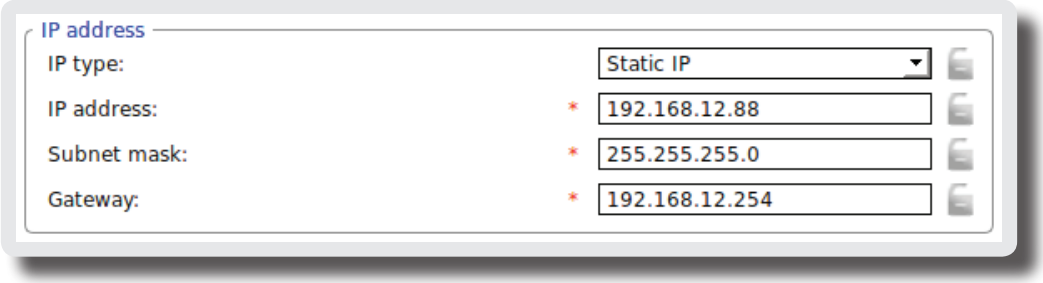
To use a static IP address, please do the following:

> **NOTE**
> - It's recommended to use a dynamic IP address for your t180L/t180LB thin client in a corporate network environment.

1. On Atrust Client Setup, click **Network** > **Ethernet**.
2. Under the IP address section, click the drop-down menu to select **Static IP** for the IP type field.
3. The IP address, Subnet mask, and Gateway fields appear in the IP address section.



4. Type in the IP address, subnet mask, and gateway for your t180L/t180LB thin client.



NOTE

- Consult your network administrator for a free IP address and other required data about the network to which your t180L/t180LB connects. The red asterisks indicate the required fields.

5. Click **Save** to apply.

NOTE

- You need to further specify DNS server addresses manually if you choose to use a static IP address.

Obtaining DNS Server Addresses Automatically

To obtain DNS Server addresses automatically, please do the following:

NOTE

- You cannot obtain DNS server addresses automatically through the DHCP server if you choose not to get the IP address via the DHCP server.

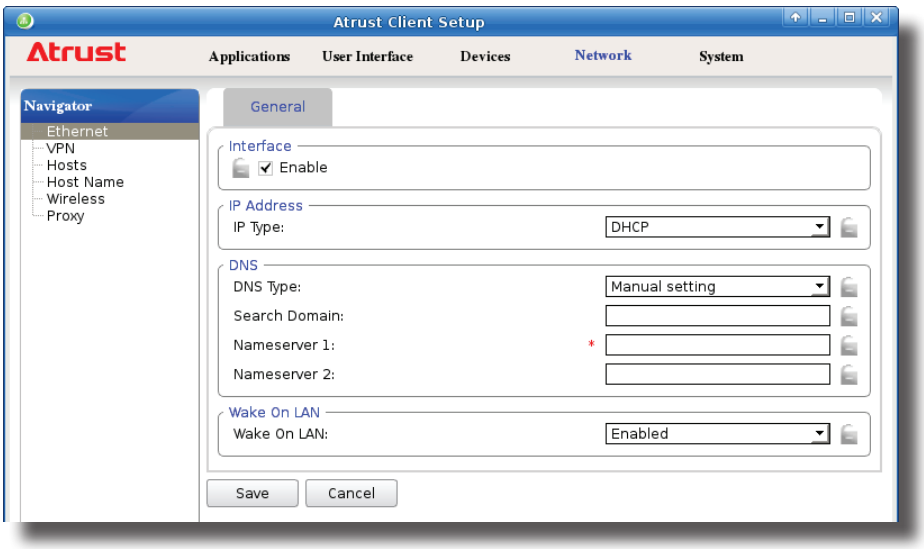
1. On Atrust Client Setup, click **Network** > **Ethernet**.
2. Under the DNS section, click the drop-down menu to select **Dynamic DNS (via DHCP)** for the DNS type field.
3. Click **Save** to apply.

Specifying DNS Server Addresses Manually

To specify DNS Server addresses manually, please do the following:

1. On Atrust Client Setup, click **Network** > **Ethernet**.
2. Under the DNS section, click the drop-down menu to select **Manual setting**.
3. The **Search domain**, **Nameserver 1**, and **Nameserver 2** fields appear in the DNS section.

> **NOTE**
>
> - If you choose to use a static IP address for your t180L/t180LB thin client, then you need to specify DNS server addresses manually. In this case, the DNS type field will not appear for you to select **Manual setting** or **Dynamic DNS (via DHCP)**.



4. Type in the preferred DNS server address in the Nameserver 1 field and the alternate DNS server address in the Nameserver 2 field if any.

> **NOTE**
>
> - Specifying a domain name in the Search Domain field will enable your system to discover a computer in that domain simply with its computer name rather than its FQDN (Fully Qualified Domain Name).

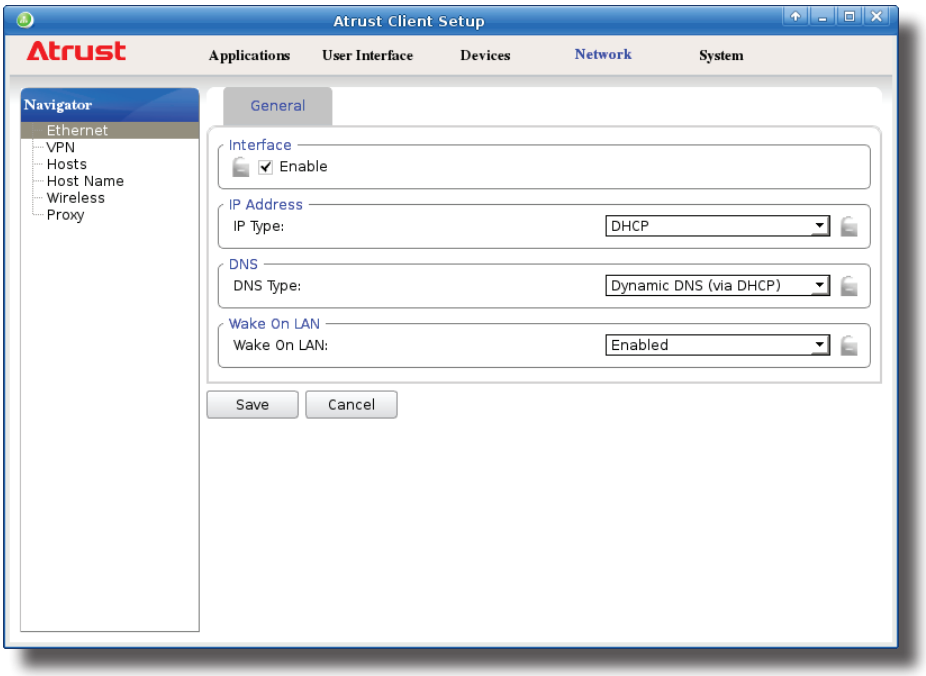
5. Click **Save** to apply.

4.5.4 Enabling or Disabling Wake On LAN

Your thin client supports Wake On LAN, enabling you to wake it up remotely with Atrust Device Manager, the client management console developed by Atrust.

To enable/disable Wake On LAN, please do the following:

1. On Atrust Client Setup, click **Network** > **Ethernet**.



2. Click the drop-down menu to enable/disable Wake On LAN.

NOTE

- It's enabled by default.

4.5.5 Establishing and Stopping a VPN connection

The **VPN** setting enables you to establish/stop a virtual private network connection for your t180L/t180LB.

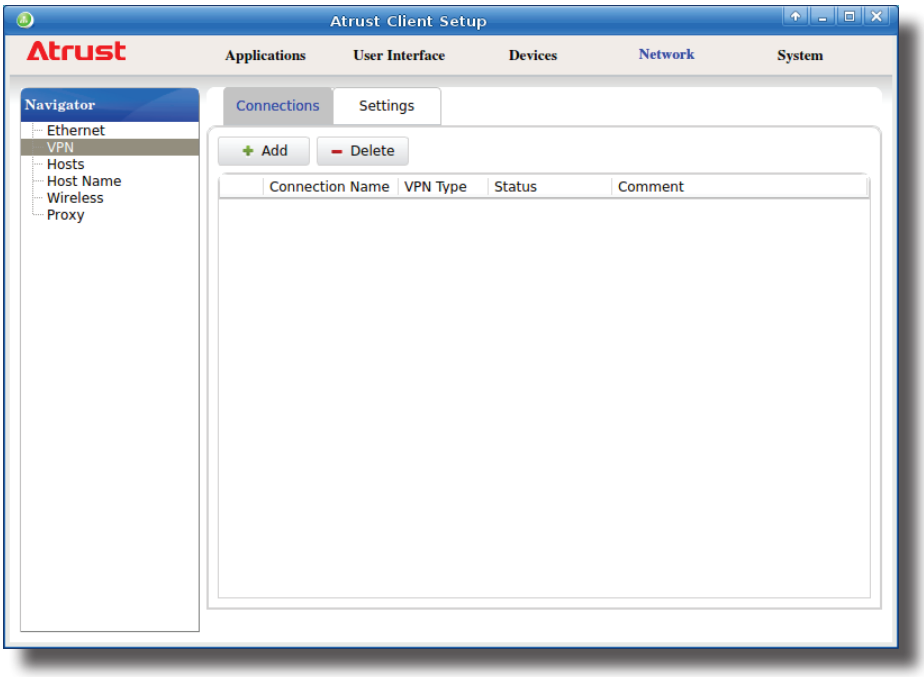
NOTE

- The **VPN** setting also allows you to configure and manage virtual private network settings. For instructions on how to configure and manage virtual private network settings, please refer to section "4.5.6 Configuring Virtual Private Network Settings" on page 100.

Adding a Virtual Private Network

To add a virtual private network, please do the following:

1. On Atrust Client Setup, click **Network** > **VPN** to open the Virtual Private Network list.

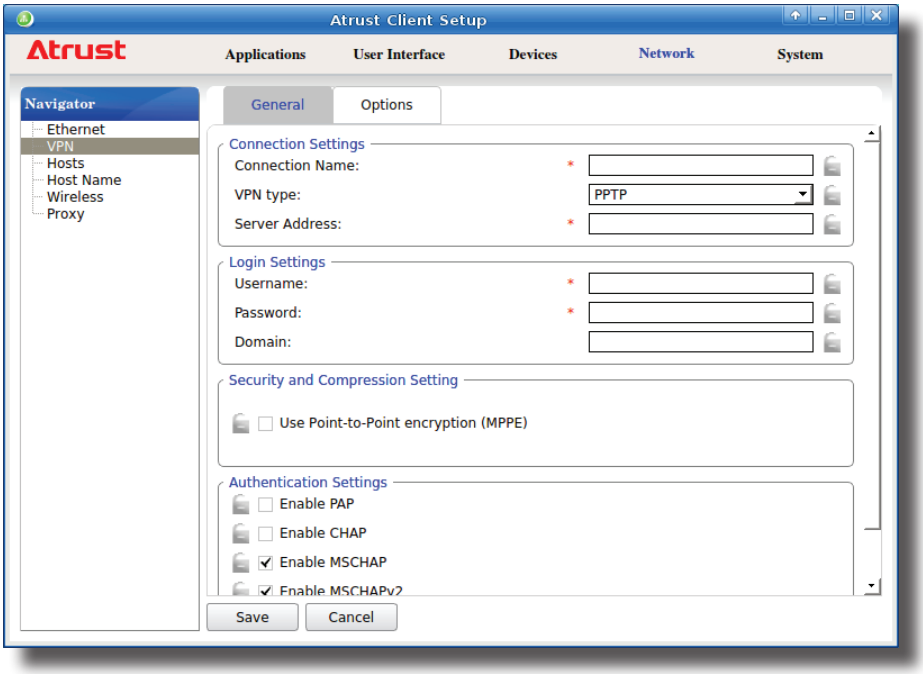


NOTE

- If you haven't created any entry, the Virtual Private Network list will be empty.

2. Click **Add** on the top of the Virtual Private Network list.

3. On **General** tab, click the drop-down menu to select the desired VPN type. Three types are available: **PPTP**, **L2TP**, and **Cisco AnyConnect**.



NOTE

- The setting items will vary with the selected VPN type.

4. Type in or click drop-down menus to provide information about configuration and authentication.

NOTE

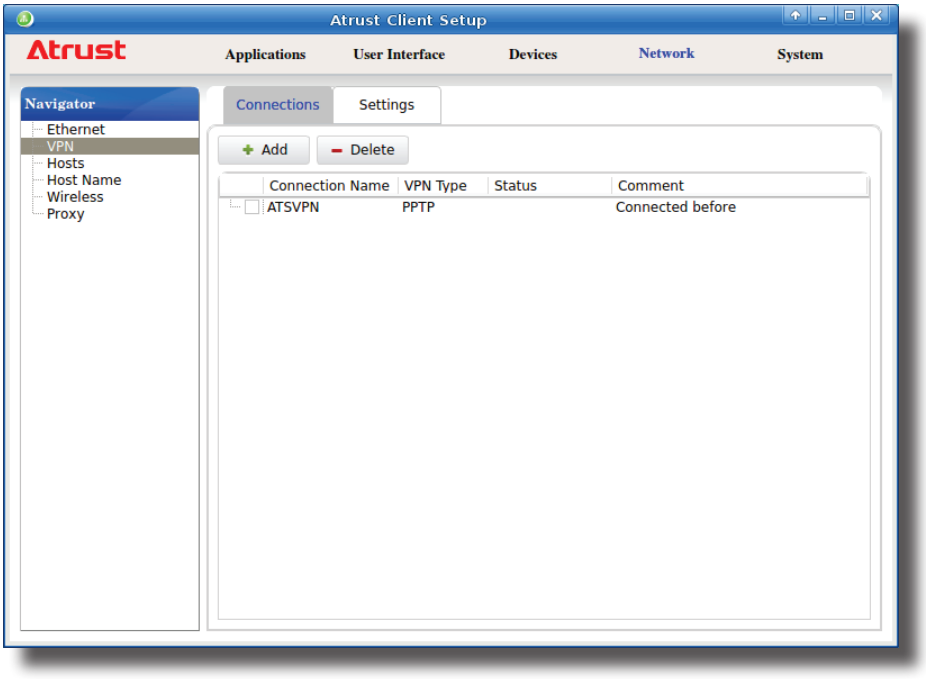
- Consult your network administrator for required information on configuration and authentication.

5. On **Options** tab, configure the DNS-related settings if needed.
6. Click **Save** to add the virtual private network.

Establishing a Virtual Private Network Connection

To establish a virtual private network connection for your t180L/t180LB, please do the following:

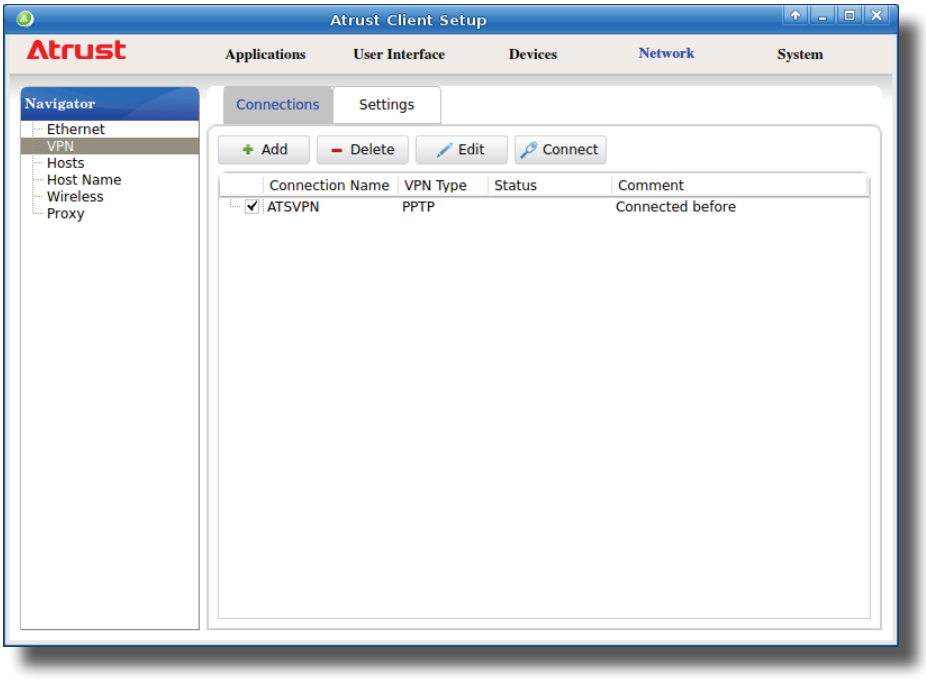
1. On Atrust Client Setup, click **Network** > **VPN** to open the Virtual Private Network list.



NOTE

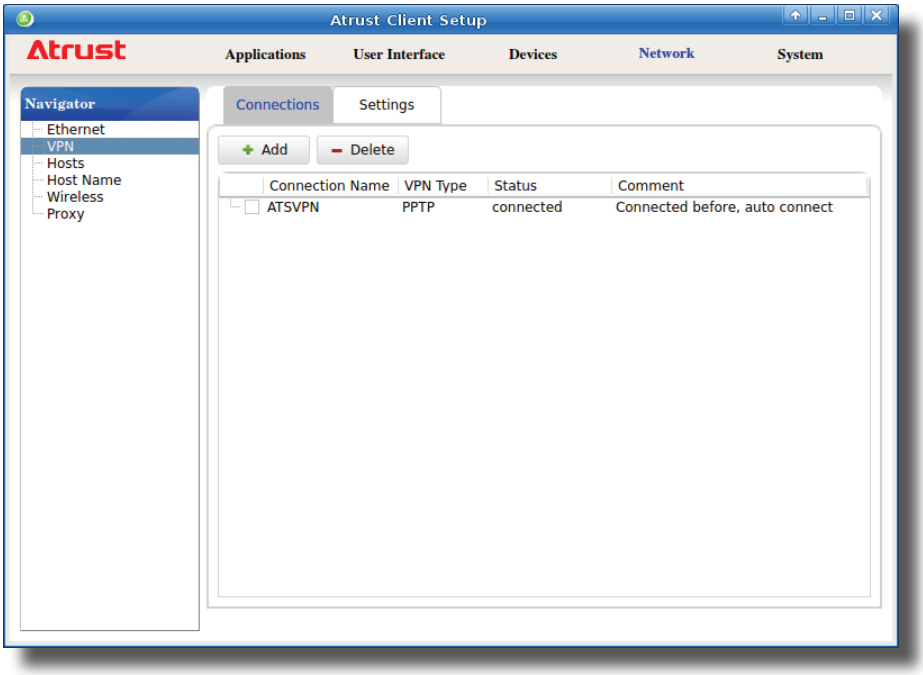
- If you haven't created any entry, the Virtual Private Network list will be empty. For instructions on adding a virtual private network, please see the preceding topic.

2. Click to check the desired virtual private network. The Connect button then appears on the top of the Virtual Private Network list.



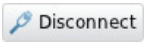
3. Click **Connect** to create a virtual private network connection through the selected network entry.

4. Upon completion, the Status column of the virtual private network will show **connected**.



Stopping a Virtual Private Network Connection

To stop a virtual private network connection, please do the following:

1. On Atrust Client Setup, click **Network** > **VPN** to open the Virtual Private Network list.
2. Click to check the desired virtual private network. The Disconnect  button appears on the top of the Virtual Private Network list.
3. Click **Disconnect** to stop the virtual private network connection.

Deleting a Virtual Private Network

To delete a virtual private network, please do the following:

1. On Atrust Client Setup, click **Network** > **VPN** to open the Virtual Private Network list.
2. Click to check the desired virtual private network.
3. Click **Delete** to remove the selected virtual private network.

4.5.6 Configuring Virtual Private Network Settings

Adjusting Connection settings for a Virtual Private Network

To adjust connection settings for a virtual private network, please do the following:

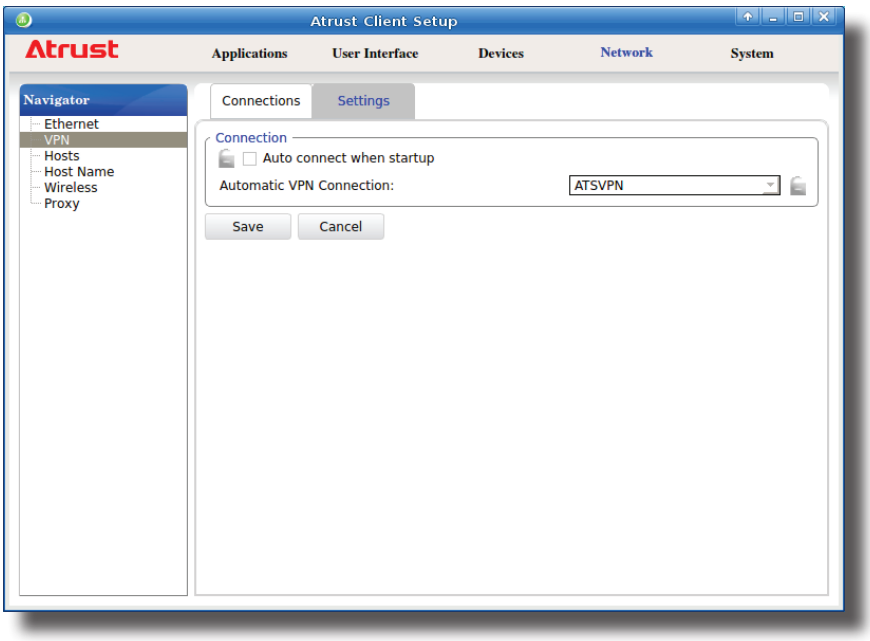
1. On Atrust Client Setup, click **Network** > **VPN** to open the Virtual Private Network list.
2. Click to check the desired virtual private network. The Edit

button appears on the top of the Virtual Private Network list.
3. Click **Edit** to adjust the settings, and then click **Save** to apply.

Configuring General Settings for Virtual Private Network Connections

To configure general settings for virtual private network connections, please do the following:

1. On Atrust Client Setup, click **Network** > **VPN**, and then click **Settings** sub-tab.



2. Under the Connection section, click to check/uncheck **Auto connect when startup** to allow/disallow automatic virtual private network connection after system startup. When this feature is enabled, select the desired virtual private network through the drop-down menu.

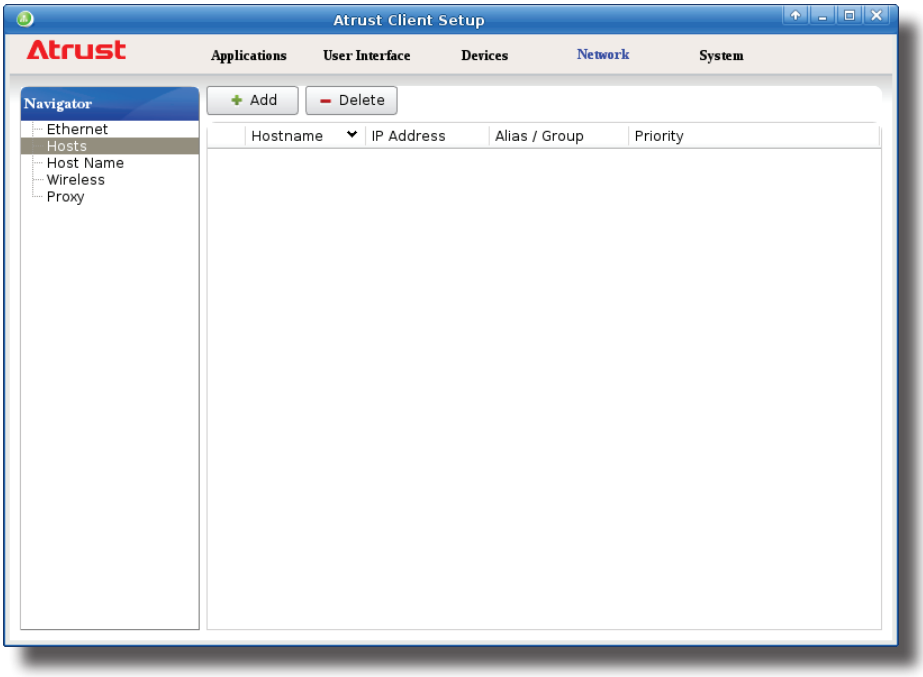
4.5.7 Creating the Mapping of IP Addresses to Names of Hosts

Atrust Client Setup allows you to use the name or alias of a host instead of its IP address wherever you need to specify an IP address while configuring client settings. To use this feature, first you need to create the mapping of IP addresses to names or aliases of hosts.

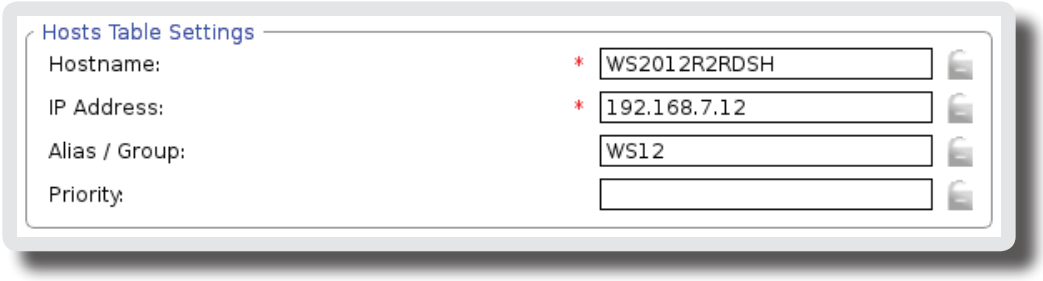
Creating the Mapping List

To create the mapping of IP addresses to names or aliases, please do the following:

1. On Atrust Client Setup, click **Network** > **Hosts** to open the Host list.



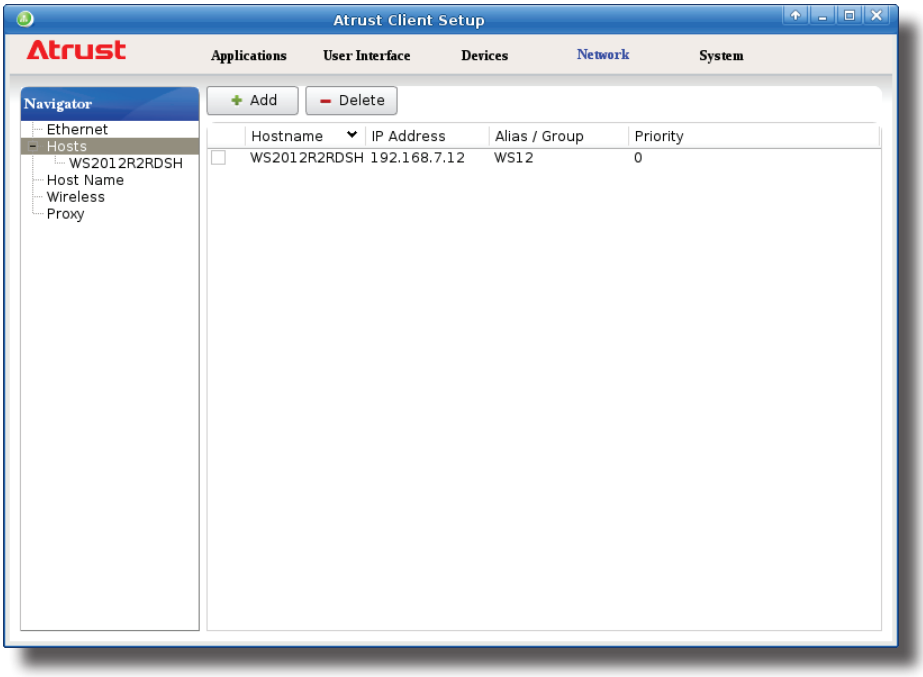
2. Click **Add** to start adding a new host entry.
3. Type in the name, IP address, alias of a host, leave the Priority field blank, and then click **Save** to apply.



NOTE

- If your host belongs to a domain, please don't enter the FQDN (Fully Qualified Domain Name) or ***full*** computer name in the Hostname field. Enter *only* the computer name of the host in this required field.
- You need to type a number in the Priority field ***only when*** creating a Failover Cluster list to allow host failover feature. For details, please refer to "4.5.8 Configuring the Failover Cluster List" on page 103.

4. The newly added entry appears in the Host list.



5. Repeat steps 2 through 3 to add another new entry.
6. Now you can use the name or alias of a host instead of its IP address wherever you need to specify an IP address on Atrust Client Setup while configuring client settings.

Managing the Mapping List

To manage the Mapping list, please do the following:

1. On Atrust Client Setup, click **Network** > **Hosts** to open the Host list.
2. Select to manage entries on the Host list.

   - To adjust the settings of an entry, double click the entry, or check off an entry, and then click the **Edit** button on the top of the Mapping list.
   - To delete an entry, check off the entry, and then click **Delete** on the top of the Mapping list.
   - To delete multiple entries, check off all the desired entries, and then click **Delete**. A window appears prompting for confirmation. Click **Yes** to confirm.

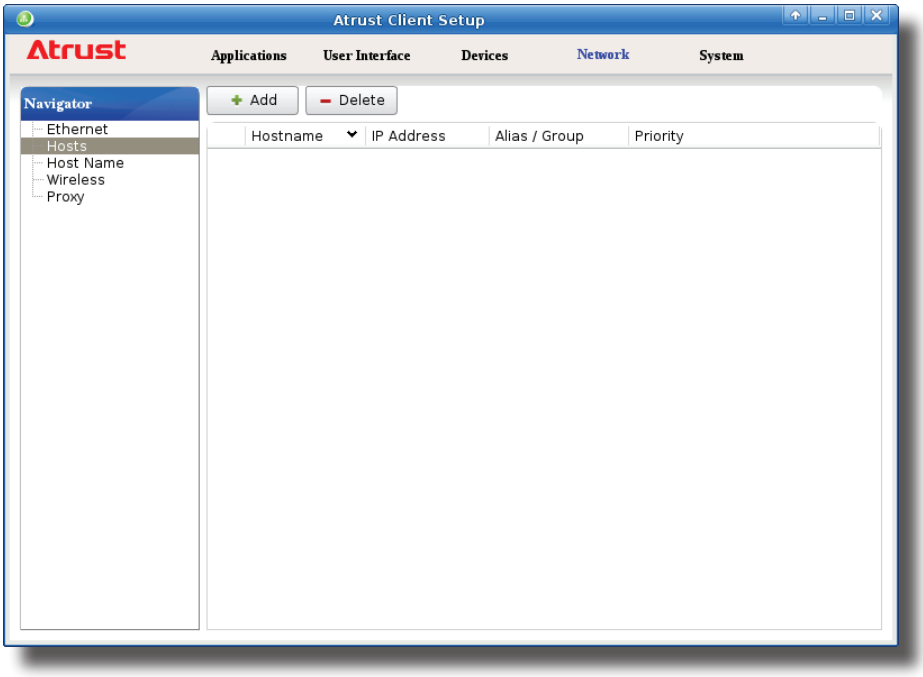
4.5.8 Configuring the Failover Cluster List

Atrust Client Setup allows you to create the Failover Cluster list, maintaining the high availability of services from that group of servers (failover cluster).

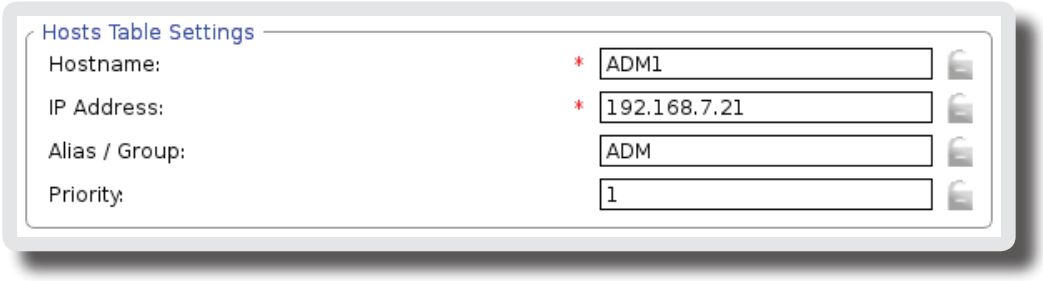
Creating the Failover Cluster List

To create a Failover Cluster list, please do the following:

1. On Atrust Client Setup, click **Network** > **Hosts** to open the Host list.



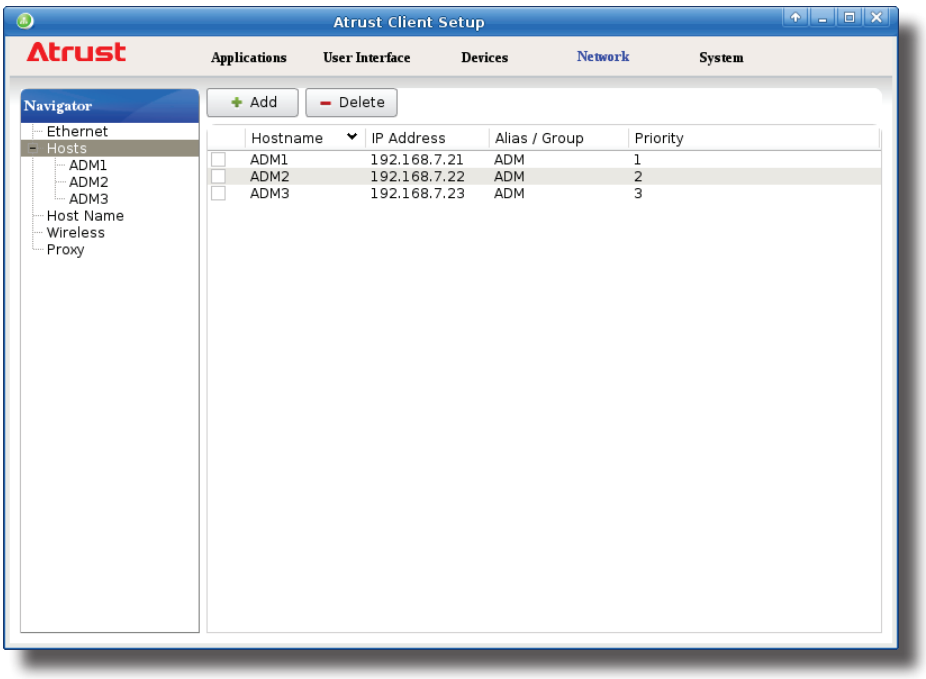
2. Click **Add** to start adding a new host entry.
3. Type in the name, IP address, alias and also cluster (group) name, priority order in the cluster (group), and then click **Save** to apply.



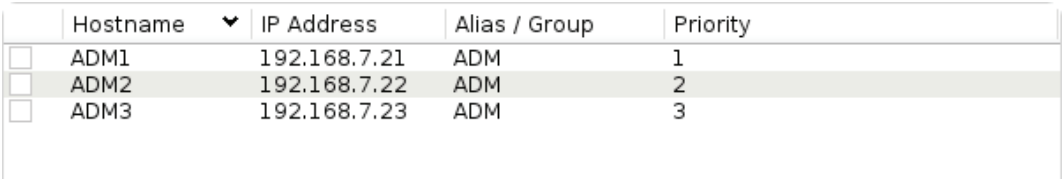
NOTE

- If your host belongs to a domain, please don't enter the FQDN (Fully Qualified Domain Name) or ***full*** computer name in the Hostname field. Enter *only* the computer name of the host in this required field.

4. Repeat steps 2 though 3 to add another new entry.
5. All added entries appear on the Host list.



6. Your t180L/t180LB will follow the given priority order while connecting to this failover cluster (group).



Managing the Failover Cluster List

To manage the Host list, please do the following:

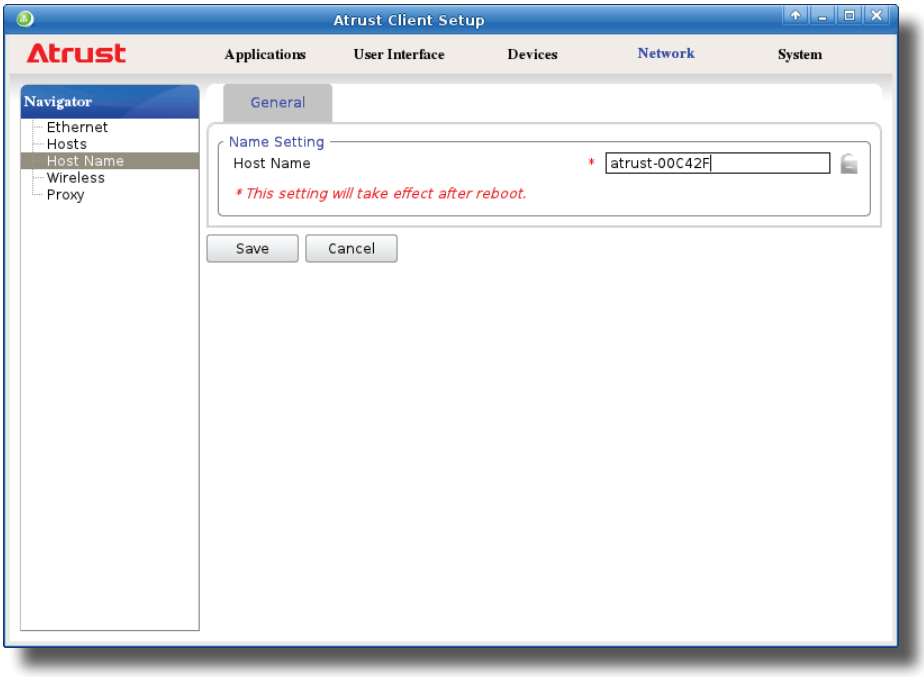
1. On Atrust Client Setup, click **Network** > **Hosts** to open the Host list.
2. Select to manage entries on the Host list.

   - To adjust the settings of an entry, double click the entry, or check off an entry, and then click the **Edit** button on the top of the Host list.
   - To delete an entry, check off the entry, and then click **Delete** on the top of the Host list.
   - To delete multiple entries, check off all the desired entries, and then click **Delete**. A window appears prompting for confirmation. Click **Yes** to confirm.

4.5.9 Changing the Host Name of Your Thin Client

To change the host name of your thin client, please do the following:

1. On Atrust Client Setup, click **Network** > **Host Name**.
2. Change the default host name of your thin client.



3. Click **Save** to confirm.
4. A restart is required for the change to take effect.

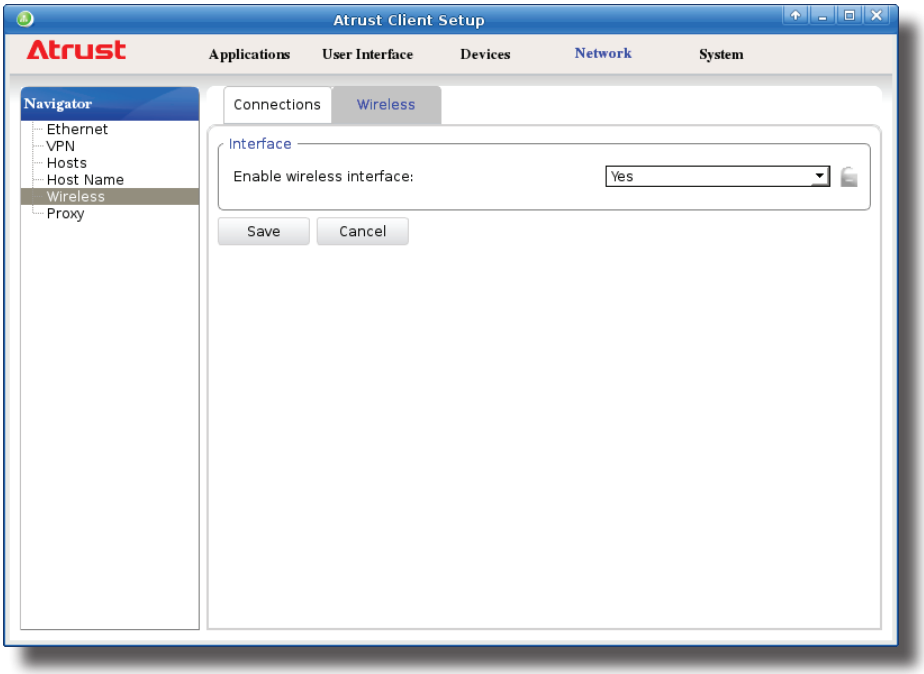
4.5.10 Enabling or Disabling the Wireless Interface

To enable or disable the wireless interface, please do the following:

NOTE

- By default, the wireless interface is ***enabled***. But before you can access available wireless networks, you need to install an external and USB-based wireless network adapter for your t180L. Ensure that you have set up the required adapter.
- Your t180L package may not include a wireless network adapter (***optional***). Please contact your dealer for compatible adapters if needed. It's recommended to check with your dealer ***first*** if you plan to purchase one by yourself.

1. On Atrust Client Setup, click **Network** > **Wireless**, and then click **Wireless** sub-tab.

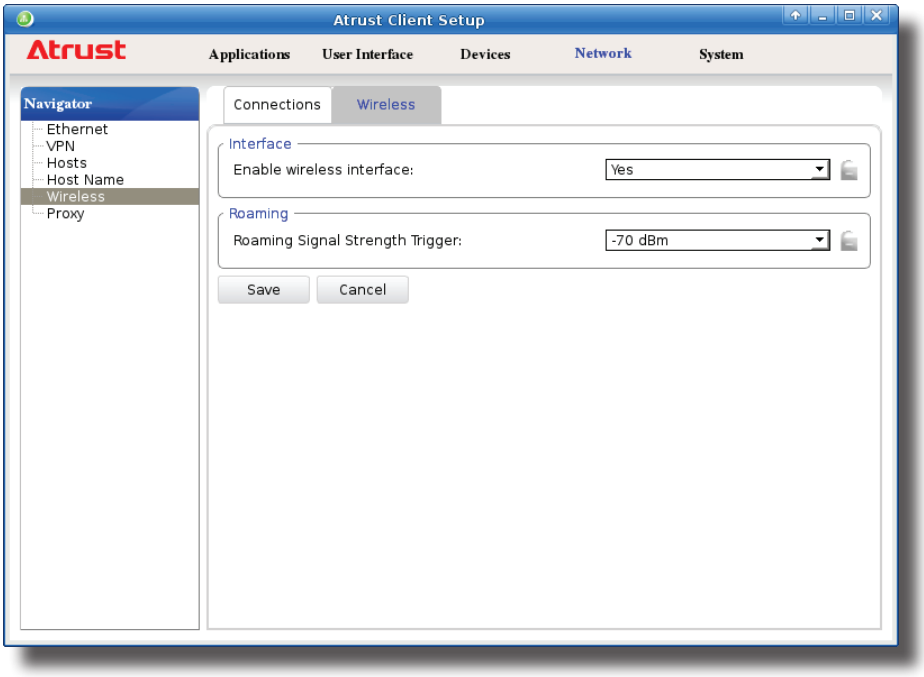


2. Under the Interface section, click the drop-down menu to enable / disable the wireless network interface.
3. Click **Save** to apply.

4.5.11 Configuring the Trigger Threshold for Roaming

To configure the roaming trigger threshold for your wireless connection, please do the following:

1. On Atrust Client Setup, click **Network** > **Wireless**, and then click **Wireless** sub-tab.



2. Under the Roaming section, click the drop-down menu to choose the desired trigger threshold.

> **NOTE**
>
> - To disable wireless roaming, you can choose **No roaming** here.

3. Click **Save** to apply.

4.5.12 Establishing and Stopping a Wireless Connection

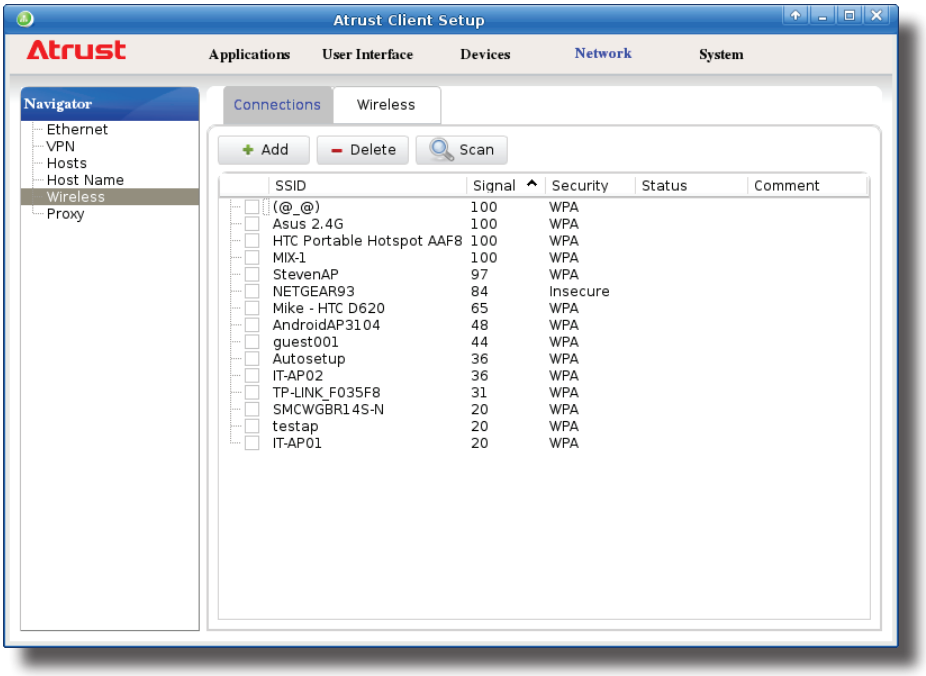
NOTE

- Before you can access available wireless networks, you need to install an external and USB-based wireless network adapter for your t180L. Ensure that you have set up the required wireless network adapter.
- Your t180L package may not include a wireless network adapter (***optional***). Please contact your dealer for compatible adapters if needed. It's recommended to check with your dealer ***first*** if you plan to purchase one by yourself.

Establishing a Wireless Network Connection

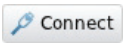
To establish a wireless network connection for your t180L/t180LB thin client, please do the following:

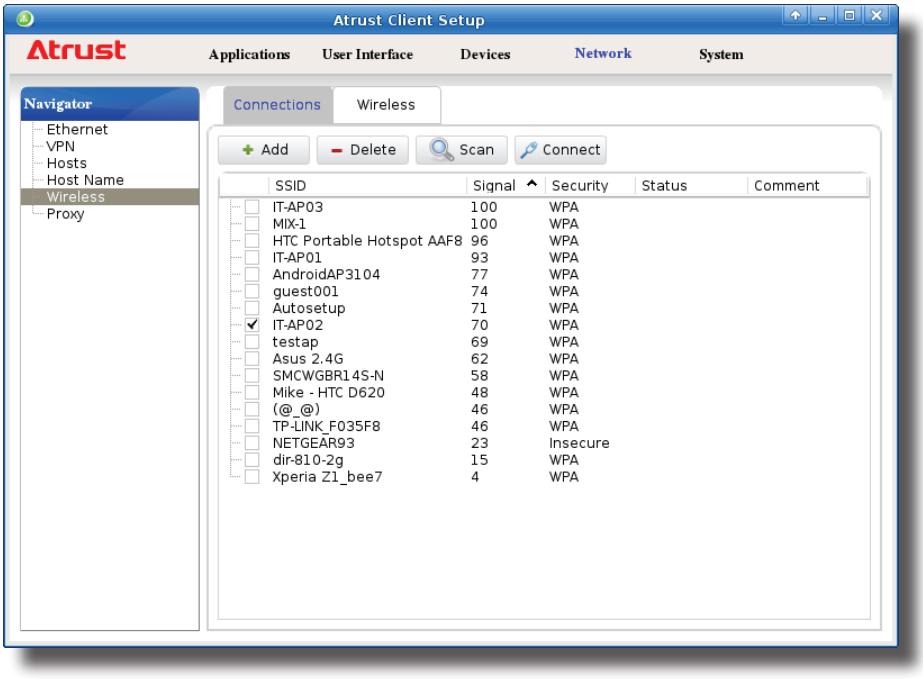
1. On Atrust Client Setup, click **Network** > **Wireless** to open the Wireless Network list.



NOTE

- Your t180L/t180LB will perform network discovery ***once*** and specify all available wireless networks. To refresh, click **Scan** on the top of the Wireless Network list.

2. Click to check the desired wireless network. The Connect  button then appears on the top of the Wireless Network list.

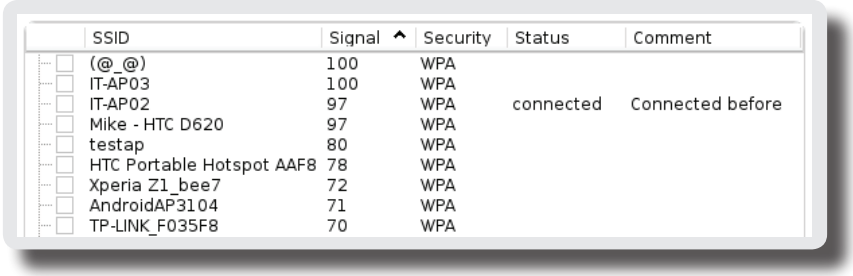


3. Click **Connect** to create a wireless network connection through the selected wireless network.
4. A window appears prompting for confirmation or authentication.

NOTE

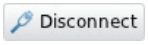
- If you ever accessed this wireless network before, the password will be automatically recorded for future access. In this case, you don't need to provide the password again; you only need to confirm the establishment of a wireless connection.
- Consult your network administrator for required information on authentication.

5. Type in the required password, and then click **Connect** to continue. Or, click **OK** to confirm the establishment of a wireless connection.
6. Upon completion, the Status column of the wireless network will show **connected**.



Stopping a Wireless Network Connection

To stop a wireless network connection, please do the following:

1. On Atrust Client Setup, click **Network** > **Wireless** to open the Wireless Network list.
2. Click to check the desired wireless network. The Disconnect  button appears on the top of the Wireless Network list.
3. Click **Disconnect** to stop the wireless network connection.

Adding a Wireless Network

In case that you cannot find the desired wireless network in the Wireless Network list, you can manually add it.

To add a wireless network to the Wireless Network list, please do the following:

1. On Atrust Client Setup, click **Network** > **Wireless** to open the Wireless Network list.
2. Click **Add** on the top of the Wireless Network list.
3. On the opened window, type the wireless network name (SSID), select the used wireless security method, and then provide the required information.

4. Click **Connect** to create a wireless connection.

> **NOTE**
>
> - For instructions on how to configure the IP address settings, please refer to section "4.5.3 Configuring Wired Network Settings" on page 92.
> - The default is to use a dynamic IP address assigned by the DHCP server.

5. Upon completion, the added wireless network will be shown on the Wireless Network list and **connected** will be shown on its Status column.

Deleting a Wireless Network

To delete a wireless network, please do the following:

1. On Atrust Client Setup, click **Network** > **Wireless** to open the Wireless Network list.
2. Click to check the desired wireless network, and then click **Delete** to remove the selected wireless network.

> **NOTE**
>
> - Your t180L/t180LB detects available wireless networks automatically and put the discovered networks on the Wireless Network list. A deleted wireless network may therefore appear again on the list, but the connection settings, including the stored authentication data, will be removed.

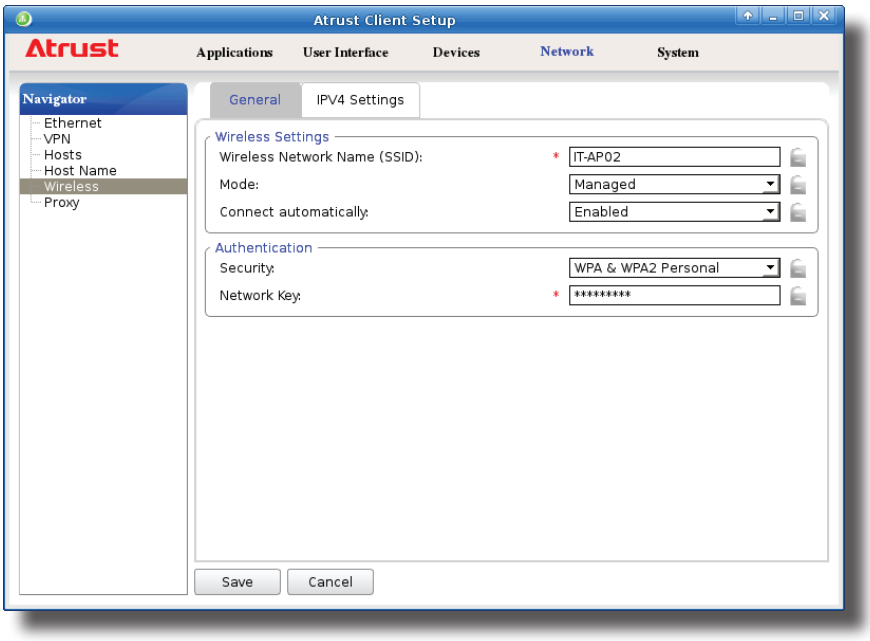
4.5.13 Configuring Wireless Connection Settings

Adjusting Connection settings for a Wireless Network

To adjust connection settings for a wireless network, please do the following:

1. On Atrust Client Setup, click **Network** > **Wireless** to open the Wireless Network list.
2. Click to check the desired wireless network which is currently connected. The Edit

button appears on the top of the Wireless Network list.
3. Click **Edit** to adjust the settings:



- On the General tab, click the drop-down menu to configure the automatic connection when this wireless network is in range and other connection settings.

> **NOTE**
>
> - By default, your client will connect to a wireless network automatically if it ever connected to that network successfully.

- On the IPV4 Settings tab, click the drop-down menu or type values in fields to configure IP settings.

> **NOTE**
>
> - For instructions on how to configure connection settings on the General tab, please see section "4.5.12 Establishing and Stopping a Wireless Connection" on page 108. For instructions on how to configure IP address settings on the IPV4 Settings tab, please see section "4.5.3 Configuring Wired Network Settings" on page 92.

4. Click **Save** to apply.

4.5.14 Configuring Proxy Settings for Web-based Access to Services

To configure proxy settings for Web-based access to services, please do the following:

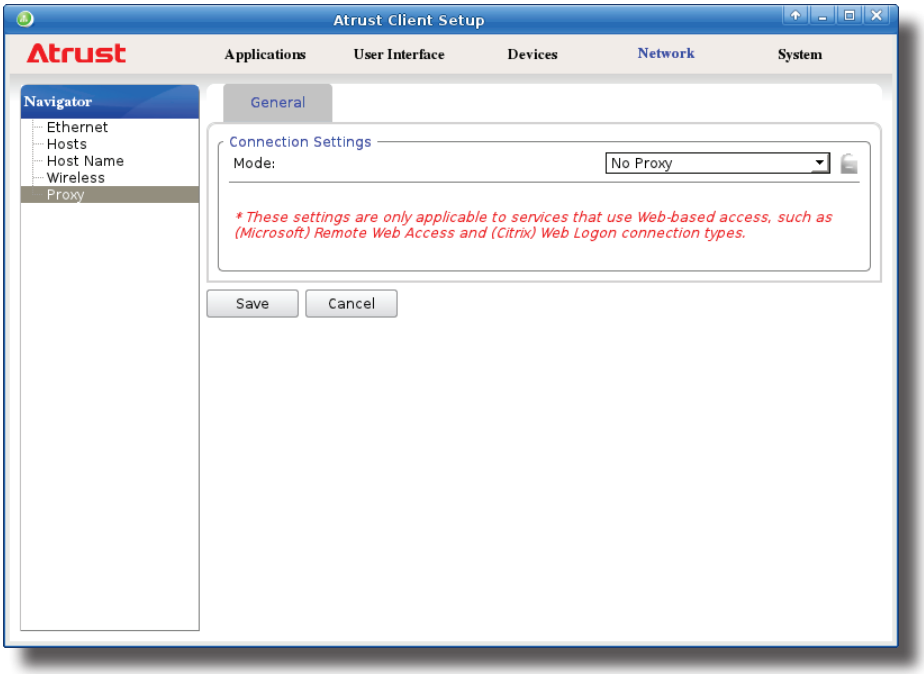
NOTE

- Settings available here are only applicable to services that use Web-based access, such as (Microsoft) Remote Web Access and (Citrix) Web Logon connection types.

1. On Atrust Client Setup, click **Network** > **Proxy**.
2. Click the Mode drop-down menu to select the desired configuration mode. Four modes are available: **No Proxy**, **Auto-detect proxy settings**, **Manual proxy configuration**, and **Auto proxy configuration**.

NOTE

- The setting items will vary with the selected mode.



3. Provide the data as required. Please refer to the following table for a description of each setting item.

<table>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Mode</td><td>Click to select the desired proxy configuration mode.

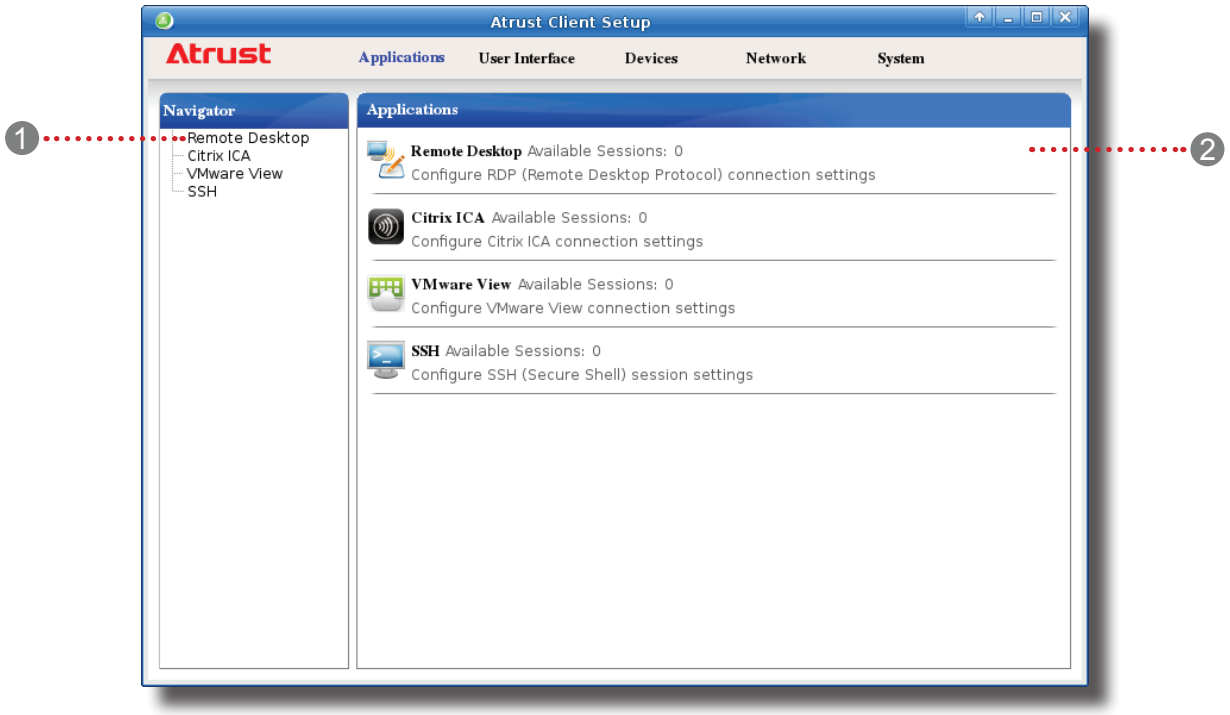
<table><tr><th>Mode</th><th>Description</th></tr><tr><td>No Proxy</td><td>Don’t use any proxy server.</td></tr><tr><td>Auto-detect proxy settings</td><td>Detects the proxy settings for your network automatically.</td></tr><tr><td>Manual proxy configuration</td><td>Configures the proxy settings manually.</td></tr><tr><td>Auto proxy configuration</td><td>Loads proxy settings automatically through the connection to a proxy configuration file.</td></tr></table></td></tr>
<tr><td colspan="2">Mode: Manual proxy configuration</td></tr>
<tr><td>HTTP Proxy</td><td>Provides the IP address of your HTTP proxy server.</td></tr>
<tr><td>Port</td><td>Provides the port number which your HTTP proxy server uses.</td></tr>
<tr><td>No Proxy for</td><td>Provides No Proxy list.
Don’t use any proxy server while connecting to the specified URLs.</td></tr>
<tr><td colspan="2">Mode: Auto proxy configuration</td></tr>
<tr><td>URL</td><td>Provides the URL of a proxy configuration file where proxy settings can be loaded through the network.</td></tr>
</table>

4.6 Configuring Service Access Settings

4.6.1 Applications Tab Overview

Applications tab enables you to configure settings for service access on clients. To access available settings of **Applications** tab, click the tab on Atrust Client Setup.

Applications Tab Overview



Interface Elements		
No.	**Name**	**Description**
1	Navigation area	Click to select a setting item under **Applications** tab or to select a setting entry under a selected setting item.
2	Configuration area	Configures setting values when a setting item or entry is selected.

4.6.2 Available Settings at a Glance

Tab	Setting	Icon	Description	Section	Page
Applications	Remote Desktop		Click to configure RDP (Remote Desktop Protocol) connection settings and create shortcuts on the local desktop and START menu for Remote Desktop sessions.	4.6.3 4.6.4 4.6.5	116 125 131
	Citrix ICA		Click to configure ICA (Independent Computing Architecture) connection settings and create shortcuts on the local desktop and START menu for ICA sessions.	4.6.6 4.6.7 4.6.8 4.6.9 4.6.10 4.6.11	146 159 160 161 162 169
	VMware View		Click to configure VMware View connection settings and create shortcuts on the local desktop and START menu for View sessions.	4.6.12 4.6.13 4.6.14	198 200 202
	SSH		Click to configure SSH (Secure SHell) connection settings and create shortcuts on the local desktop and START menu for SSH sessions.	4.6.15 4.6.16	207 209

4.6.3 Configuring Basic RDP Connection Settings

The **Remote Desktop** setting allows you to configure RDP (Remote Desktop Protocol) connection settings and create shortcuts on the local desktop and START menu for service access. You can access remote desktops or applications for work simply through these shortcuts.

NOTE

- For more information on Mirosoft Remote Desktop services, please visit Microsoft website at www.microsoft.com.

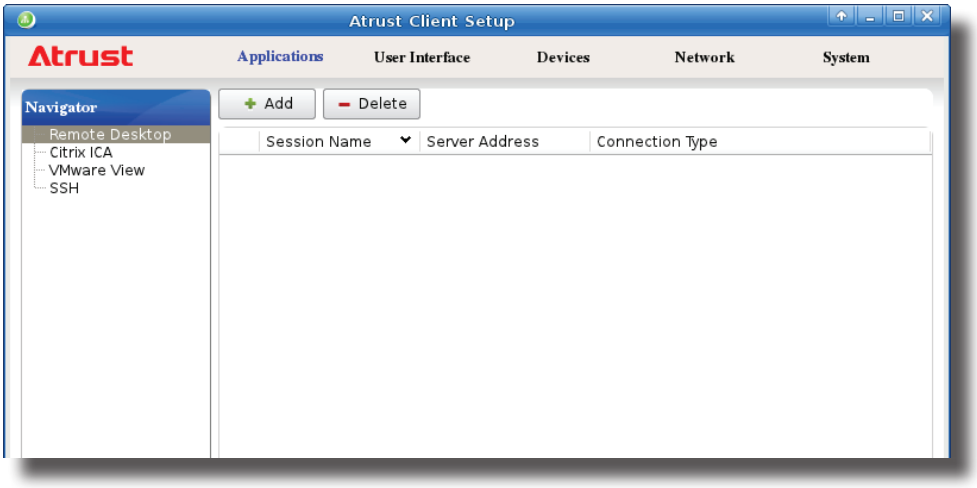
Three connection types are available:

Connection Type	Description	Page
Remote Desktop	Select to access remote desktop/application services.	117
Remote Web Access	Select to access remote application services through a Web browser.	119
Web Feed	Select to access remote application services through published desktop shortcuts.	121

Connection Type: Remote Desktop

To quickly configure RDP connection settings for the Remote Desktop connection type, please do the following:

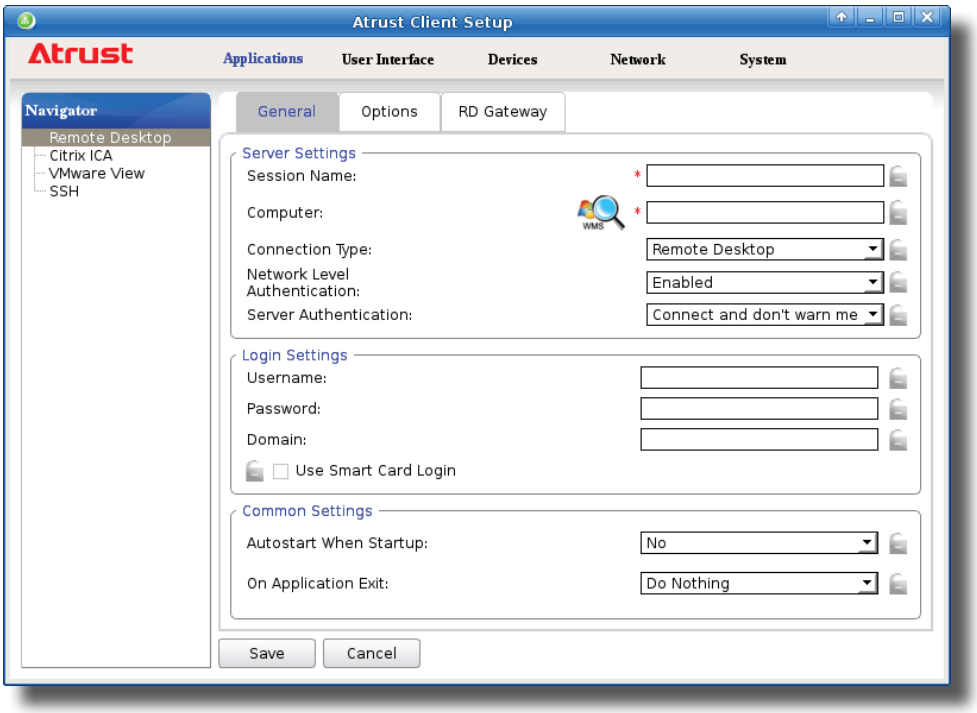
1. On Atrust Client Setup, Click **Applications** > **Remote Desktop**.
2. The RDP Connection list appears in the Configuration area.



NOTE

- If you haven't created any entry, the RDP Connection list will be empty.

3. Click **Add** on the top of the RDP Connection list to create a new entry of RDP connection.



4. On **General** sub-tab, type in the session name and the server/virtual machine address under the Server Settings section.

NOTE

- The red asterisks indicate the required fields.
- The remote service-hosted computer can be a physical server or a virtual machine. Please visit Microsoft's websites at www.microsoft.com or support.microsoft.com for more information.
- t180L/t180LB supports up to two Remote Desktop sessions at the same time.
- Windows® RemoteFX™ is the technology that offers a rich user experience over a network for remote desktop users.

NOTE

- To create an entry of RDP connection settings for MultiPoint™ Remote Desktop sessions, please do the following:

  1. In the Server Settings section, click

to start discovering MultiPoint™ Server systems over your network.
  2. In the opened window, click the drop-down menu to select the desired server, and then click **OK** to confirm.
  3. The name and IP address of the selected server will be filled out in the corresponding fields automatically.

- The default session name will be the name of the selected MultiPoint host server, but you still can change the default.
- Windows® MultiPoint™ Server is a shared resource technology. This Windows-based operating system enables a host server to power multiple and independent stations, allowing users to share the computing power of one single server. Based on this operating system, Atrust offers a complete solution including both servers and clients. For more information, please visit our website at www.atrustcorp.com.

5. Click **Save** to add this RDP connection entry.
6. The shortcuts for Remote Desktop services are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced RDP connection settings for service access. For more information on other available settings, please refer to section "4.6.5 Configuring Advanced RDP Connection Settings" on page 131.

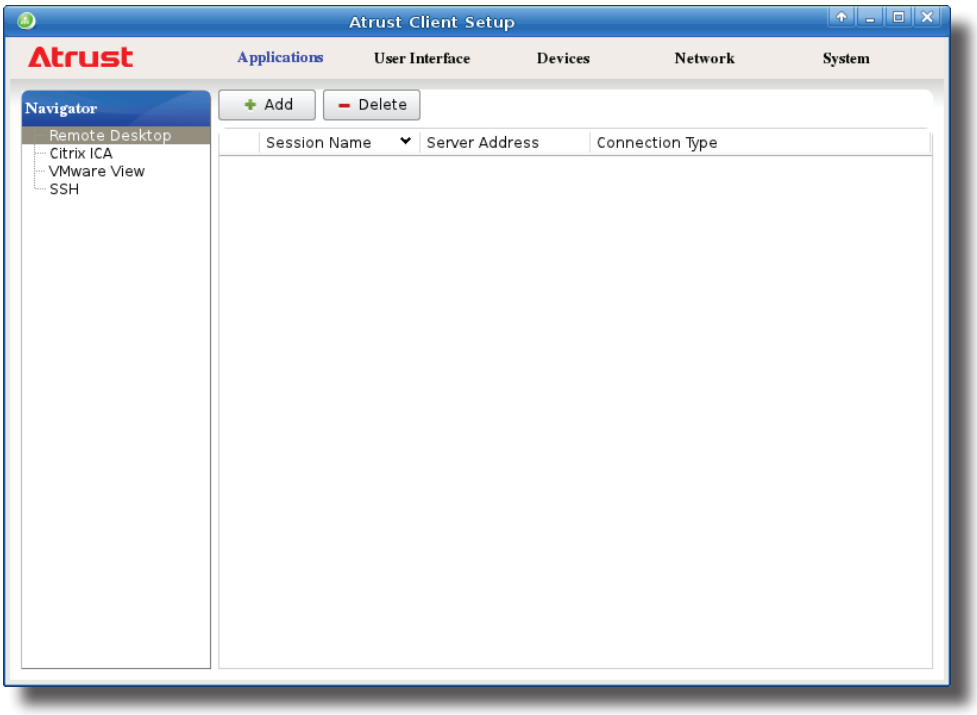
Connection Type: Remote Web Access

To quickly configure RDP connection settings for the Remote Web Access connection type, please do the following:

NOTE

- Atrust t180L/t180LB supports only RD Web Access based on Windows Sever 2012 R2; Windows Server 2008 R2 based is not supported.

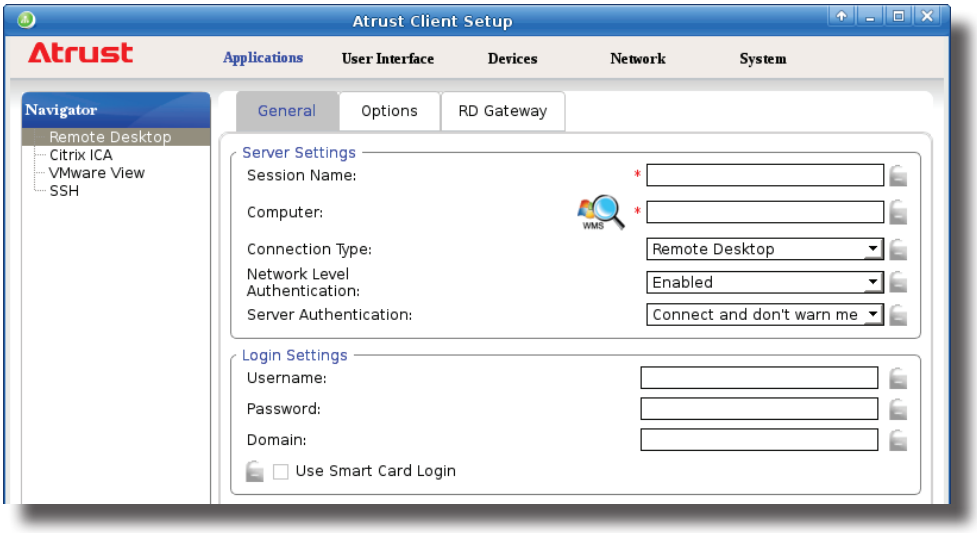
1. On Atrust Client Setup, Click **Applications** > **Remote Desktop**.
2. The RDP Connection list appears in the Configuration area.



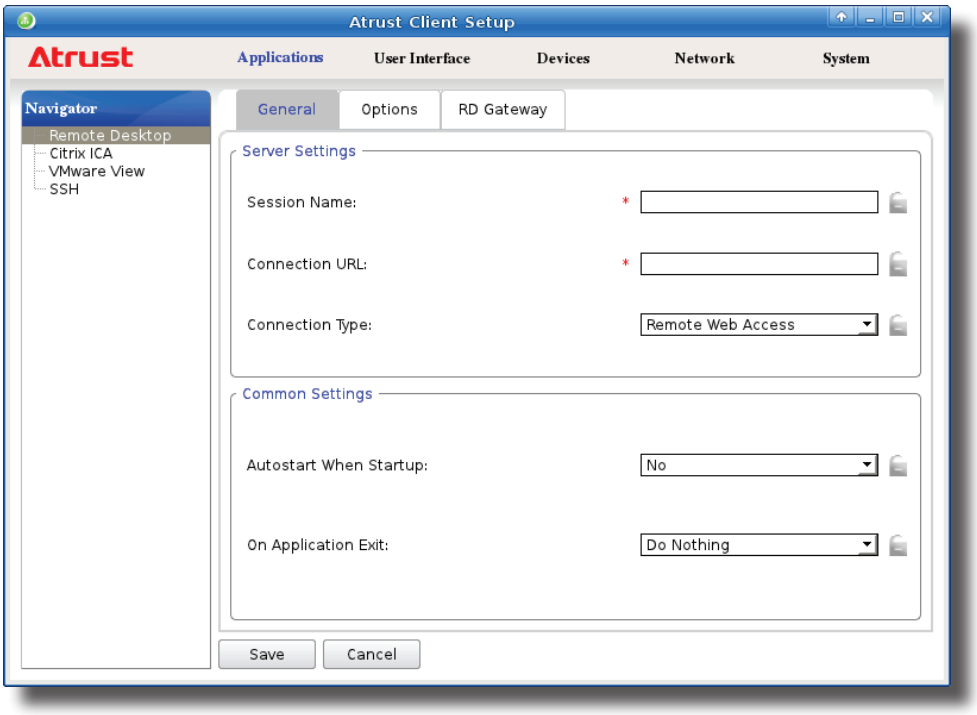
NOTE

- If you haven't created any entry, the RDP Connection list will be empty.

3. Click **Add** on the top of the RDP Connection list to create a new entry of RDP connection.



4. On **General** sub-tab, click the Connection Type drop-down menu to select **Remote Web Access**.



5. Type in the session name and connection URL through which Web-based remote applications is accessible.

> **NOTE**
>
> - The red asterisks indicate the required fields.
> - Consult your IT administrator about the appropriate connection URL.

6. Click **Save** to add this RDP connection entry.
7. The shortcuts for Remote Web Access are automatically created on the local desktop and START menu.

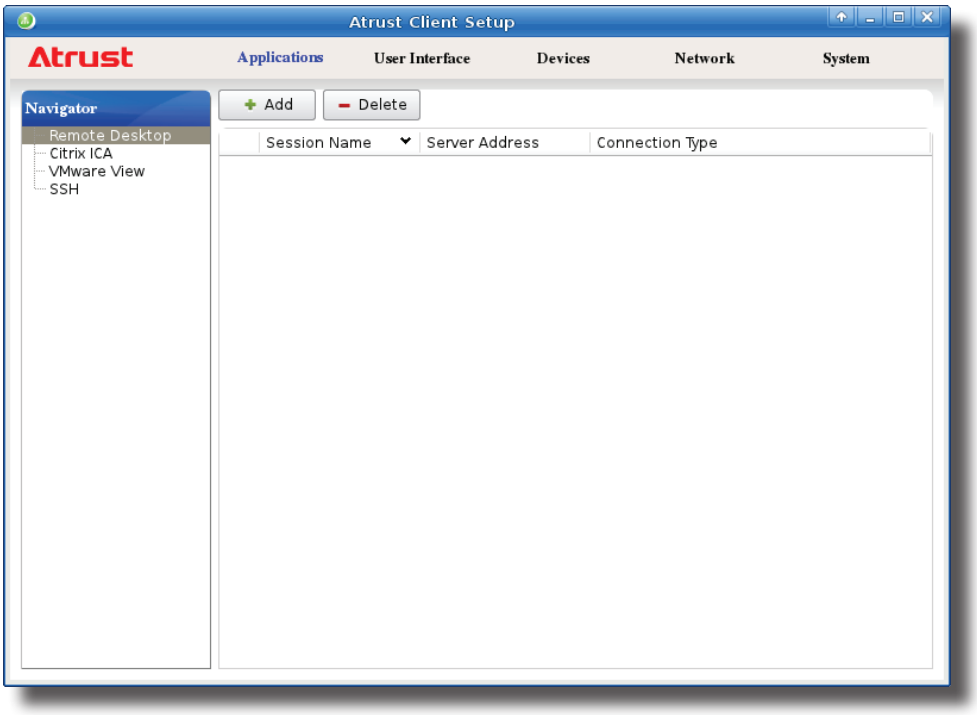
Connection Type: Web Feed

To quickly configure RDP connection settings for the Web Feed connection type, please do the following:

NOTE

- Atrust t180L/t180LB supports only RD Web Feed based on Windows Sever 2012 R2; Windows Server 2008 R2 based is not supported.

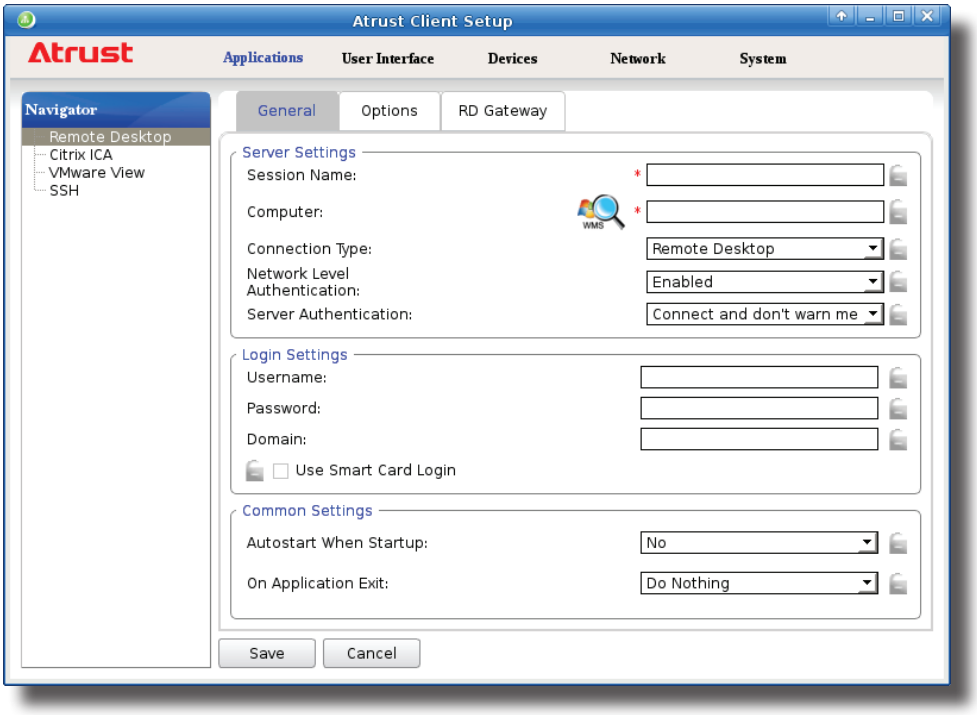
1. On Atrust Client Setup, Click **Applications** > **Remote Desktop**.
2. The RDP Connection list appears in the Configuration area.



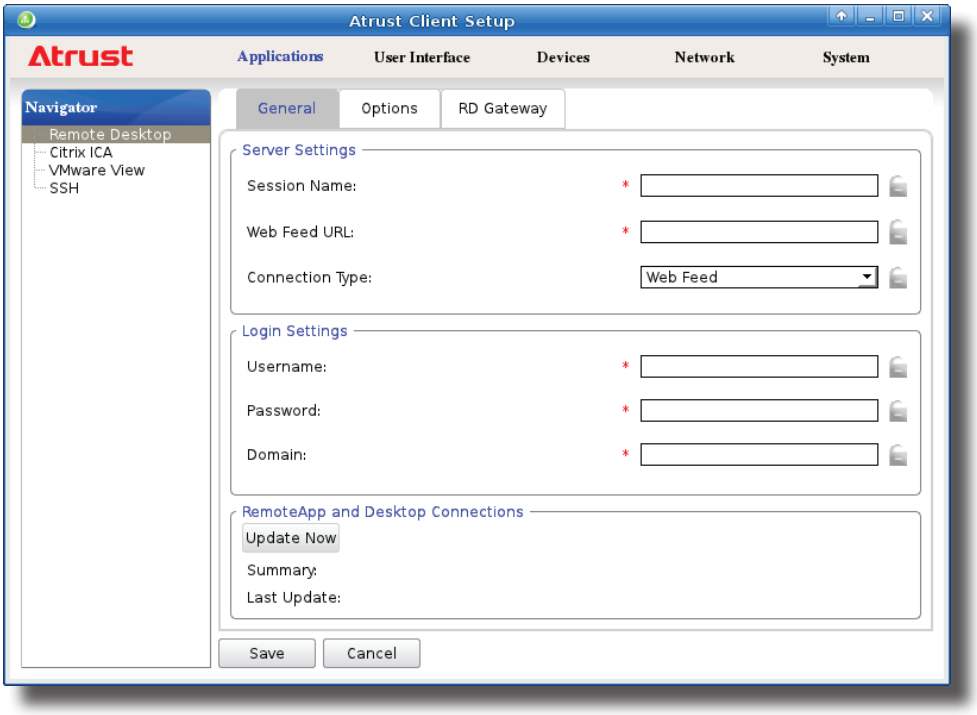
NOTE

- If you haven't created any entry, the RDP Connection list will be empty.

3. Click **Add** on the top of the RDP Connection list to create a new entry of RDP connection.



4. On **General** sub-tab, click the Connection Type drop-down menu to select **Web Feed**.

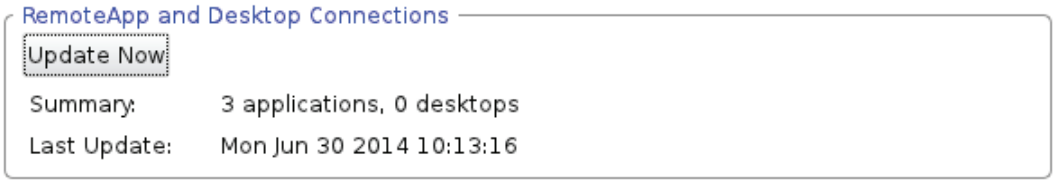


5. Type in the session name, Web Feed URL through which remote applications is accessible, and your credentials for Web Feed.

NOTE

- The red asterisks indicate the required fields.
- Consult your IT administrator about the appropriate Web Feed URL.

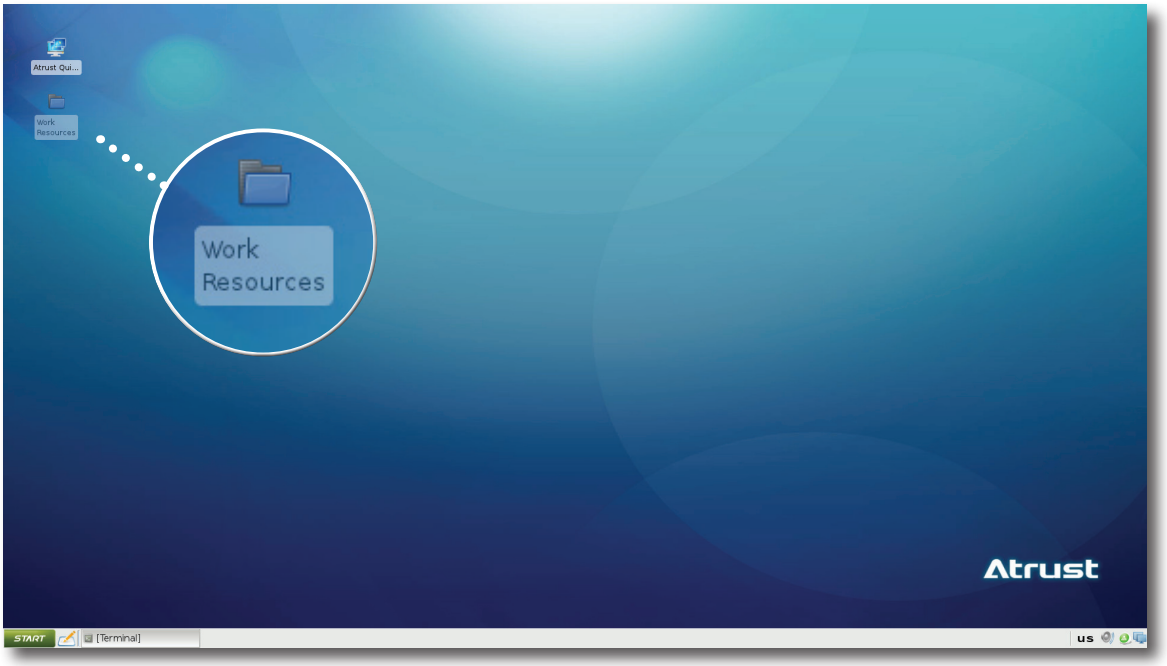
6. Click **Update Now** in the RemoteApp and Desktop Connections section. After completion, the result will be shown as below in that section.



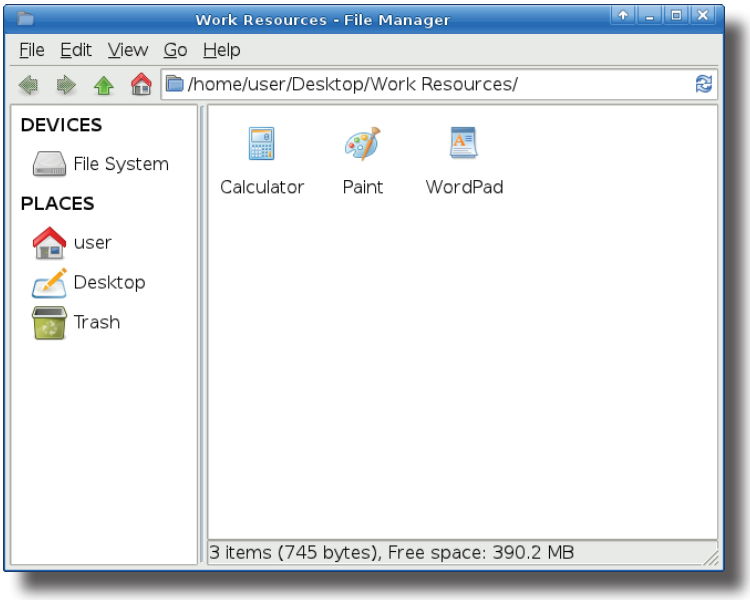
NOTE

- You can and need to use **Update Now** to refresh the Web Feed summary if there are newly published applications. Otherwise, new applications will not be accessible.

7. Click **Save** to add this RDP connection entry.
8. A folder named **Work Resources** with access shortcuts will be automatically created on the local desktop.



9. Access shortcuts for available applications can be found in that folder.



NOTE

- You need to use **Update Now** described in Step 6 to refresh the Web Feed if there are newly published applications. Otherwise, new applications will not be shown.

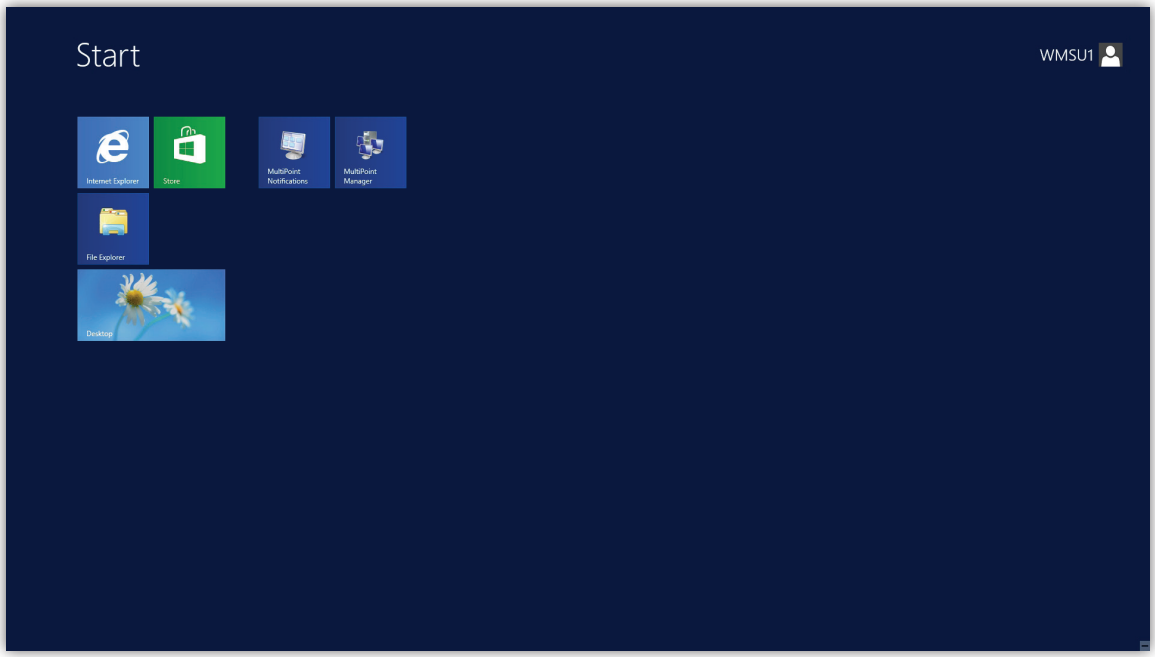
4.6.4 Accessing Remote Desktop Services

Connection Type: Remote Desktop

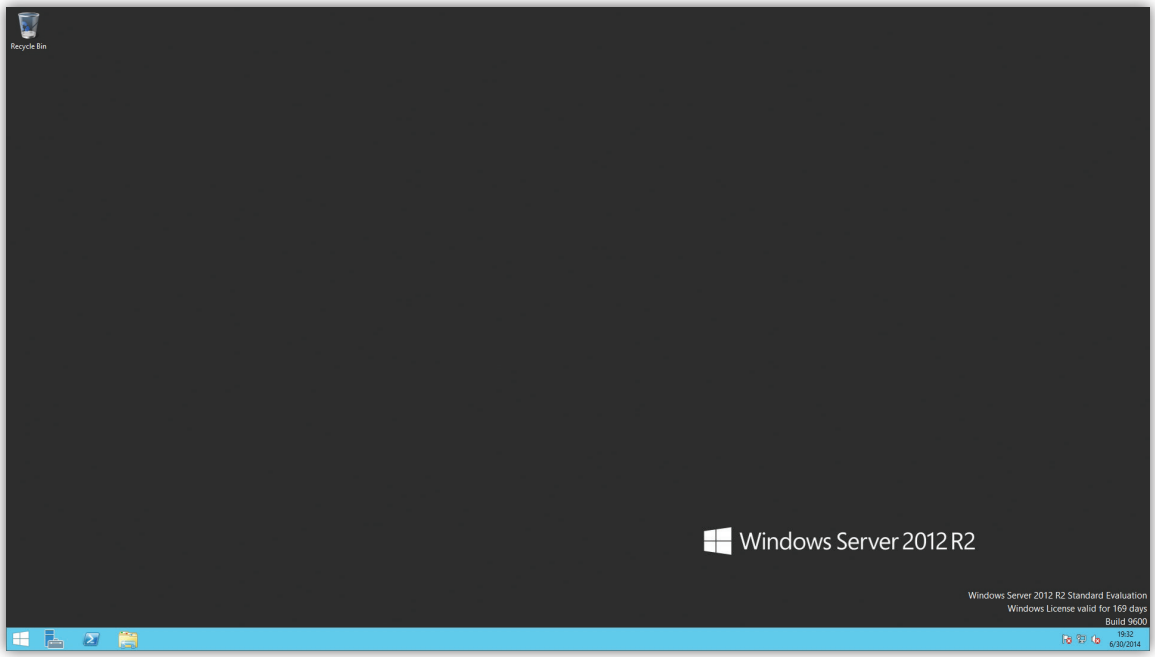
To access remote desktops, please do the following:

1. Double click the created shortcut on the desktop.
2. Follow the on-screen instructions and provide required credentials if needed.
3. The remote desktop will be displayed on the screen.

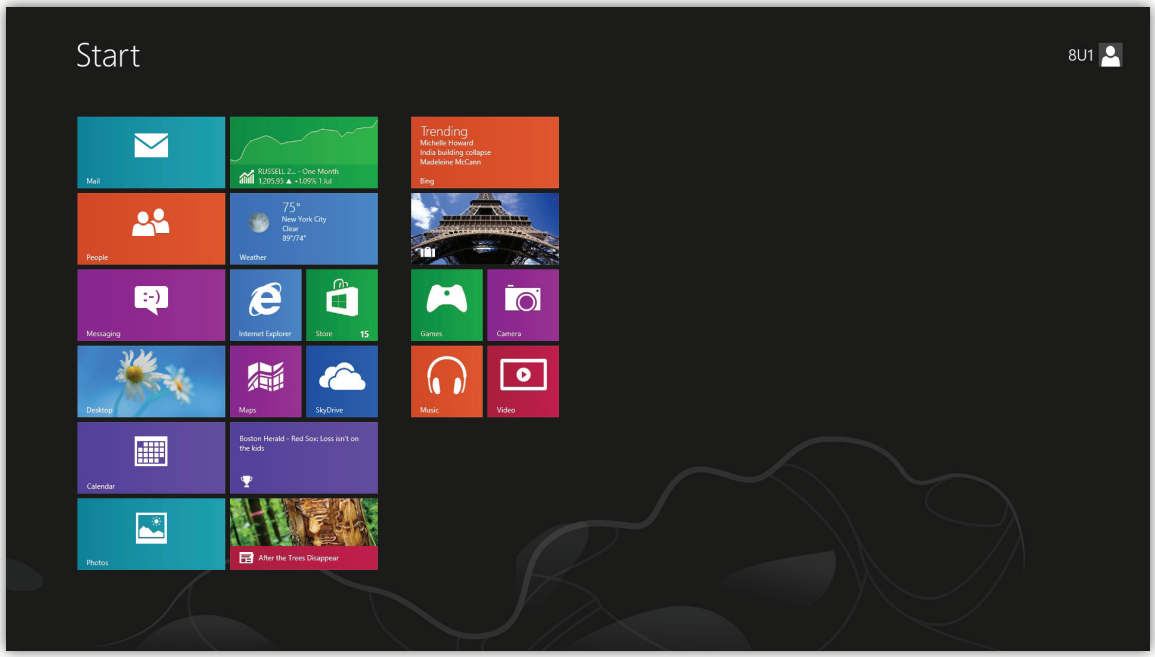
Example: Windows MultiPoint Server 2012



Example: Windows Server 2012



Example: Windows 8 Enterprise



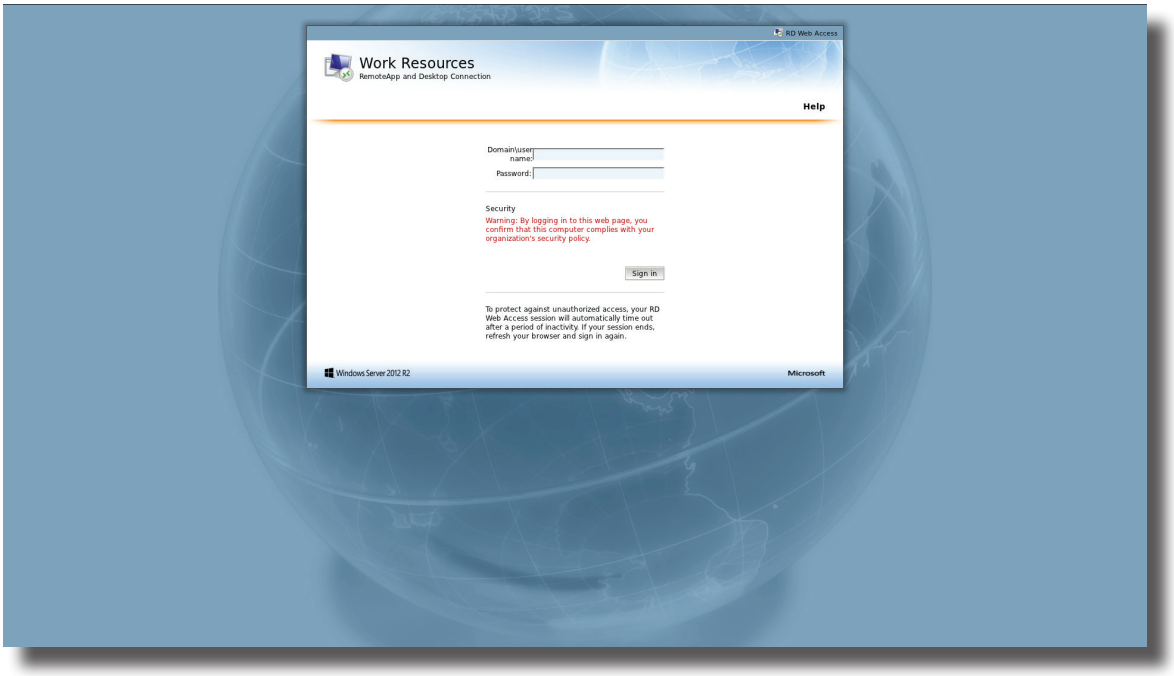
NOTE

- The connection type of Remote Desktop also allow you to launch ***application-only*** sessions; only a specific application is launched rather than a full desktop. For details, please refer to section "4.6.5 Configuring Advanced RDP Connection Settings" on page 131.

Connection Type: Remote Web Access

To access remote applications, please do the following:

1. Double click the created shortcut on the desktop.
2. A window appears prompting for credentials.



NOTE

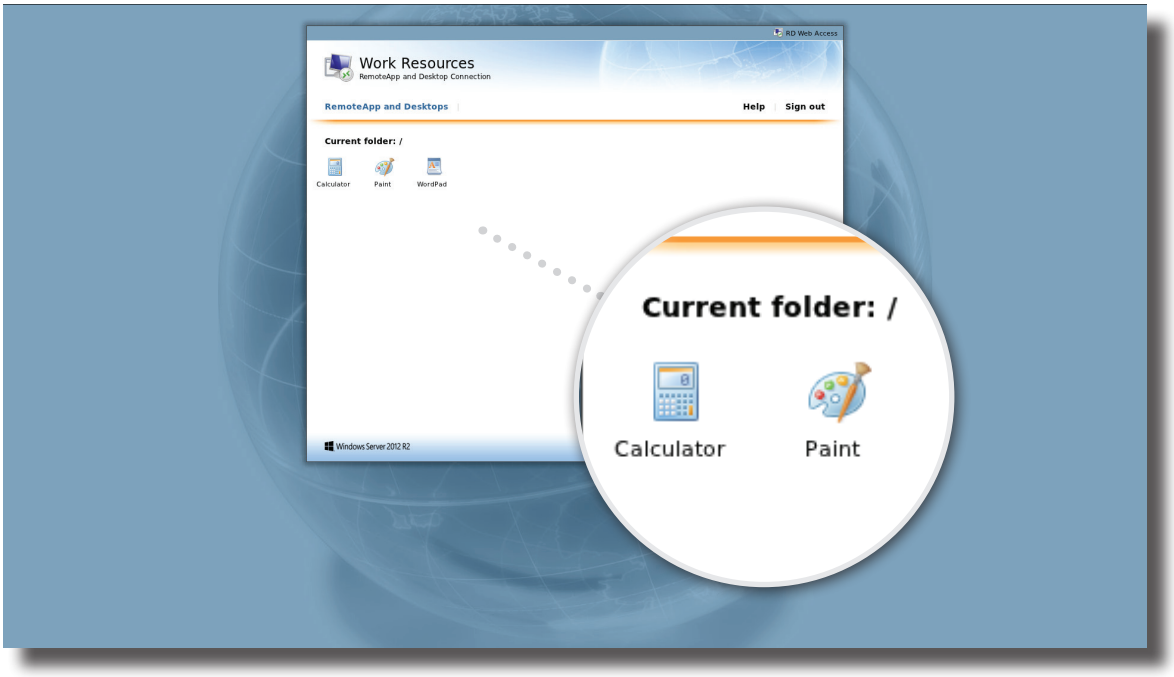
- A warning message "This Connection is Untrusted" might appear. Consult the IT administrator for details and ensure the connection is secure ***first***. To import a security certificate, please refer to section "4.2.14 Importing Certificates for Remote Computers" on page 64. To bypass, click **I Understand the Risks** > **Add Exception** > **Confirm Security Exception**.

TIP

- To ***exit*** this Logon screen or other screens and return to the local desktop, please press **Alt + F4**.

3. Provide your credentials, and then click **Sign in**.

4. Access shortcuts will be shown on the screen.



5. Click or Double-click to select the desired application.
6. A window appears prompting for credentials.

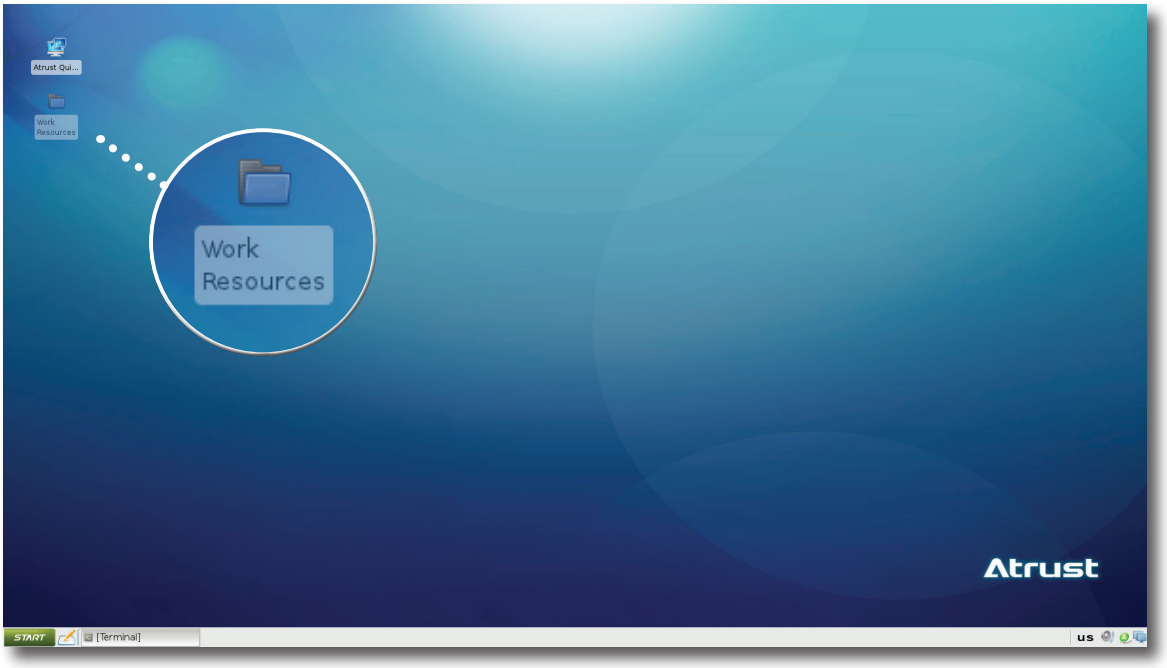
7. Provide your credentials, and then click **OK** to launch the selected application.

TIP

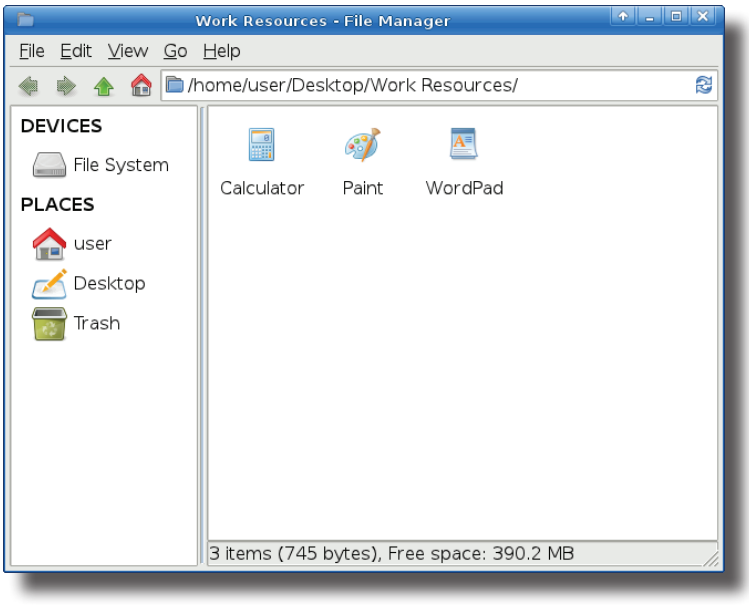
- Use **Alt + Tab** to select and restore a hidden or minimized application or desktop.

Connection Type: Web Feed

1. Double click **Work Resources** folder on the local desktop.



2. Access shortcuts for available applications can be found in that folder.

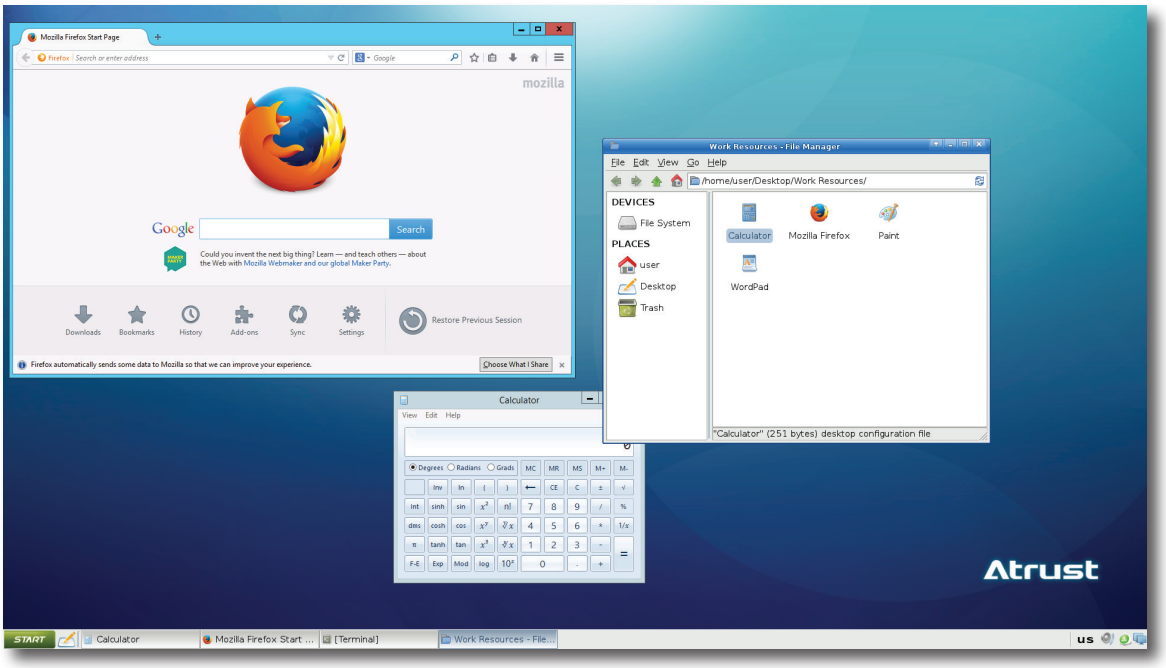


3. Double-click to select the desired application.

4. A window appears prompting for credentials.

5. Provide your credentials, and then click **OK** to launch the selected application.

Remote Application Examples
Mozilla Firefox and Calculator



4.6.5 Configuring Advanced RDP Connection Settings

The tables below provide a description of each setting item for RDP connections. Please refer to these tables to configure advanced settings and customize shortcuts on local desktop and START menu for service access.

NOTE

- Please note that available settings vary with the selected connection type.

Settings for the Connection Type of Remote Desktop

NOTE

- For descriptions of settings for the connection type of Remote Web Access, please refer to "Settings for the Connection Type of Remote Web Access" on page 139.
- For descriptions of settings for the connection type of Web Feed, please refer to "Settings for the Connection Type of Web Feed" on page 142.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Remote Desktop sessions.</td></tr>
<tr><td>Computer</td><td>Type in the computer name or IP address of the server where to deliver a Remote Desktop session.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when Remote Desktop is selected.

Three connection types are available:<table><tr><th>Option</th><th>Description</th></tr><tr><td>Remote Desktop</td><td>Select to access remote desktop/application services.</td></tr><tr><td>Remote Web Access</td><td>Select to access remote application services through a Web browser (Mozilla Firefox).</td></tr><tr><td>Web Feed</td><td>Select to access remote application services through published desktop shortcuts.</td></tr></table></td></tr>
<tr><td>Network Level Authentication</td><td>Select to enable/disable Network Level Authentication.

NOTE: Network Level Authentication is the authentication method used to enhance the server security by requiring that the user be authenticated before the logon screen is displayed and a session is created. This is a more secure authentication method that can help protect the remote computer from malicious users and software.</td></tr>
</table>

<table>
<tr><td>Server Authentication</td><td>Select what to do next if the client cannot verify the identity of the remote computer. Three options are available: Connect and don’t warn me, Warn me, and Do not connect.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Connect and don’t warn me</td><td>Connects anyway without any warning.</td></tr><tr><td>Warn me</td><td>Warns and allows users to choose whether to connect or not.</td></tr><tr><td>Do not connect</td><td>Disallows the connection.</td></tr></table>
NOTE: To import certificates for remote computers, please refer to section “4.2.14 Importing Certificates for Remote Computers” on page 64.</td></tr>
<tr><td colspan="2">Login Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>Username</td><td>Type in the user/account name used for authentication.</td></tr>
<tr><td>Password</td><td>Type in the password of the user account used for authentication.</td></tr>
<tr><td>Domain</td><td>Type in the domain of the server.

NOTE: Domain is a collection of computers on a network that share a common database and security policy. Leave this field blank if the server doesn’t belong to any domain.</td></tr>
<tr><td>Use Smart Card Login</td><td>Check to enable logon with a smart card.</td></tr>
</table>

<table>
<tr><th colspan="2">Common Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Autostart When Startup</td><td>
Select whether to open a Remote Desktop session automatically or not when t180L/t180LB is started up (Autostart mode).

NOTE: There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

<table>
<tr><th>No.</th><th>Mode</th><th>Description</th></tr>
<tr><td>1</td><td>Appliance</td><td>The client will start up directly with the desired Microsoft RDP session and perform the configured action after exiting the session.

Available actions include:
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>2</td><td>Autostart</td><td>The client will start up directly with the desired Microsoft RDP session and perform the configured action after exiting the session.

Available actions include:
• Returning to the local desktop
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>3</td><td>Quick Connection</td><td>The default. The client will enter Atrust Quick Connection screen after system startup.</td></tr>
</table>

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.
</td></tr>
<tr><td>On Application Exit</td><td>
Select what to do when a Remote Desktop session is ended. Five options are available: Do Nothing, Restart Application, Force-Restart Application, Reboot, and Shutdown.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Do Nothing</td><td>Returns to the t180L/t180LB local Linux desktop.</td></tr>
<tr><td>Restart Application</td><td>Opens a Remote Desktop session again.</td></tr>
<tr><td>Force-Restart Application</td><td>Opens a Remote Desktop session again and skips any messages in-between.</td></tr>
<tr><td>Reboot</td><td>Restarts your t180L/t180LB.</td></tr>
<tr><td>Shutdown</td><td>Turns off your t180L/t180LB.</td></tr>
</table>
</td></tr>
</table>

Options Sub-tab

<table>
<tr><th colspan="2">Programs</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Start the following program on connection</td><td>Click the drop-down menu to enable or disable the Application mode. Use this option to select the session type. Two remote session types are available:
Remote Desktop (when the Application mode is disabled)
Remote Application (when the Application mode is enabled)
NOTE: Remote Application sessions are Remote sessions used to access only specific applications rather than full desktops.

NOTE: Before you can open a Remote Application session, you need to add the desired application to the RemoteApp Programs list with RemoteApp Manager on the host server. For detailed instructions on how to add a desired application to the RemoteApp Programs list on the server, please visit Microsoft’s website at www.microsoft.com.</td></tr>
<tr><td>Start in the following folder</td><td>Type in the location of the desired application (on the host server) if Start the following program on connection is enabled.

NOTE: You can type in the location/path of the desired application in this field, and specify only the name of the application in Program path and file name (the next field). Or, you can type in the full path and name of the application in Program path and file name, and leave this field empty.</td></tr>
<tr><td>Program path and file name</td><td>Type in the name of the desired application if Start the following program on connection is enabled.

<table><tr><th>Remote APP</th><th>Format Example</th></tr><tr><td>Windows Media Player</td><td>C:\Programs Files (x86)\Windows Media Player\wmplayer.exe</td></tr><tr><td>Adobe Reader X</td><td>C:\Programs Files (x86)\Adobe\Reader 10.0\Reader\ArcoRd32.exe</td></tr><tr><td>Adobe Reader X</td><td>C:\Programs Files (x86)\Adobe\Reader 10.0\Reader\ArcoRd32</td></tr></table>NOTE: the file extension can be omitted.</td></tr>
<tr><th colspan="2">Window Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Color Depth</td><td>Click the drop-down menu to select the desired color depth for a Remote Desktop session. Five options are available: Automatic, 15 Bit, 16 Bit, 24 Bit, and 32 Bit.

NOTE: If RemoteFX is enabled, then no matter which color depth you choose here, 32 bit per pixel will be applied.

NOTE: The Automatic option uses the setting defined by the host server.

NOTE: You can configure the upper limit of the color depth for a Remote Desktop session on the host server. In this case, no matter which color depth you choose here, the value cannot exceed the defined limit.</td></tr>
</table>

<table>
<tr><td>Resolution</td><td>Click the drop-down menu to select the desired display resolution on a Remote Desktop session. Four options are available: Fullscreen, Large Window, Medium Window, and Small Window.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Fullscreen</td><td>Opens a Remote Desktop session in full screen with the same display resolution as the local desktop.</td></tr><tr><td>Large Window</td><td>Opens a Remote Desktop session in a large display resolution.</td></tr><tr><td>Medium Window</td><td>Opens a Remote Desktop session in a medium display resolution.</td></tr><tr><td>Small Window</td><td>Opens a Remote Desktop session in a small display resolution.</td></tr></table>
NOTE: To configure the display resolution of the local desktop, please refer to section “4.3.3 Configuring Display Settings” on page 70.</td></tr>
<tr><td>Use Toolbar</td><td>Click the drop-down menu to select whether to use the Atrust Toolbar on a Remote Desktop session. The tool bar allows you to adjust a session window size or suspend a session.
 </td></tr>
<tr><td>Cursor Auto-hide</td><td>Click the drop-down menu to enable/disable the auto-hiding of the mouse cursor or pointer on inactivity in Remote Desktop sessions.</td></tr>
<tr><td>Use RemoteFX</td><td>Click the drop-down menu to disable/enable RemoteFX.

NOTE: Windows® RemoteFX™ is a technology that offers a rich user experience over a network for remote desktop users.

NOTE: To enable the RemoteFX feature for Remote Desktop sessions on your t180L/t180LB thin client, you still need to configure the host server. For detailed instructions on how to enable RemoteFX on a host server, please visit Microsoft Support website at support.microsoft.com.</td></tr>
<tr><td>Progressive Rendering</td><td>Click the drop-down menu to disable/enable progressive rendering.

When enabled, images and videos will be encoded and sent over progressively when the network bandwidth is limited. This new RemoteFX feature is supported by Windows Sever 2012 and Windows 8.

NOTE: This option is shown only when Use RemoteFX is enabled.</td></tr>
<tr><td>Use Bulk Compression</td><td>Click to enable/disable the bulk compression for the data traffic between the server and client.</td></tr>
</table>

Optimization Settings	
Item	**Description**
Connection Quality	Select the option that best describes the quality of your network connection. Three options are available: **LAN (Very Fast)**, **Broadband (Fast)**, and **Modem (Slow)**. **NOTE:** Selection here will determine the defaults of items in this section as listed below.
Desktop background	Check to use the desktop background.
Font smoothing	Check to use ClearType® technology to make fonts clear and smooth.
Show window contents while dragging	Check to show window contents while dragging a window.
Menu and window animation	Check to show menu and window animation.
Visual styles	Check to allow non-classic themes.
Persistent bitmap caching	Check to allow client-side cache of bitmaps for a session.
Connection Settings	
Item	**Description**
Multimedia Redirection	Click the drop-down menu to disable/enable multimedia redirection. When enabled, the client receives original compressed multimedia streams and decodes locally for display. This feature increases the load on the client, but saves server resources, decreases the bandwidth usage, and improves audio and video playback experiences.
USB Storage Mapping	Click the drop-down menu to enable/disable USB storage mapping. When **Enable** is selected, users can access the local USB storage devices, such as a USB flash drive and memory card reader, in a Remote Desktop session. **NOTE:** Atrust Client Setup also allows you to enable or disable the use of locally attached USB storage devices. You need to enable locally attached USB storage devices first in order to use them in a Remote Desktop session. The default is enabled. **NOTE:** To configure the use of USB storage devices, please refer to section "4.4.3 Configuring Settings for USB Storage Devices" on page 82.
Printer Mapping	Click the drop-down menu to enable/disable printer mapping. When **Enable** is selected, users can access a local or network printer in a Remote Desktop session. **NOTE:** You need to add a local or network printer for your t180L/t180LB first, and then enable this feature here to use that printer in a Remote Desktop session. **NOTE:** For detailed instructions on how to add a local or network printer for your t180L/t180LB, please refer to section "4.4.7 Adding a Local Printer" on page 86 or "4.4.8 Adding a Network Printer" on page 89.

Serial Port Mapping	Click the drop-down menu to enable/disable serial port mapping. When **Enable** is selected, users can access a serial device, such as a barcode scanner, in a Remote Desktop session.
Parallel Port Mapping	Click the drop-down menu to enable/disable parallel port mapping. When **Enable** is selected, users can access a parallel device, such as a printer or scanner, in a Remote Desktop session.
Smart Card Mapping	Click the drop-down menu to enable/disable smart card mapping. When **Enable** is selected, users can access smart cards through a smart card reader in a Remote Desktop session.
Local Resources Settings	
Item	**Description**
Remote Audio Playback	Click the drop-down menu to configure the audio playback setting in a Remote Desktop session. Three options are available: **Play on this computer**, **Play on remote computer**, and **Do not play**.

Option	Description
Play on this computer	Allows audio playback in a Remote Desktop session using locally attached audio devices.
Play on remote computer	Allows audio playback in a Remote Desktop session using audio devices attached to the remote computer.
Do not play	Disables audio playback in a Remote Desktop session using locally attached audio devices.

Remote Audio Recording	Click the drop-down menu to configure the audio playback setting in a Remote Desktop session. Two options are available: **Recording from this computer** and **Do not record**.

Option	Description
Recording from this computer	Allows audio recording in a Remote Desktop session using locally attached audio devices.
Do not record	Disables audio recording in a Remote Desktop session using locally attached audio devices.

RemoteFX USB Redirection Settings	
Item	**Description**
Use RemoteFX USB Redirection	Check/Uncheck to enable/disable locally attached USB devices in a Remote Desktop session (virtual machine based only). **NOTE:** RemoteFX USB Redirection allows the redirection of USB devices into server-hosted virtual machines (with guest operating systems). **NOTE:** RemoteFX USB Redirection is only applicable to the virtual machine based Remote Desktop service not to session based one. For more information, please visit Microsoft Support website at support.microsoft.com. On the client side, please do the following to enable locally attached USB devices in a virtual machine based desktop: 1. Ensure that the desired USB device has been connected to your client. 2. Ensure that RemoteFX is enabled on your t180L/t180LB (see "Use RemoteFX" on page 135). 3. Click to check **Use RemoteFX USB Redirection**. 4. A new checkbox appears with the required device driver. Check to enable the driver. 5. Click **Save** to apply. **NOTE:** You also need to configure the host server and its guest OSs to enable RemoteFX USB Redirection in a Remote Desktop session. For instructions on server-side configuration, please visit Microsoft Support website at support.microsoft.com.

RD Gateway Sub-tab

Connection Settings	
Item	**Description**
Use RD Gateway server	Check/Uncheck to enable/disable the use of an RD Gateway server. When checked, the following two items in this table appear.
Server Name	Type the name of the RD Gateway server. Ask the network administrator for this information.
Use my Remote Desktop credentials for the RD Gateway	Check to use the same set of credentials for authenticating to both the Remote Desktop computer and the RD Gateway server.
Bypass RD Gateway for local address	Check to prevent traffic to and from local network addresses from being routed through the RD Gateway server. This could make your RDP connection faster.

Settings for the Connection Type of Remote Web Access

NOTE

- For descriptions of settings for the connection type of Remote Desktop, please refer to "Settings for the Connection Type of Remote Desktop" on page 131.
- For descriptions of settings for the connection type of Web Feed, please refer to "Settings for the Connection Type of Web Feed" on page 142.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Remote Web Access sessions.</td></tr>
<tr><td>Connection URL</td><td>Type in the URL of the server where to deliver Remote Web Access sessions.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when Remote Web Access is selected.

Three connection types are available:

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Remote Desktop</td><td>Select to access remote desktop/application services.</td></tr><tr><td>Remote Web Access</td><td>Select to access remote application services through a Web browser (Mozilla Firefox).</td></tr><tr><td>Web Feed</td><td>Select to access remote application services through published desktop shortcuts.</td></tr></table></td></tr>
</table>

<table>
<tr><th colspan="2">Common Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Autostart When Startup</td><td>
Select whether to open a Remote Web Access session automatically or not when t180L/t180LB is started up (Autostart mode).

NOTE: There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

<table>
<tr><th>No.</th><th>Mode</th><th>Description</th></tr>
<tr><td>1</td><td>Appliance</td><td>The client will start up directly with the desired Microsoft RDP session and perform the configured action after exiting the session.

Available actions include:
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>2</td><td>Autostart</td><td>The client will start up directly with the desired Microsoft RDP session and perform the configured action after exiting the session.

Available actions include:
• Returning to the local desktop
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>3</td><td>Quick Connection</td><td>The default. The client will enter Atrust Quick Connection screen after system startup.</td></tr>
</table>

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.
</td></tr>
<tr><td>On Application Exit</td><td>
Select what to do when a Remote Web Access session is ended. Five options are available: Do Nothing, Restart Application, Force-Restart Application, Reboot, and Shutdown.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Do Nothing</td><td>Returns to the t180L/t180LB local Linux desktop.</td></tr>
<tr><td>Restart Application</td><td>Opens a Remote Web Access session again.</td></tr>
<tr><td>Force-Restart Application</td><td>Opens a Remote Web Access session again and skips any messages in-between.</td></tr>
<tr><td>Reboot</td><td>Restarts your t180L/t180LB.</td></tr>
<tr><td>Shutdown</td><td>Turns off your t180L/t180LB.</td></tr>
</table>
</td></tr>
</table>

Options Sub-tab

NOTE

- No options are available under the **Options** sub-tab in the connection type of Remote Web Access.

RD Gateway Sub-tab

NOTE

- No options are available under the **RD Gateway** sub-tab in the connection type of Remote Web Access.

Settings for the Connection Type of Web Feed

NOTE

- For descriptions of settings for the connection type of Remote Desktop, please refer to "Settings for the Connection Type of Remote Desktop" on page 131.
- For descriptions of settings for the connection type of Remote Web Access, please refer to "Settings for the Connection Type of Remote Web Access" on page 139.

General Sub-tab

Server Settings	
Item	**Description**
Session Name	Type in the name for Web Feed sessions.
Web Feed URL	Type in the URL of the server where to deliver Web Feed sessions.
Connection Type	This table only provides descriptions for available settings when **Web Feed** is selected. Three connection types are available: **Option** / **Description** Remote Desktop — Select to access remote desktop/application services. Remote Web Access — Select to access remote application services through a Web browser (Mozilla Firefox). Web Feed — Select to access remote application services through published desktop shortcuts.
Login Settings	
Item	**Description**
Username	Type in the user/account name used for authentication.
Password	Type in the password of the user account used for authentication.
Domain	Type in the domain of the server.
RemoteApp and Desktop Connections	
Item	**Description**
Update Now	Click to fetch and update the published applications list from the server.

Options Sub-tab

Window Settings	
Item	**Description**
Color Depth	Click the drop-down menu to select the desired color depth for a Remote Desktop session. Five options are available: **Automatic**, **15 Bit**, **16 Bit**, **24 Bit**, and **32 Bit**. **NOTE:** If RemoteFX is enabled, then no matter which color depth you choose here, 32 bit per pixel will be applied. **NOTE:** The **Automatic** option uses the setting defined by the host server. **NOTE:** You can configure the upper limit of the color depth for a Remote Desktop session on the host server. In this case, no matter which color depth you choose here, the value cannot exceed the defined limit.
Cursor Auto-hide	Click the drop-down menu to enable/disable the auto-hiding of the mouse cursor or pointer on inactivity in Remote Desktop sessions.
Use RemoteFX	Click the drop-down menu to disable/enable RemoteFX. **NOTE:** Windows® RemoteFX™ is a technology that offers a rich user experience over a network for remote desktop users. **NOTE:** To enable the RemoteFX feature for Remote Desktop sessions on your t180L/t180LB thin client, you still need to configure the host server. For detailed instructions on how to enable RemoteFX on a host server, please visit Microsoft Support website at support.microsoft.com.
Use Bulk Compression	Click to enable/disable the bulk compression for the data traffic between the server and client.
Optimization Settings	
Item	**Description**
Desktop background	Check to use the desktop background.
Font smoothing	Check to use ClearType® technology to make fonts clear and smooth.
Show window contents while dragging	Check to show window contents while dragging a window.
Menu and window animation	Check to show menu and window animation.
Visual styles	Check to allow non-classic themes.
Persistent bitmap caching	Check to allow client-side cache of bitmaps for a session.

<table>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>USB Storage Mapping</td><td>Click the drop-down menu to enable/disable USB storage mapping.

When Enable is selected, users can access the local USB storage devices, such as a USB flash drive and memory card reader, in a Remote Desktop session.

NOTE: Atrust Client Setup also allows you to enable or disable the use of locally attached USB storage devices. You need to enable locally attached USB storage devices first in order to use them in a Remote Desktop session. The default is enabled.

NOTE: To configure the use of USB storage devices, please refer to section “4.4.3 Configuring Settings for USB Storage Devices” on page 82.</td></tr>
<tr><td>Printer Mapping</td><td>Click the drop-down menu to enable/disable printer mapping.

When Enable is selected, users can access a local or network printer in a Remote Desktop session.

NOTE: You need to add a local or network printer for your t180L/t180LB first, and then enable this feature here to use that printer in a Remote Desktop session.

NOTE: For detailed instructions on how to add a local or network printer for your t180L/t180LB, please refer to section “4.4.7 Adding a Local Printer” on page 86 or “4.4.8 Adding a Network Printer” on page 89.</td></tr>
<tr><td>Serial Port Mapping</td><td>Click the drop-down menu to enable/disable serial port mapping.

When Enable is selected, users can access a serial device, such as a barcode scanner, in a Remote Desktop session.</td></tr>
<tr><td>Parallel Port Mapping</td><td>Click the drop-down menu to enable/disable parallel port mapping.

When Enable is selected, users can access a parallel device, such as a printer or scanner, in a Remote Desktop session.</td></tr>
<tr><td>Smart Card Mapping</td><td>Click the drop-down menu to enable/disable smart card mapping.

When Enable is selected, users can access smart cards through a smart card reader in a Remote Desktop session.</td></tr>
<tr><th colspan="2">Local Resources Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Remote Audio Playback</td><td>Click the drop-down menu to configure the audio playback setting in a Remote Desktop session. Three options are available: Play on this computer, Play on remote computer, and Do not play.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Play on this computer</td><td>Allows audio playback in a Remote Desktop session using locally attached audio devices.</td></tr>
<tr><td>Play on remote computer</td><td>Allows audio playback in a Remote Desktop session using audio devices attached to the remote computer.</td></tr>
<tr><td>Do not play</td><td>Disables audio playback in a Remote Desktop session using locally attached audio devices.</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td>Remote Audio Recording</td><td>Click the drop-down menu to configure the audio playback setting in a Remote Desktop session. Two options are available: Recording from this computer and Do not record.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Recording from this computer</td><td>Allows audio recording in a Remote Desktop session using locally attached audio devices.</td></tr><tr><td>Do not record</td><td>Disables audio recording in a Remote Desktop session using locally attached audio devices.</td></tr></table></td></tr>
<tr><td colspan="2">RemoteFX USB Redirection Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>Use RemoteFX USB Redirection</td><td>Check/Uncheck to enable/disable locally attached USB devices in a Remote Desktop session (virtual machine based only).

NOTE: RemoteFX USB Redirection allows the redirection of USB devices into server-hosted virtual machines (with guest operating systems).

NOTE: RemoteFX USB Redirection is only applicable to the virtual machine based Remote Desktop service not to session based one. For more information, please visit Microsoft Support website at support.microsoft.com.

On the client side, please do the following to enable locally attached USB devices in a virtual machine based desktop:

1. Ensure that the desired USB device has been connected to your t180L/ t180LB.
2. Ensure that RemoteFX is enabled on your t180L/t180LB (see “Use RemoteFX” on page 135).
3. Click to check Use RemoteFX USB Redirection.
4. A new checkbox appears with the required device driver. Check to enable the driver.
5. Click Save to apply.

NOTE: You also need to configure the host server and its guest OSs to enable RemoteFX USB Redirection in a Remote Desktop session. For instructions on server-side configuration, please visit Microsoft Support website at support.microsoft.com.</td></tr>
</table>

RD Gateway Sub-tab

NOTE

- No options are available under the **Options sub**-tab in the connection type of Web Logon.

4.6.6 Configuring Basic ICA Connection Settings

The **Citrix ICA** setting allows you to configure ICA connections for Citrix services and create shortcuts on the local desktop and START menu for service access. You can access virtual desktops and applications for work simply through these shortcuts.

NOTE

- For more information on Citrix desktop virtualization solutions, please visit Citrix website at www.citrix.com or Citrix Knowledge Center at support.citrix.com.

Six connection types are available:

Connection Type	Description	Page
Web Logon	Select to access desktop/application services through a Web browser.	147
StoreFront	Select to access desktop/application services through a StoreFront.	149
VDI-in-a-Box	Select to access desktop services through VDI-in-a-Box.	151
XenDesktop	Select to access desktop services through an earlier version of XenDesktop.	153
XenApp	Select to access application services through an earlier version of XenApp.	155
Server Connection	Select to access service delivery servers (XenApp servers only).	157

NOTE

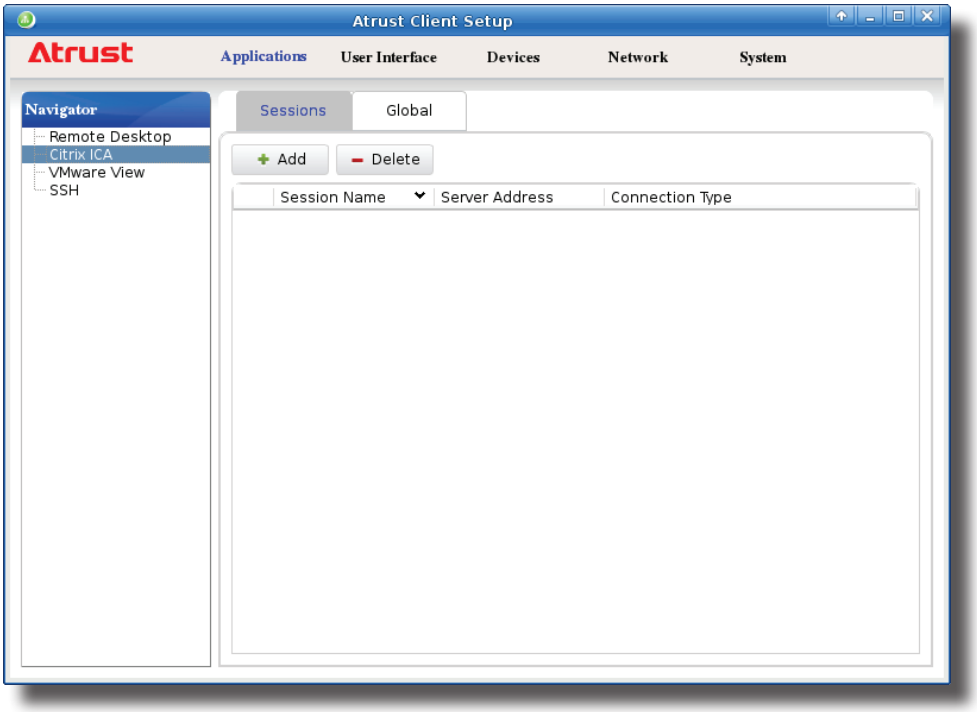
- You can refer to the following table for Citrix products and recommended connection types:

Citrix Product	Recommended Connection Type
XenApp 6.5 or earlier	XenApp / Web Logon
XenDesktop 5.6 or earlier	XenDesktop / Web Logon
XenApp and XenDesktop 7.5	StoreFront / Web Logon
VDI-in-a-Box	VDI-in-a-Box / Web Logon

Connection Type: Web Logon

To quickly configure ICA connection settings for the Web Logon connection type, please do the following:

1. On Atrust Client Setup, click **Applications** > **Citrix ICA**.
2. The available ICA Connection list appears in the Configuration area.

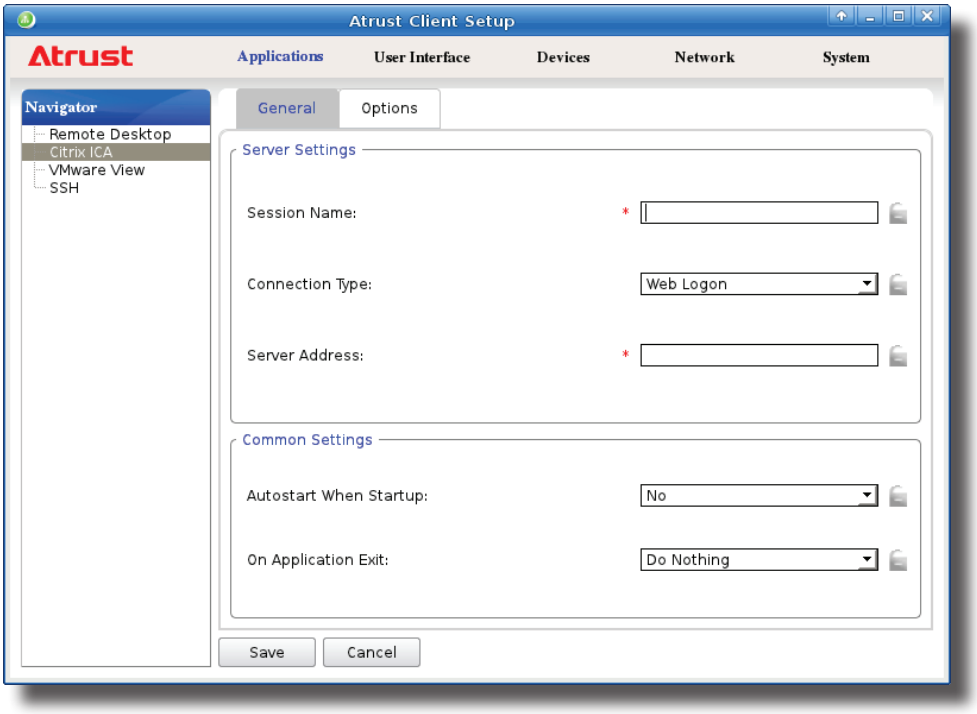


NOTE

- If you haven't created any entry, the ICA Connection list will be empty.

3. Click **Add** on the top of the ICA Connection list to create a new entry of ICA connection.

4. On **General** sub-tab, leave the connection type as **Web Logon** as default, and then type in the desired session name and the IP address / URL / FQDN of the server through which Citrix services are accessible.



NOTE

- For newer versions of XenDesktop and XenApp, you may need to further specify the ***sub-path*** of the server. Refer to the following table for details:

Citrix Product	Component to Connect	Connection Address
XenApp 6.5 or earlier	Web Interface	IP / URL / FQDN
XenDesktop 5.6 or earlier	Web Interface	IP / URL / FQDN
XenApp and XenDesktop 7.5	StoreFront	IP / URL / FQDN **plus** *sub-path* **For example —** **FQDN:** X75.CTX.poc **Sub-path:** /Citrix/StoreWeb (default) **Connection Address:** X75.CTX.poc/Citrix/StoreWeb

- FQDN is the acronym of Fully Qualified Domain Name.

5. Click **Save** to add this ICA connection entry. The access shortcuts are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced ICA connection settings for service access. For more information on other available settings, please refer to section "4.6.11 Configuring Advanced ICA Connection Settings" on page 169.

Connection Type: StoreFront

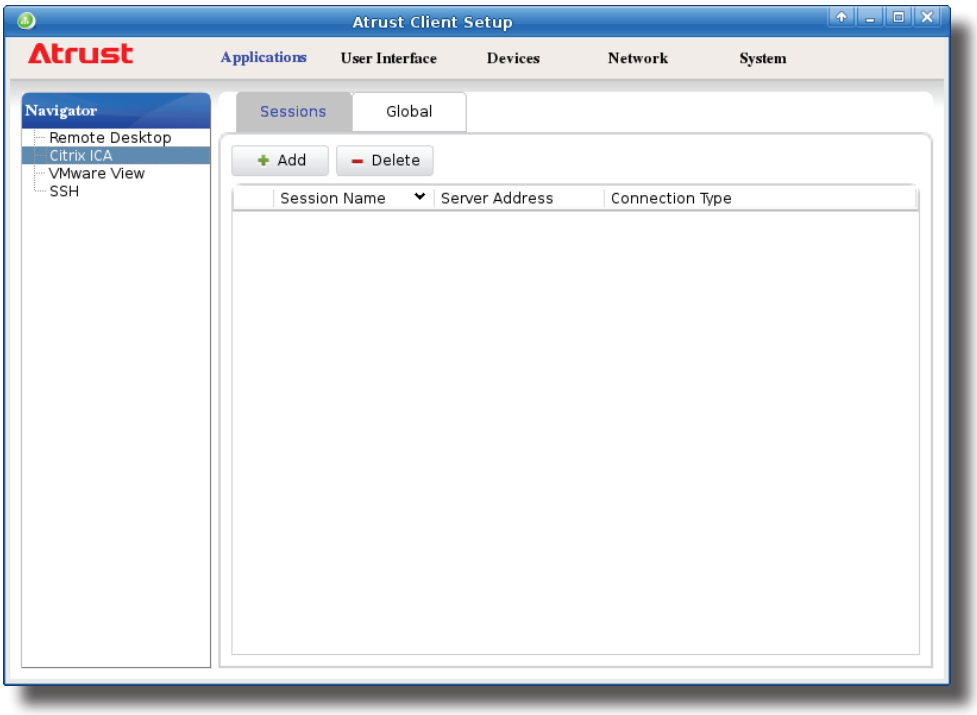
To quickly configure ICA connection settings for the connection type of StoreFront, please do the following:

NOTE

- You can refer to the following table for Citrix products and recommended connection types:

Citrix Product	Recommended Connection Type
XenApp 6.5 or earlier	XenApp / Web Logon
XenDesktop 5.6 or earlier	XenDesktop / Web Logon
XenApp and XenDesktop 7.5	StoreFront / Web Logon
VDI-in-a-Box	VDI-in-a-Box / Web Logon

1. On Atrust Client Setup, Click **Applications** > **Citrix ICA**.
2. The available ICA Connection list appears in the Configuration area.

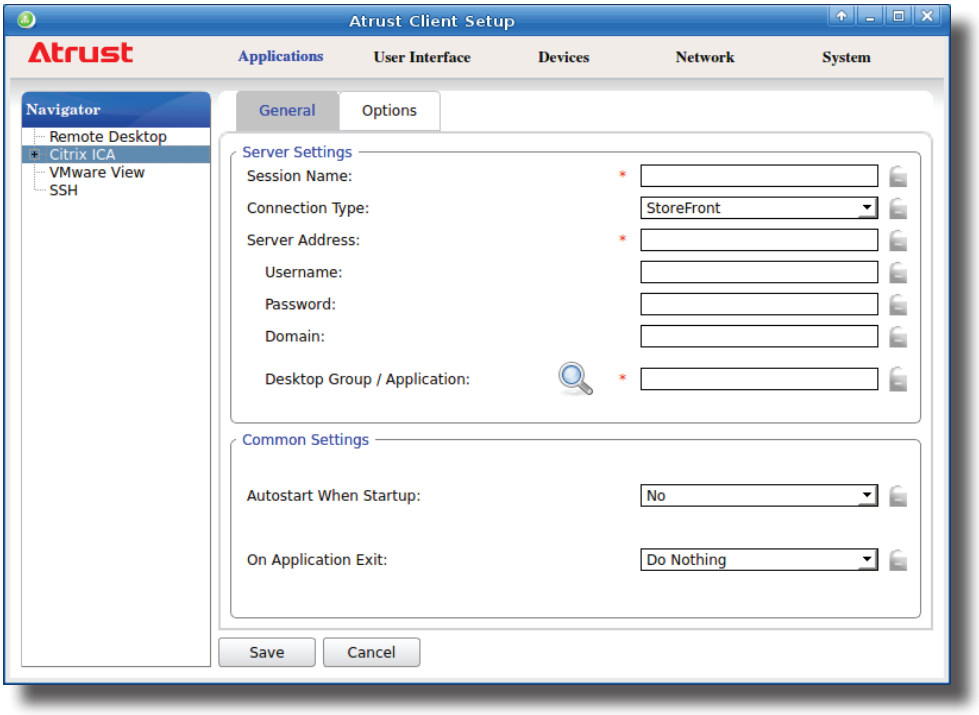


NOTE

- If you haven't created any entry, the ICA Connection list will be empty.

3. Click **Add** on the top of the ICA Connection list to create a new entry of ICA connection.

4. On **General** sub-tab, click the Connection Type drop-down menu to select **StoreFront**.



5. Type the session name, the IP address / URL / FQDN of the server through which virtual applications/ desktops are accessible, and the name of desktop group or application.

NOTE

- You can use the Search icon to help you discover available desktop groups or applications for a given set of credentials.

6. Click **Save** to confirm. The customized access shortcuts are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced ICA connection settings for service access. For more information on other available settings, please refer to section "4.6.11 Configuring Advanced ICA Connection Settings" on page 169.

Connection Type: VDI-in-a-Box

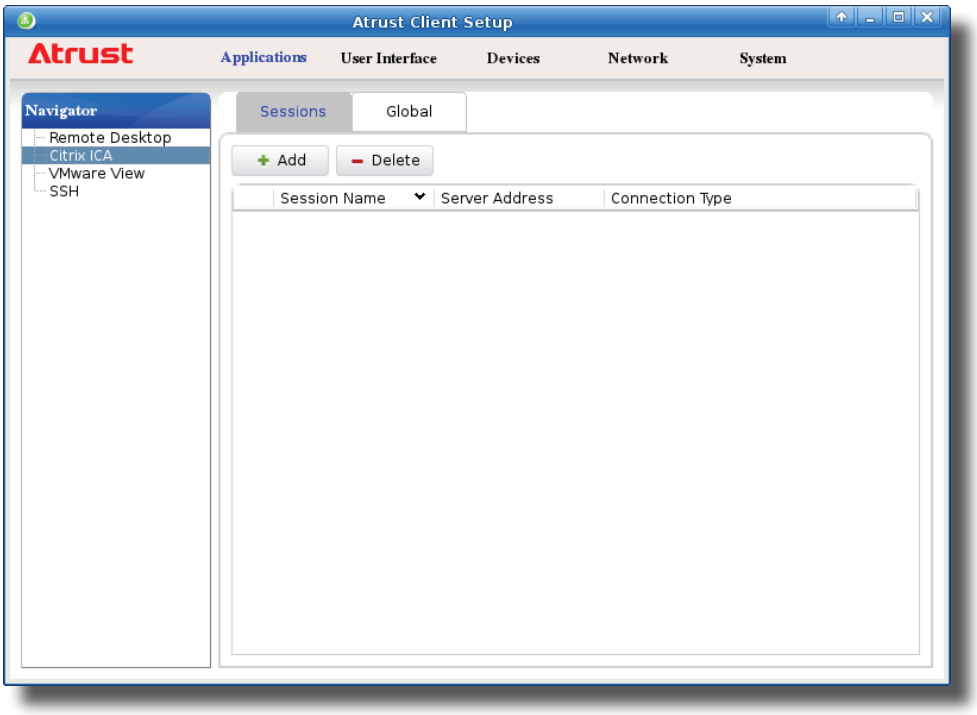
To quickly configure ICA connection settings for the connection type of VDI-in-a-Box, please do the following:

NOTE

- You can refer to the following table for Citrix products and recommended connection types:

Citrix Product	Recommended Connection Type
XenApp 6.5 or earlier	XenApp / Web Logon
XenDesktop 5.6 or earlier	XenDesktop / Web Logon
XenApp and XenDesktop 7.5	StoreFront / Web Logon
VDI-in-a-Box	VDI-in-a-Box / Web Logon

1. On Atrust Client Setup, Click **Applications** > **Citrix ICA**.
2. The available ICA Connection list appears in the Configuration area.

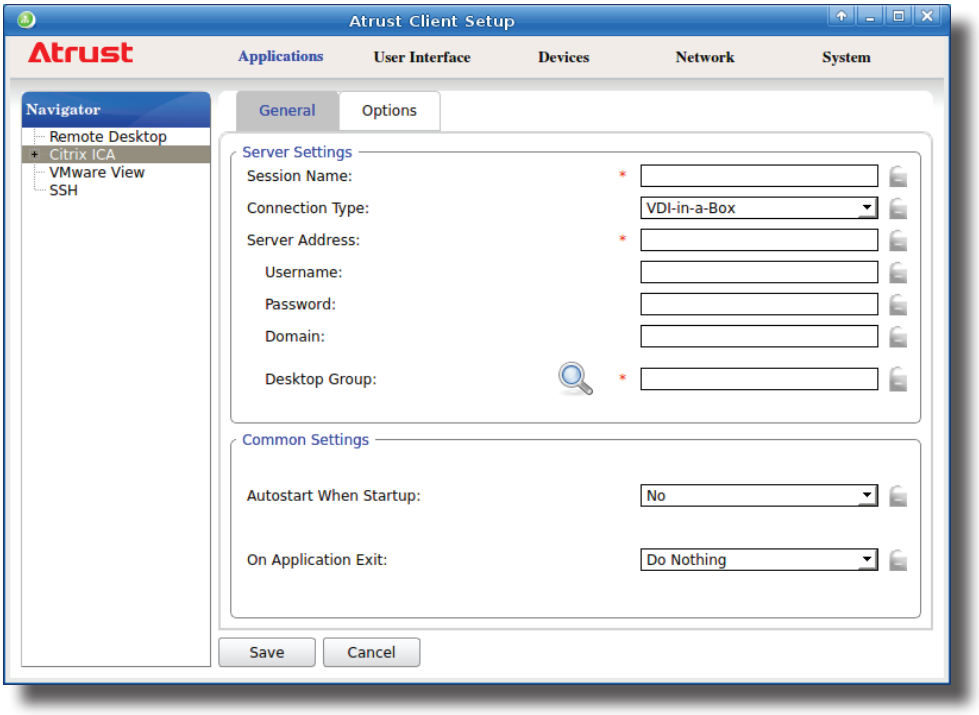


NOTE

- If you haven't created any entry, the ICA Connection list will be empty.

3. Click **Add** on the top of the ICA Connection list to create a new entry of ICA connection.

4. On **General** sub-tab, click the Connection Type drop-down menu to select **VDI-in-a-Box**.



5. Type the session name, the IP address / URL / FQDN of the server through which virtual desktops are accessible, and the name of the desktop group.

NOTE

- You can use the Search icon to help you discover available desktop groups for a given set of credentials.

6. Click **Save** to confirm. The customized access shortcuts are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced ICA connection settings for service access. For more information on other available settings, please refer to section "4.6.11 Configuring Advanced ICA Connection Settings" on page 169.

Connection Type: XenDesktop

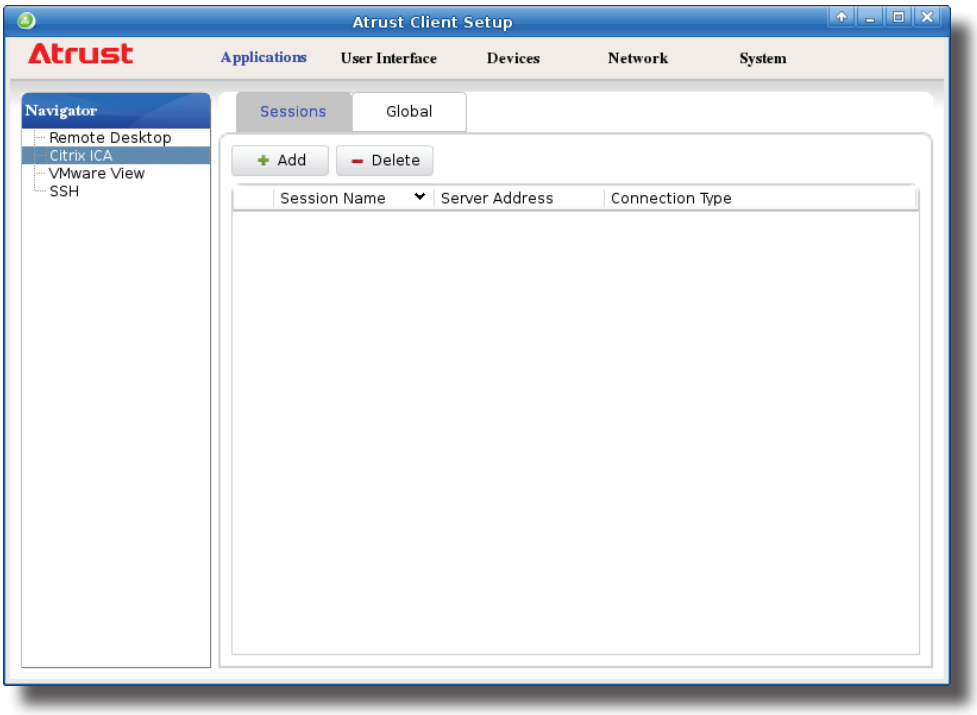
To quickly configure ICA connection settings for the connection type of XenDesktop, please do the following:

NOTE

- You can refer to the following table for Citrix products and recommended connection types:

Citrix Product	Recommended Connection Type
XenApp 6.5 or earlier	XenApp / Web Logon
XenDesktop 5.6 or earlier	XenDesktop / Web Logon
XenApp and XenDesktop 7.5	StoreFront / Web Logon
VDI-in-a-Box	VDI-in-a-Box / Web Logon

1. On Atrust Client Setup, click **Applications** > **Citrix ICA**.
2. The available ICA Connection list appears in the Configuration area.

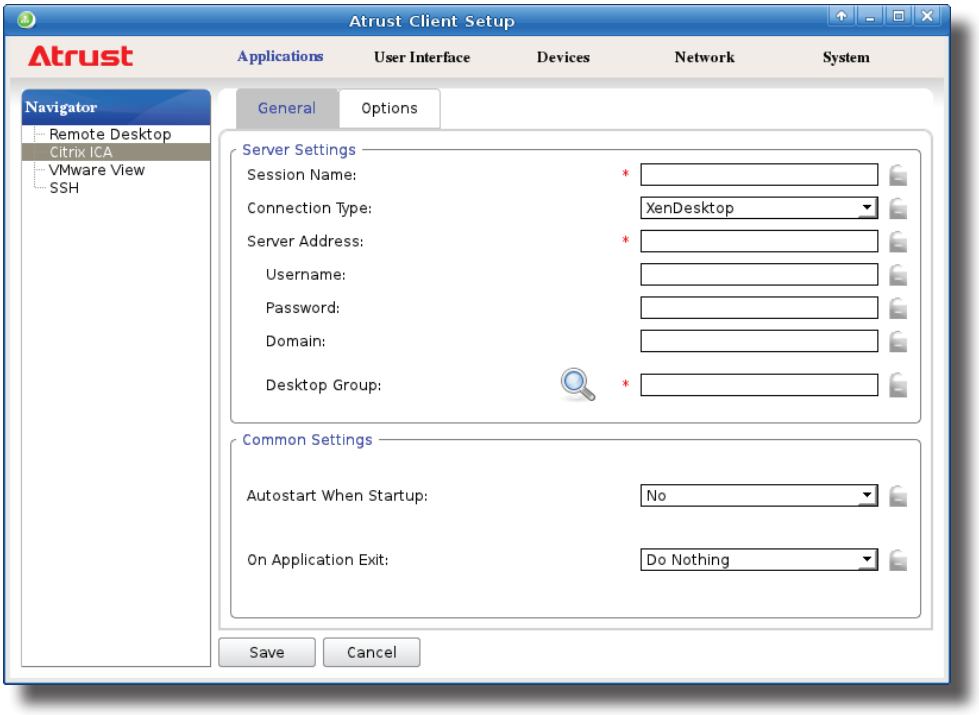


NOTE

- If you haven't created any entry, the ICA Connection list will be empty.

3. Click **Add** on the top of the ICA Connection list to create a new entry of ICA connection.

4. On **General** sub-tab, click the Connection Type drop-down menu to select **XenDesktop**.



5. Type the session name, the IP address / URL / FQDN of the server through which virtual desktops are accessible, and the desired desktop group.

NOTE

- You can use the Search icon to help you discover available desktop groups for a given set of credentials.

6. Click **Save** to confirm. The customized access shortcuts are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced ICA connection settings for service access. For more information on other available settings, please refer to section "4.6.11 Configuring Advanced ICA Connection Settings" on page 169.

Connection Type: XenApp

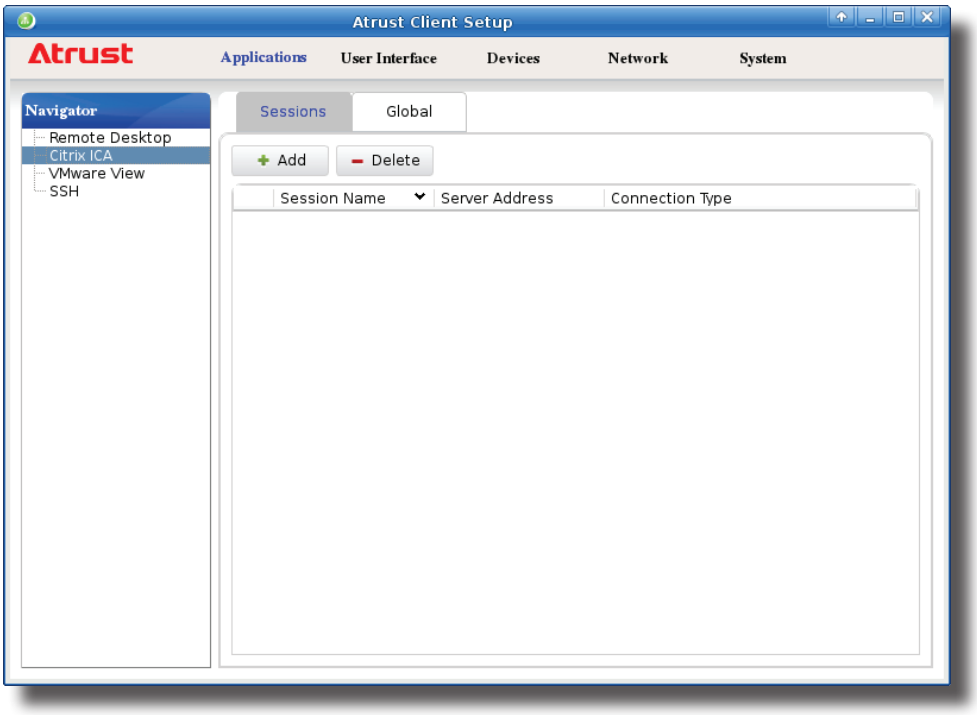
To quickly configure ICA connection settings for the connection type of XenApp, please do the following:

NOTE

- You can refer to the following table for Citrix products and recommended connection types:

Citrix Product	Recommended Connection Type
XenApp 6.5 or earlier	XenApp / Web Logon
XenDesktop 5.6 or earlier	XenDesktop / Web Logon
XenApp and XenDesktop 7.5	StoreFront / Web Logon
VDI-in-a-Box	VDI-in-a-Box / Web Logon

1. On Atrust Client Setup, click **Applications** > **Citrix ICA**.
2. The available ICA Connection list appears in the Configuration area.

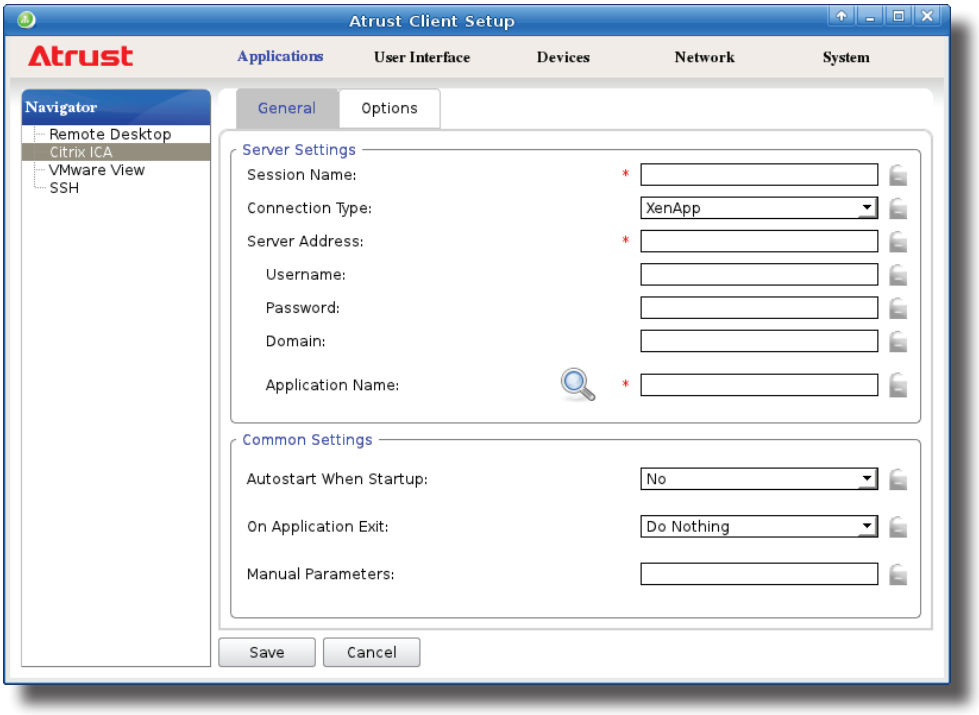


NOTE

- If you haven't created any entry, the ICA Connection list will be empty.

3. Click **Add** on the top of the ICA Connection list to create a new entry of ICA connection.

4. On **General** sub-tab, click the Connection Type drop-down menu to select **XenApp**.



5. Type the session name, the IP address / URL / FQDN of the server through which virtual applications are accessible, and the desired application name.

NOTE

- You may need to provide the ***XML port number*** as well for your server address (for example, XA65P.CTX.poc:**8080**), depending on your server-side configuration.

NOTE

- You can use the Search icon to help you discover available applications for a given set of credentials.

6. Click **Save** to confirm. The customized access shortcuts are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced ICA connection settings for service access. For more information on other available settings, please refer to section "4.6.11 Configuring Advanced ICA Connection Settings" on page 169.

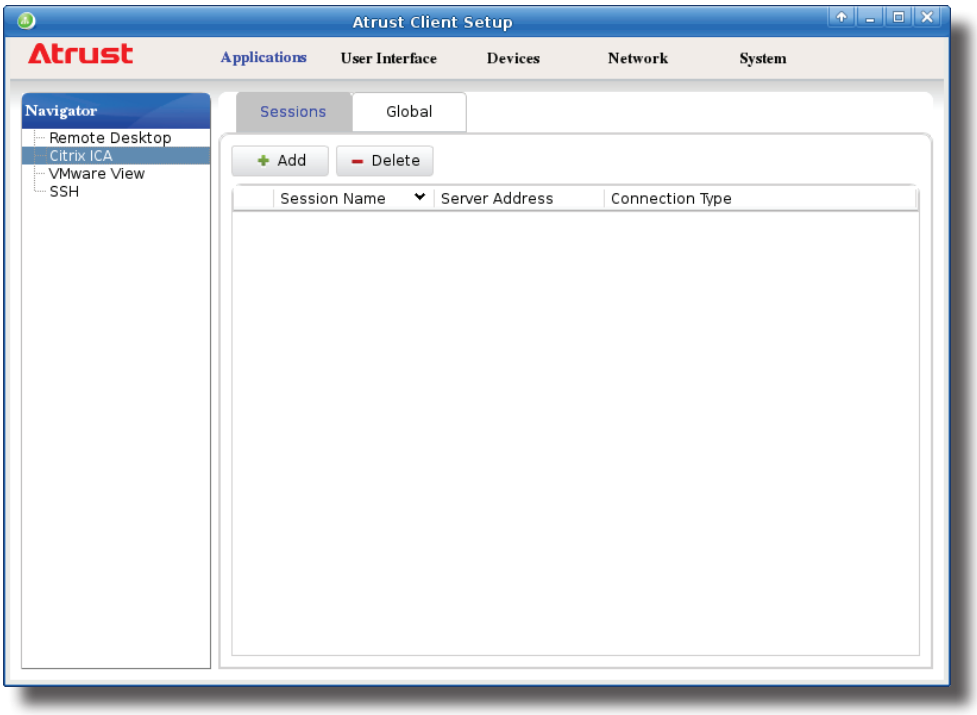
Connection Type: Server Connection

To quickly configure ICA connection settings for the connection type of Server Connection, please do the following:

NOTE

- This connection type is used to connect to XenApp server for ***administration*** and supports ***only*** *XenApp 6.5 and earlier*.

1. On Atrust Client Setup, click **Applications** > **Citrix ICA**.
2. The available ICA Connection list appears in the Configuration area.

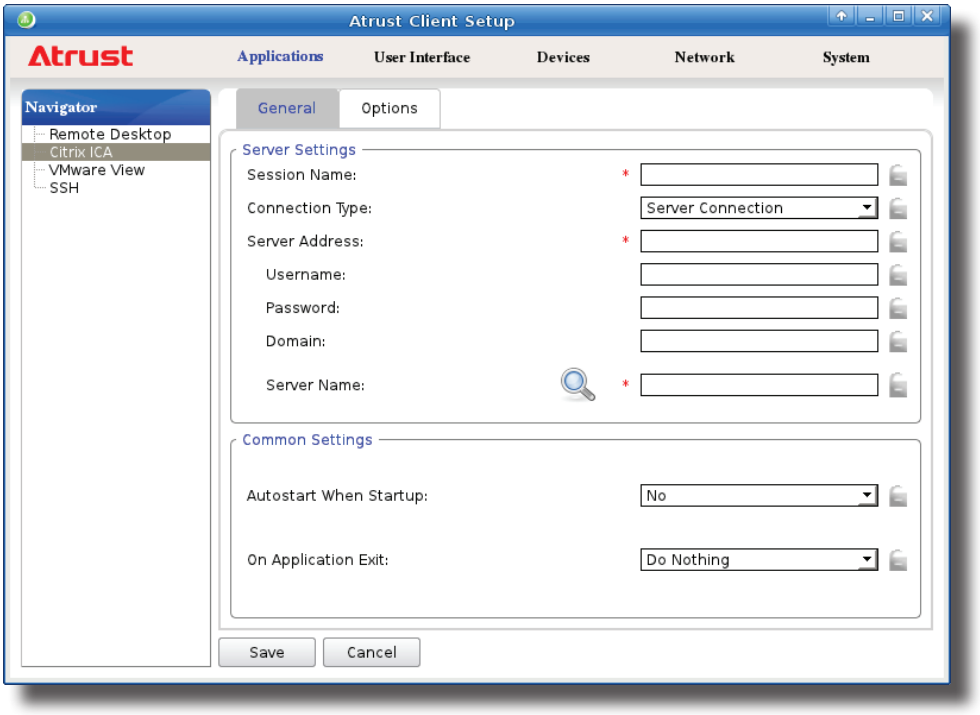


NOTE

- If you haven't created any entry, the ICA Connection list will be empty.

3. Click **Add** on the top of the ICA Connection list to create a new entry of ICA connection.

4. On **General** sub-tab, click the Connection Type drop-down menu to select **Server Connection**.



5. Type the session name, server address, and server name.

NOTE

- You may need to provide the ***XML port number*** as well for your server address (for example, 192.168.77.10:**8080**), depending on your server-side configuration.

NOTE

- Only connections to XenApp servers are supported by this connection type.
- You can use the Search icon to help you detect the server name.

6. Click **Save** to confirm. The customized access shortcuts are automatically created on the local desktop and START menu.

NOTE

- Depending on your plan of service delivery and the configuration of your server(s), you may need to configure other advanced ICA connection settings for service access. For more information on other available settings, please refer to section "4.6.11 Configuring Advanced ICA Connection Settings" on page 169.

4.6.7 Switching the Citrix Receiver Version

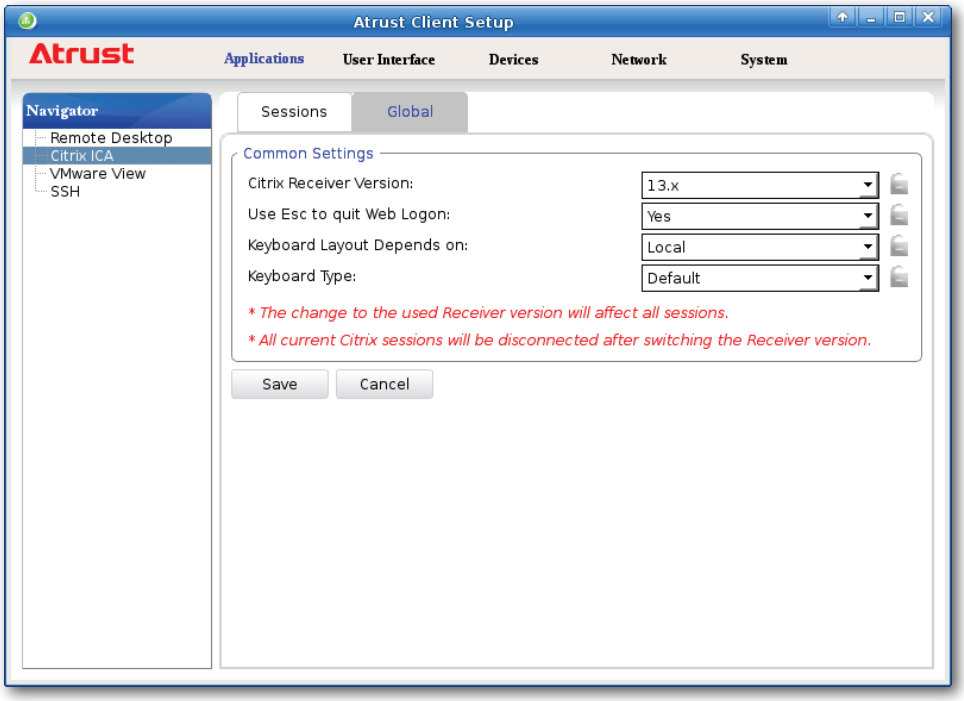
Two versions of Citrix Receiver are switchable in case that an older version of Citrix Receiver is required for your Citrix environment.

To change the version of Citrix Receiver, please do the following:

NOTE

- This is a global setting; the change will affect all Citrix connections.

1. On Atrust Client Setup, click **Applications** > **Citrix ICA** > **Global**.
2. Click the drop-down menu to select the desired Citrix Receiver version. Two options are available: **12.x** and **13.x**.



TIP

- The default Citrix Receiver version is **13.x**.
- You can refer to the following table for Citrix products and recommended Citrix Receiver version:

Citrix Product	Recommended Receiver Version
XenApp earlier than 6.5	12.x
XenDesktop earlier than 5.6	12.x
XenApp / XenDesktop 7.x or later	13.x

3. Click **Save** to apply.

4.6.8 Enabling or Disabling Esc to Quit on the Web Logon Screen

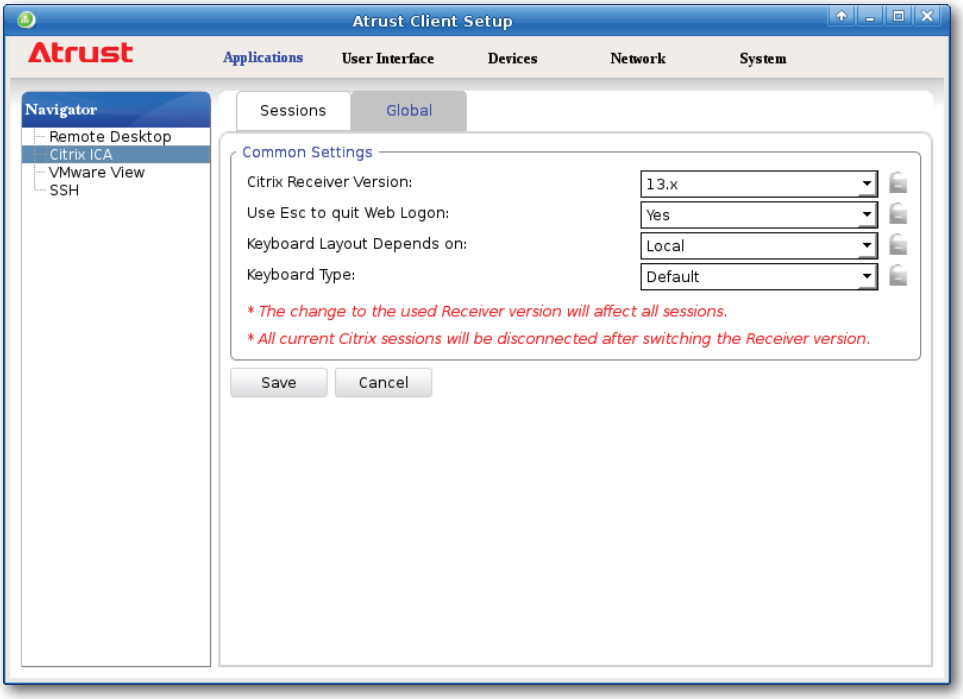
You can choose whether to allow the use of **Esc** key to quit the Web Logon screen:

- If **Yes** is selected, you can use both **Esc** and **Alt** + **F4** to quit the Web Logon screen.
- If **No** is selected, only **Alt** + **F4** works.

To enable or disable Esc to Quit on the Web Logon screen, please do the following:

> **NOTE**
> - This is a global setting; the change will affect all Citrix connections.

1. On Atrust Client Setup, click **Applications** > **Citrix ICA** > **Global**.
2. Click the drop-down menu to select **Yes** or **No** to enable or disable Esc to Quit.

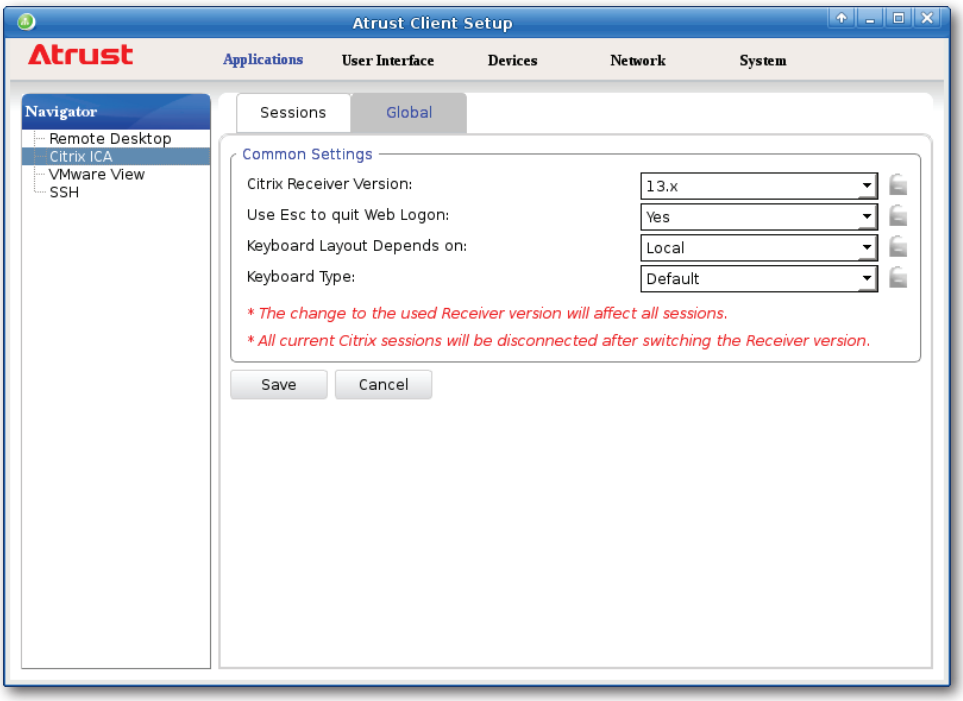


3. Click **Save** to apply.

4.6.9 Configuring Keyboard Layout and Type for Citrix ICA Sessions

To set the used keyboard layout and type for all Citrix ICA sessions, please do the following:

1. On Atrust Client Setup, click **Applications** > **Citrix ICA** > **Global**.
2. Click drop-down menus to select what determines the keyboard layout and the desired keyboard type.



NOTE

- These are global settings; the changes will affect all ICA sessions.

3. Click **Save** to apply.

4.6.10 Accessing Citrix Services

For Connection Types of StoreFront, VDI-in-a-Box, XenDesktop, XenApp, and Server Connection

To access Citrix services, please do the following:

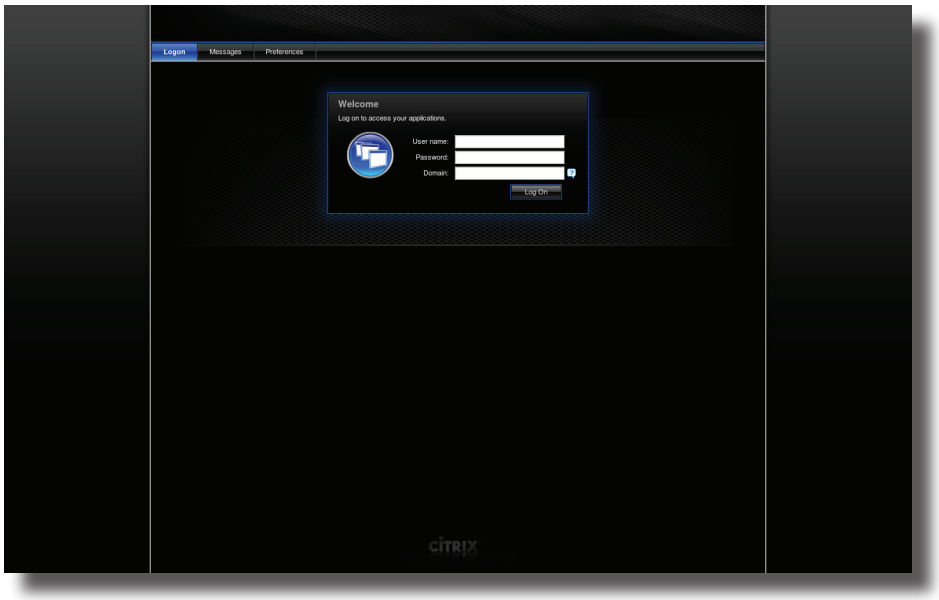
1. Double click the created (customized) shortcut on the desktop, and then provide your credentials if needed.
2. The desired desktop or application will be displayed on the screen.

For Connection Type of Web Logon

To access Citrix services, please do the following:

1. Double click the created (customized) shortcut on the desktop.
2. The Web browser is launched in ***full-screen*** with the Citrix Logon screen.

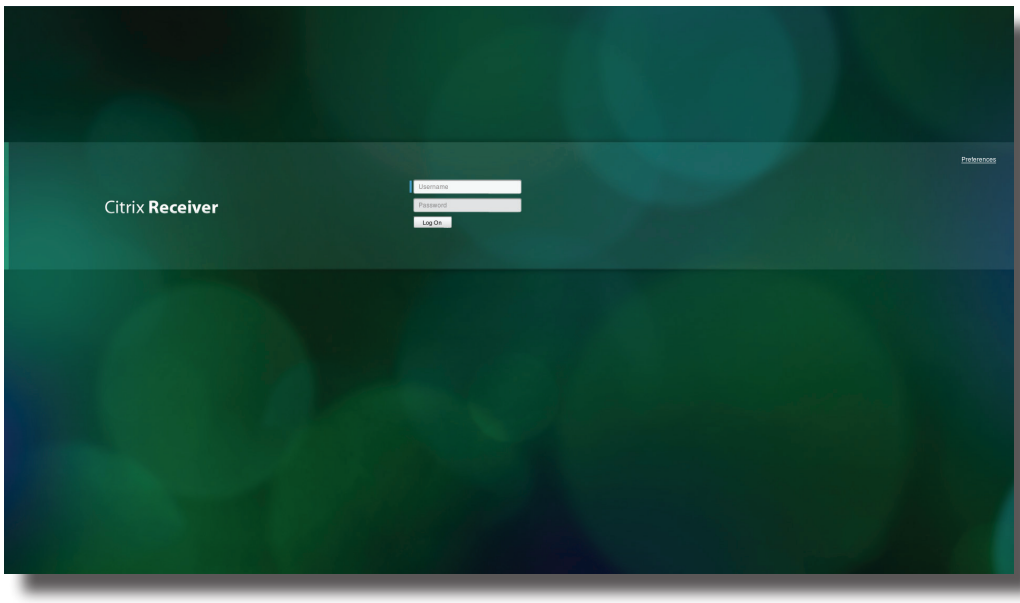
Citrix Logon Screen Example: XenApp 6.0 Fundamentals



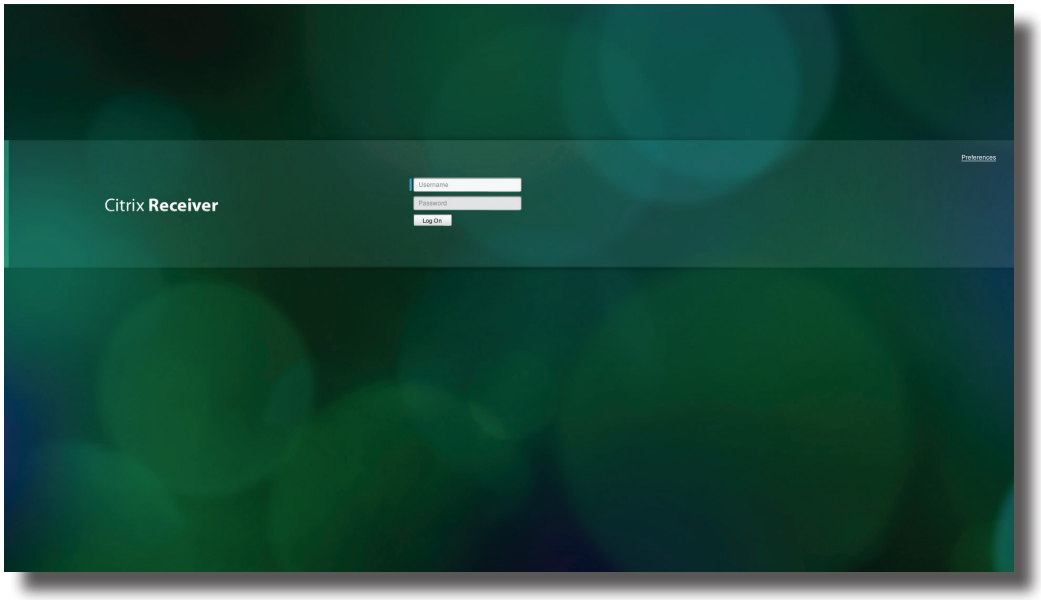
Citrix Logon Screen Example: XenApp 6.5 Platinum

Citrix Logon Screen Example: XenDesktop 5.6 Platinum

Citrix Logon Screen Example: VDI-in-a-Box



Citrix Logon Screen Example: XenApp and XenDesktop 7.5 Platinum



3. Type in the required credentials, and then click **Log On**.

NOTE

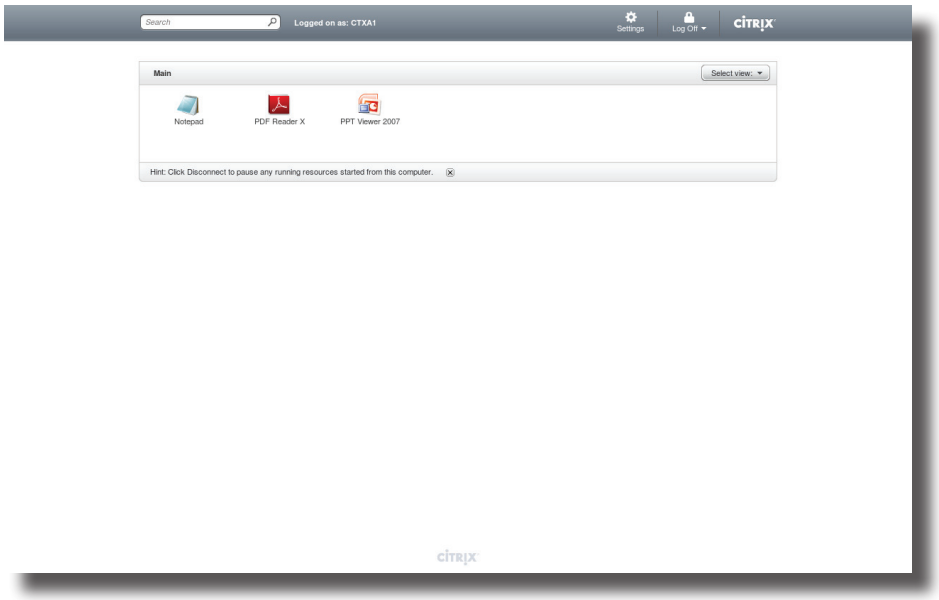
- If your XenApp server doesn't belong to any domain, type in the server name in the Domain field instead.

4. On the Desktop or Application Selection screen, click to select the desired desktop or application(s).

NOTE

- You might enter the virtual desktop directly if only one type of virtual desktop is assigned to the provided credentials.

Selection Screen Example: XenApp 6.5 Platinum



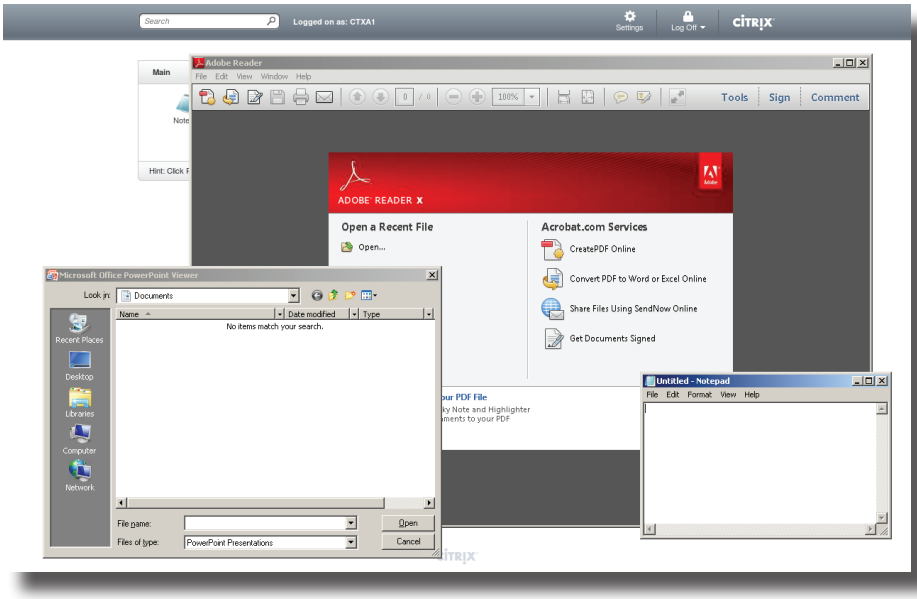
Selection Screen Example: XenDesktop 5.6 Platinum

Selection Screen Example: XenApp 7.5 Platinum

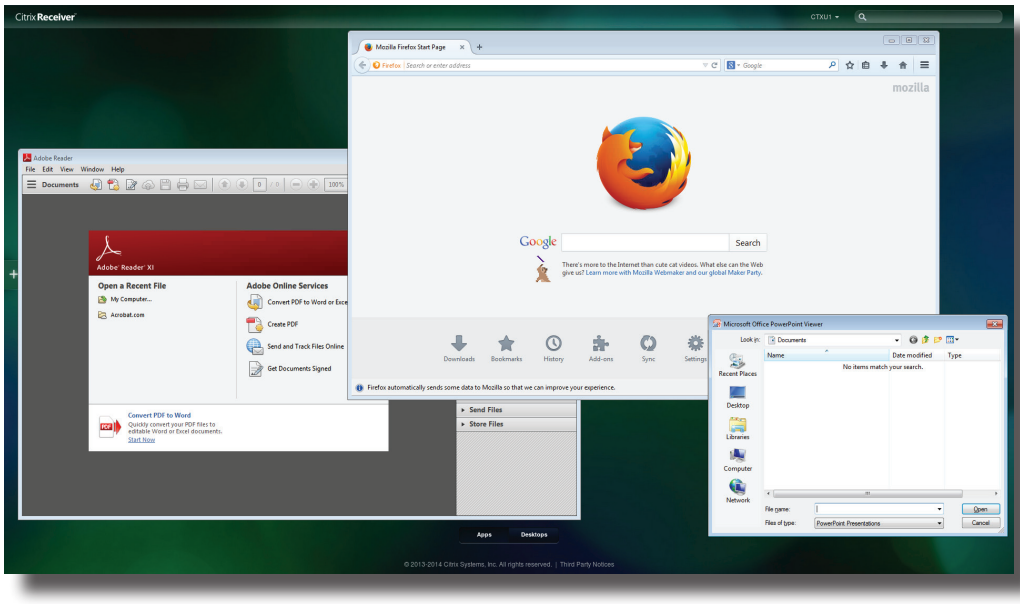
Selection Screen Example: XenDesktop 7.5 Platinum

5. The selected virtual desktop or application(s) will be displayed on the screen.

Virtual Application Examples
PowerPoint Viewer, Adobe Reader, and Notepad

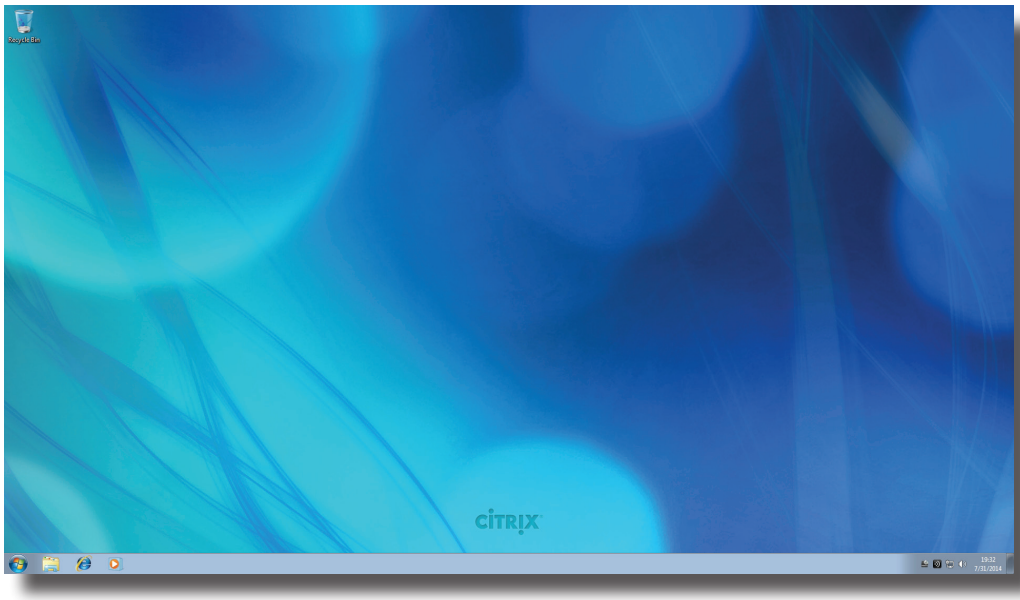


Virtual Application Examples
Adobe Reader, Mozilla Firefox, and PowerPoint Viewer



Virtual Desktop Example
Windows 7 Ultimate

Virtual Desktop Example
Windows Server 2008 R2



4.6.11 Configuring Advanced ICA Connection Settings

The tables below provide a description of each setting item for ICA connections. Please refer to these tables to configure advanced settings and customize shortcuts on the local desktop and START menu for service access.

NOTE

- Please note that available settings vary with the selected connection type.

Settings for the Connection Type of Web Logon

NOTE

- For descriptions of available settings for the connection type of StoreFront, please refer to "Settings for the Connection Type of StoreFront" on page 173.
- For descriptions of available settings for the connection type of VDI-in-a-Box, please refer to "Settings for the Connection Type of VDI-in-a-Box" on page 178.
- For descriptions of settings for the connection type of XenDesktop, please refer to "Settings for the Connection Type of XenDesktop" on page 183.
- For descriptions of settings for the connection type of XenApp, please refer to "Settings for the Connection Type of XenApp" on page 188.
- For descriptions of settings for the connection type of Server Connection, please refer to "Settings for the Connection Type of Server Connection" on page 193.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name of browser sessions for Citrix service access.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when Web Logon is selected.

Six connection types are available:

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Web Logon</td><td>Provides access to virtual desktops and applications through the interface of a Web browser (Mozilla Firefox).</td></tr>
<tr><td>StoreFront</td><td>Provides access to virtual desktops and applications through a StoreFront.</td></tr>
<tr><td>VDI-in-a-Box</td><td>Provides access to virtual desktops through VDI-in-a-Box.</td></tr>
<tr><td>XenDesktop</td><td>Provides access to virtual desktops for an earlier version of XenDesktop.</td></tr>
<tr><td>XenApp</td><td>Provides access to virtual applications for an earlier version of XenApp.</td></tr>
<tr><td>Server Connection</td><td>Provides access to servers for administration (XenApp servers only).</td></tr>
</table>

Refer to the table below for Citrix products and recommended connection types:

<table>
<tr><th>Citrix Product</th><th>Recommended Connection Type</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>XenApp / Web Logon</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>XenDesktop / Web Logon</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront / Web Logon</td></tr>
<tr><td>VDI-in-a-Box</td><td>VDI-in-a-Box / Web Logon</td></tr>
</table>
</td></tr>
<tr><td>Server Address</td><td>Type in the IP address / URL / FQDN of the server through which Citrix services are accessible.

Refer to the table below for details:

<table>
<tr><th>Citrix Product</th><th>Component to Connect</th><th>Connection Address</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>Web Interface</td><td>IP / URL / FQDN</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>Web Interface</td><td>IP / URL / FQDN</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront</td><td>IP / URL / FQDN plus sub-path

For example —
FQDN: X75.CTX.poc
Sub-path: /Citrix/StoreWeb (default)
Connection Address:
X75.CTX.poc/Citrix/StoreWeb</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th colspan="2">Common Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Autostart When Startup</td><td>
Select whether to open a browser session for Citrix service access automatically or not when your t180L/t180LB is started up (Autostart mode).

NOTE: There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

<table>
<tr><th>No.</th><th>Mode</th><th>Description</th></tr>
<tr><td>1</td><td>Appliance</td><td>The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session.

Available actions include:
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>2</td><td>Autostart</td><td>The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session.

Available actions include:
• Returning to the local desktop
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>3</td><td>Quick Connection</td><td>The default. The client will enter Atrust Quick Connection screen after system startup.</td></tr>
</table>

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.
</td></tr>
<tr><td>On Application Exit</td><td>
Select what to do when a browser session for Citrix service access is ended. Four options are available: Do Nothing, Restart Application, Reboot, and Shutdown.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Do Nothing</td><td>Returns to the Local Linux desktop.</td></tr>
<tr><td>Restart Application</td><td>Opens a browser session again for service access.</td></tr>
<tr><td>Reboot</td><td>Restarts your thin client.</td></tr>
<tr><td>Shutdown</td><td>Turns off your thin client.</td></tr>
</table>
</td></tr>
</table>

Options Sub-tab

Device Mapping	
Item	**Description**
Mapping Local USB Storage	Click the drop-down menu to enable/disable the mapping of the local USB drive(s) and to select access type in a Citrix ICA session. Three options are available: **No**, **Read Only**, and **Read Write**. If **Read Only** or **Read Write** is selected, the locally attached USB drive(s) will become available in launched Citrix ICA sessions. **NOTE:** You need to enable local USB storage drive(s) as well. See section "4.4.3 Configuring Settings for USB Storage Devices" on page 82 for details.
Mapping Local Serial Ports	Click the drop-down menu to enable/disable the mapping of the local serial device(s) in a Citrix ICA session. If **Yes** is selected, the locally attached serial device(s) will become available in launched Citrix ICA sessions. **NOTE:** This setting item is not applicable to your t180L/t180LB. However, if you use a serial-based barcode scanner, and attach it to your t180L/t180LB with a serial-to-USB adapter, you need to enable this setting in order to use the local barcode scanner in a virtual desktop.
Mapping Local Printers	Click the drop-down menu to enable/disable the mapping of the local printer(s) in a Citrix ICA session. If **Yes** is selected, the locally attached printer(s) will become available in launched Citrix ICA sessions. **NOTE:** To enable locally attached printer(s), please refer to section "4.4.7 Adding a Local Printer" on page 86 for detailed instructions.
Connection Settings	
Item	**Description**
Rendering Type	Click the drop-down menu to select resources rendering on the endpoint or the server. Two options are available: **Server Rendering** and **Client Rendering**. **NOTE:** The **Client Rendering** option may not be available on your system.
HDX RealTime WebCam	This item is available only when **Client Rendering** is selected. When **Yes** is selected, a locally attached webcam can be used in an ICA session.
Use H264 Compression	Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.
USB Redirection Settings	
Item	**Description**
USB Storage	Please refer to "Advanced Quick Connection Settings for Citrix ICA Sessions" on page 57 for detailed instructions on these similar settings.
Printers	
Redirect Connected USB Devices	
Plugged USB Devices	
Redirection Rules	

Settings for the Connection Type of StoreFront

NOTE

- For descriptions of available settings for the connection type of Web Logon, please refer to "Settings for the Connection Type of Web Logon" on page 169.
- For descriptions of settings for the connection type of VDI-in-a-Box, please refer to "Settings for the Connection Type of VDI-in-a-Box" on page 178.
- For descriptions of settings for the connection type of XenDesktop, please refer to "Settings for the Connection Type of XenDesktop" on page 183.
- For descriptions of settings for the connection type of XenApp, please refer to "Settings for the Connection Type of XenApp" on page 188.
- For descriptions of settings for the connection type of Server Connection, please refer to "Settings for the Connection Type of Server Connection" on page 193.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Citrix ICA sessions.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when StoreFront is selected.

Six connection types are available:
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Web Logon</td><td>Provides access to virtual desktops and applications through the interface of a Web browser (Mozilla Firefox).</td></tr>
<tr><td>StoreFront</td><td>Provides access to virtual desktops and applications through a StoreFront.</td></tr>
<tr><td>VDI-in-a-Box</td><td>Provides access to virtual desktops through VDI-in-a-Box.</td></tr>
<tr><td>XenDesktop</td><td>Provides access to virtual desktops for an earlier version of XenDesktop.</td></tr>
<tr><td>XenApp</td><td>Provides access to virtual applications for an earlier version of XenApp.</td></tr>
<tr><td>Server Connection</td><td>Provides access to servers for administration (XenApp servers only).</td></tr>
</table>

Refer to the table below for Citrix products and recommended connection types:
<table>
<tr><th>Citrix Product</th><th>Recommended Connection Type</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>XenApp / Web Logon</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>XenDesktop / Web Logon</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront / Web Logon</td></tr>
<tr><td>VDI-in-a-Box</td><td>VDI-in-a-Box / Web Logon</td></tr>
</table></td></tr>
</table>

Server Address	Type in the IP address / URL / FQDN of the server through which virtual desktops or applications are accessible (where a StoreFront is hosted).
Username	Type in the user/account name used for authentication.
Password	Type in the password of the user account used for authentication.
Domain	Type in the domain of the server.
Desktop Group / Application	Type in the name of the desktop group / application or use the Search icon in front of the field to discover available desktop groups / applications.

Common Settings

Item	**Description**
Autostart When Startup	Select whether to open a Citrix ICA session automatically or not when your t180L/t180LB is started up (Autostart mode). **NOTE:** There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

No.	Mode	Description
1	Appliance	The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.

<table>
<tr>
<td>On Application Exit</td>
<td>Select what to do when a Citrix ICA session is ended. Four options are available: Do Nothing, Restart Application, Reboot, and Shutdown.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Do Nothing</td><td>Returns to the Local Linux desktop.</td></tr>
<tr><td>Restart Application</td><td>Opens an ICA session again.</td></tr>
<tr><td>Reboot</td><td>Restarts your thin client.</td></tr>
<tr><td>Shutdown</td><td>Turns off your thin client.</td></tr>
</table>
</td>
</tr>
</table>

Options Sub-tab

Window Settings	
Item	**Description**
Color Depth	Click the drop-down menu to select the desired color quality for a Citrix ICA session. Three options are available: **16 Bit**, **24 Bit**, and **Automatic**.
Window Size	Click the drop-down menu to select the desired window size of a Citrix ICA session. Four options are available: **Full Screen**, **1280x1024**, **1024x768**, and **800x600**.
Window Mode	Click the drop-down menu to select the desired window mode. Two options are available: **Regular Window** and **Seamless Window**.
Device Mapping	
Item	**Description**
Mapping Local USB Storage	Click the drop-down menu to enable/disable the mapping of the local USB drive(s) in a Citrix ICA session. **NOTE:** You need to enable local USB storage drive(s) as well. See section "4.4.3 Configuring Settings for USB Storage Devices" on page 82 for details.
Mapping Local Serial Ports	Click the drop-down menu to enable/disable the mapping of the local serial device(s) in a Citrix ICA session. If **Yes** is selected, the locally attached serial device(s) will become available in launched Citrix ICA sessions. **NOTE:** This setting item is not applicable to your t180L/t180LB. However, if you use a serial-based barcode scanner, and attach it to your t180L/t180LB with a serial-to-USB adapter, you need to enable this setting in order to use the local barcode scanner in a virtual desktop.
Mapping Local Printers	Click the drop-down menu to enable/disable the mapping of the local printer(s) in a Citrix ICA session. If **Yes** is selected, the locally attached printer(s) will become available in launched Citrix ICA sessions. **NOTE:** To enable locally attached printer(s), please refer to section "4.4.7 Adding a Local Printer" on page 86 for detailed instructions.

<table>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Rendering Type</td><td>Click the drop-down menu to select resources rendering on the endpoint or the server. Two options are available: Server Rendering and Client Rendering.

NOTE: The Client Rendering option may not be available on your system.</td></tr>
<tr><td>HDX RealTime WebCam</td><td>This item is available only when Client Rendering is selected.

When Yes is selected, a locally attached webcam can be used in an ICA session.</td></tr>
<tr><td>Use H264 Compression</td><td>Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.</td></tr>
<tr><td>Enable Automatic Reconnect</td><td>Check/Uncheck to enable/disable automatic reconnecting after an ICA session was interrupted.

NOTE: Automatic reconnecting (Auto Client Reconnect) may not work for a XenDesktop ICA session. This is a known issue. For more details, please visit Citrix websites at support.citrix.com or www.citrix.com.</td></tr>
<tr><td>Number of Retries</td><td>Click the drop-down menu to select the number of retries, ranging from 1 to 10.</td></tr>
<tr><td>Delay between Retries</td><td>Click the drop-down menu to select the delay time between retries, ranging from 5 to 60 seconds.</td></tr>
<tr><td>Enable Audio</td><td>Check/Uncheck to enable/disable sound in an ICA session.</td></tr>
<tr><td>Audio Quality</td><td>Click the drop-down menu to choose the desired sound quality in an ICA session. Three options are available: High Quality, Medium Quality, and Low Quality.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>High Quality</td><td>Allows endpoint devices to play a sound file at its native data transfer rate. This is recommended for connections where bandwidth is plentiful and sound quality is important.</td></tr>
<tr><td>Medium Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 64Kbps, resulting in a moderate decrease in the quality of the sound. This option is suitable for speeches and recommended for most LAN-based connections.</td></tr>
<tr><td>Low Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 16Kbps, resulting in a significant decrease in the quality of the sound. This option is suitable for low-bandwidth connections, allowing reasonable audio performance during a low-speed connection.</td></tr>
</table></td></tr>
<tr><td>Enable Audio Input</td><td>Check/Uncheck to enable/disable audio input in an ICA session.</td></tr>
</table>

<table>
<tr><td>Windows Key Combination</td><td>Click the drop-down menu to select where to apply Windows Key Combinations. Three options are available: On the local computer, On the remote server, and In full screen mode only.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>On the local computer</td><td>Applies to the local desktop only.</td></tr><tr><td>On the remote server</td><td>Applies to the virtual desktop only.</td></tr><tr><td>In full screen mode only</td><td>Applies to the virtual desktop only when the desktop is running in the full-screen mode.</td></tr></table></td></tr>
<tr><td colspan="2">USB Redirection Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>USB Storage</td><td rowspan="5">Please refer to “Advanced Quick Connection Settings for Citrix ICA Sessions” on page 57 for detailed instructions on these similar settings.</td></tr>
<tr><td>Printers</td></tr>
<tr><td>Redirect Connected USB Devices</td></tr>
<tr><td>Plugged USB Devices</td></tr>
<tr><td>Redirection Rules</td></tr>
</table>

Settings for the Connection Type of VDI-in-a-Box

NOTE

- For descriptions of available settings for the connection type of Web Logon, please refer to "Settings for the Connection Type of Web Logon" on page 169.
- For descriptions of settings for the connection type of StoreFront, please refer to "Settings for the Connection Type of StoreFront" on page 173.
- For descriptions of settings for the connection type of XenDesktop, please refer to "Settings for the Connection Type of XenDesktop" on page 183.
- For descriptions of settings for the connection type of XenApp, please refer to "Settings for the Connection Type of XenApp" on page 188.
- For descriptions of settings for the connection type of Server Connection, please refer to "Settings for the Connection Type of Server Connection" on page 193.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Citrix ICA sessions.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when VDI-in-a-Box is selected.

Six connection types are available:

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Web Logon</td><td>Provides access to virtual desktops and applications through the interface of a Web browser (Mozilla Firefox).</td></tr>
<tr><td>StoreFront</td><td>Provides access to virtual desktops and applications through a StoreFront.</td></tr>
<tr><td>VDI-in-a-Box</td><td>Provides access to virtual desktops through VDI-in-a-Box.</td></tr>
<tr><td>XenDesktop</td><td>Provides access to virtual desktops for an earlier version of XenDesktop.</td></tr>
<tr><td>XenApp</td><td>Provides access to virtual applications for an earlier version of XenApp.</td></tr>
<tr><td>Server Connection</td><td>Provides access to servers for administration (XenApp servers only).</td></tr>
</table>

Refer to the table below for Citrix products and recommended connection types:

<table>
<tr><th>Citrix Product</th><th>Recommended Connection Type</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>XenApp / Web Logon</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>XenDesktop / Web Logon</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront / Web Logon</td></tr>
<tr><td>VDI-in-a-Box</td><td>VDI-in-a-Box / Web Logon</td></tr>
</table>
</td></tr>
</table>

Server Address	Type in the IP address / URL / FQDN of the server through which virtual desktops are accessible.
Username	Type in the user/account name used for authentication.
Password	Type in the password of the user account used for authentication.
Domain	Type in the domain of the server.
Desktop Group / Application	Type in the name of the desktop group or use the Search icon in front of the field to discover available desktop groups.

Common Settings

Item	**Description**
Autostart When Startup	Select whether to open a Citrix ICA session automatically or not when your t180L/t180LB is started up (Autostart mode). **NOTE:** There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

No.	**Mode**	**Description**
1	Appliance	The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.

<table>
<tr>
<td>On Application Exit</td>
<td>Select what to do when a Citrix ICA session is ended. Four options are available: Do Nothing, Restart Application, Reboot, and Shutdown.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Do Nothing</td><td>Returns to the Local Linux desktop.</td></tr>
<tr><td>Restart Application</td><td>Opens an ICA session again.</td></tr>
<tr><td>Reboot</td><td>Restarts your thin client.</td></tr>
<tr><td>Shutdown</td><td>Turns off your thin client.</td></tr>
</table>
</td>
</tr>
</table>

Options Sub-tab

Window Settings	
Item	**Description**
Color Depth	Click the drop-down menu to select the desired color quality for a Citrix ICA session. Three options are available: **16 Bit**, **24 Bit**, and **Automatic**.
Window Size	Click the drop-down menu to select the desired window size of a Citrix ICA session. Four options are available: **Full Screen**, **1280x1024**, **1024x768**, and **800x600**.
Device Mapping	
Item	**Description**
Mapping Local USB Storage	Click the drop-down menu to enable/disable the mapping of the local USB drive(s) in a Citrix ICA session. **NOTE:** You need to enable local USB storage drive(s) as well. See section "4.4.3 Configuring Settings for USB Storage Devices" on page 82 for details.
Mapping Local Serial Ports	Click the drop-down menu to enable/disable the mapping of the local serial device(s) in a Citrix ICA session. If **Yes** is selected, the locally attached serial device(s) will become available in launched Citrix ICA sessions. **NOTE:** This setting item is not applicable to your t180L/t180LB. However, if you use a serial-based barcode scanner, and attach it to your t180L/t180LB with a serial-to-USB adapter, you need to enable this setting in order to use the local barcode scanner in a virtual desktop.
Mapping Local Printers	Click the drop-down menu to enable/disable the mapping of the local printer(s) in a Citrix ICA session. If **Yes** is selected, the locally attached printer(s) will become available in launched Citrix ICA sessions. **NOTE:** To enable locally attached printer(s), please refer to section "4.4.7 Adding a Local Printer" on page 86 for detailed instructions.

<table>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Rendering Type</td><td>Click the drop-down menu to select resources rendering on the endpoint or the server. Two options are available: Server Rendering and Client Rendering.

NOTE: The Client Rendering option may not be available on your system.</td></tr>
<tr><td>HDX RealTime WebCam</td><td>This item is available only when Client Rendering is selected.

When Yes is selected, a locally attached webcam can be used in an ICA session.</td></tr>
<tr><td>Use H264 Compression</td><td>Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.</td></tr>
<tr><td>Enable Automatic Reconnect</td><td>Check/Uncheck to enable/disable automatic reconnecting after an ICA session was interrupted.

NOTE: Automatic reconnecting (Auto Client Reconnect) may not work for a XenDesktop ICA session. This is a known issue. For more details, please visit Citrix websites at support.citrix.com or www.citrix.com.</td></tr>
<tr><td>Number of Retries</td><td>Click the drop-down menu to select the number of retries, ranging from 1 to 10.</td></tr>
<tr><td>Delay between Retries</td><td>Click the drop-down menu to select the delay time between retries, ranging from 5 to 60 seconds.</td></tr>
<tr><td>Enable Audio</td><td>Check/Uncheck to enable/disable sound in an ICA session.</td></tr>
<tr><td>Audio Quality</td><td>Click the drop-down menu to choose the desired sound quality in an ICA session. Three options are available: High Quality, Medium Quality, and Low Quality.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>High Quality</td><td>Allows endpoint devices to play a sound file at its native data transfer rate. This is recommended for connections where bandwidth is plentiful and sound quality is important.</td></tr>
<tr><td>Medium Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 64Kbps, resulting in a moderate decrease in the quality of the sound. This option is suitable for speeches and recommended for most LAN-based connections.</td></tr>
<tr><td>Low Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 16Kbps, resulting in a significant decrease in the quality of the sound. This option is suitable for low-bandwidth connections, allowing reasonable audio performance during a low-speed connection.</td></tr>
</table></td></tr>
<tr><td>Enable Audio Input</td><td>Check/Uncheck to enable/disable audio input in an ICA session.</td></tr>
</table>

<table>
<tr><td>Windows Key Combination</td><td>Click the drop-down menu to select where to apply Windows Key Combinations. Three options are available: On the local computer, On the remote server, and In full screen mode only.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>On the local computer</td><td>Applies to the local desktop only.</td></tr><tr><td>On the remote server</td><td>Applies to the virtual desktop only.</td></tr><tr><td>In full screen mode only</td><td>Applies to the virtual desktop only when the desktop is running in the full-screen mode.</td></tr></table></td></tr>
<tr><td colspan="2">USB Redirection Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>USB Storage</td><td rowspan="5">Please refer to “Advanced Quick Connection Settings for Citrix ICA Sessions” on page 57 for detailed instructions on these similar settings.</td></tr>
<tr><td>Printers</td></tr>
<tr><td>Redirect Connected USB Devices</td></tr>
<tr><td>Plugged USB Devices</td></tr>
<tr><td>Redirection Rules</td></tr>
</table>

Settings for the Connection Type of XenDesktop

NOTE

- For descriptions of available settings for the connection type of Web Logon, please refer to "Settings for the Connection Type of Web Logon" on page 169.
- For descriptions of settings for the connection type of StoreFront, please refer to "Settings for the Connection Type of StoreFront" on page 173.
- For descriptions of settings for the connection type of VDI-in-a-Box, please refer to "Settings for the Connection Type of VDI-in-a-Box" on page 178.
- For descriptions of settings for the connection type of XenApp, please refer to "Settings for the Connection Type of XenApp" on page 188.
- For descriptions of settings for the connection type of Server Connection, please refer to "Settings for the Connection Type of Server Connection" on page 193.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Citrix ICA sessions.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when XenDesktop is selected.

Six connection types are available:

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Web Logon</td><td>Provides access to virtual desktops and applications through the interface of a Web browser (Mozilla Firefox).</td></tr>
<tr><td>StoreFront</td><td>Provides access to virtual desktops and applications through a StoreFront.</td></tr>
<tr><td>VDI-in-a-Box</td><td>Provides access to virtual desktops through VDI-in-a-Box.</td></tr>
<tr><td>XenDesktop</td><td>Provides access to virtual desktops for an earlier version of XenDesktop.</td></tr>
<tr><td>XenApp</td><td>Provides access to virtual applications for an earlier version of XenApp.</td></tr>
<tr><td>Server Connection</td><td>Provides access to servers for administration (XenApp servers only).</td></tr>
</table>

Refer to the table below for Citrix products and recommended connection types:

<table>
<tr><th>Citrix Product</th><th>Recommended Connection Type</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>XenApp / Web Logon</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>XenDesktop / Web Logon</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront / Web Logon</td></tr>
<tr><td>VDI-in-a-Box</td><td>VDI-in-a-Box / Web Logon</td></tr>
</table>
</td></tr>
</table>

Server Address	Type in the IP address / URL / FQDN of the server through which virtual desktops are accessible (where a Web Interface is hosted).
Username	Type in the user/account name used for authentication.
Password	Type in the password of the user account used for authentication.
Domain	Type in the domain of the server.
Desktop Group	Type in the name of the desktop group or use the Search icon in front of the field to discover available desktop groups.

Common Settings

Item	**Description**
Autostart When Startup	Select whether to open a Citrix ICA session automatically or not when your t180L/t180LB is started up (Autostart mode). **NOTE:** There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

No.	Mode	Description
1	Appliance	The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.

On Application Exit	Select what to do when a Citrix ICA session is ended. Four options are available: **Do Nothing**, **Restart Application**, **Reboot**, and **Shutdown**. **Option** / **Description** Do Nothing — Returns to the Local Linux desktop. Restart Application — Opens an ICA session again. Reboot — Restarts your thin client. Shutdown — Turns off your thin client.

Options Sub-tab

Window Settings	
Item	**Description**
Color Depth	Click the drop-down menu to select the desired color quality for a Citrix ICA session. Three options are available: **16 Bit**, **24 Bit**, and **Automatic**.
Window Size	Click the drop-down menu to select the desired window size of a Citrix ICA session. Four options are available: **Full Screen**, **1280x1024**, **1024x768**, and **800x600**.
Device Mapping	
Item	**Description**
Mapping Local USB Storage	Click the drop-down menu to enable/disable the mapping of the local USB drive(s) in a Citrix ICA session. **NOTE:** You need to enable local USB storage drive(s) as well. See section "4.4.3 Configuring Settings for USB Storage Devices" on page 82 for details.
Mapping Local Serial Ports	Click the drop-down menu to enable/disable the mapping of the local serial device(s) in a Citrix ICA session. If **Yes** is selected, the locally attached serial device(s) will become available in launched Citrix ICA sessions. **NOTE:** This setting item is not applicable to your t180L/t180LB. However, if you use a serial-based barcode scanner, and attach it to your t180L/t180LB with a serial-to-USB adapter, you need to enable this setting in order to use the local barcode scanner in a virtual desktop.
Mapping Local Printers	Click the drop-down menu to enable/disable the mapping of the local printer(s) in a Citrix ICA session. If **Yes** is selected, the locally attached printer(s) will become available in launched Citrix ICA sessions. **NOTE:** To enable locally attached printer(s), please refer to section "4.4.7 Adding a Local Printer" on page 86 for detailed instructions.

<table>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Rendering Type</td><td>Click the drop-down menu to select resources rendering on the endpoint or the server. Two options are available: Server Rendering and Client Rendering.

NOTE: The Client Rendering option may not be available on your system.</td></tr>
<tr><td>HDX RealTime WebCam</td><td>This item is available only when Client Rendering is selected.

When Yes is selected, a locally attached webcam can be used in an ICA session.</td></tr>
<tr><td>Use H264 Compression</td><td>Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.</td></tr>
<tr><td>Enable Automatic Reconnect</td><td>Check/Uncheck to enable/disable automatic reconnecting after an ICA session was interrupted.

NOTE: Automatic reconnecting (Auto Client Reconnect) may not work for a XenDesktop ICA session. This is a known issue. For more details, please visit Citrix websites at support.citrix.com or www.citrix.com.</td></tr>
<tr><td>Number of Retries</td><td>Click the drop-down menu to select the number of retries, ranging from 1 to 10.</td></tr>
<tr><td>Delay between Retries</td><td>Click the drop-down menu to select the delay time between retries, ranging from 5 to 60 seconds.</td></tr>
<tr><td>Enable Audio</td><td>Check/Uncheck to enable/disable sound in an ICA session.</td></tr>
<tr><td>Audio Quality</td><td>Click the drop-down menu to choose the desired sound quality in an ICA session. Three options are available: High Quality, Medium Quality, and Low Quality.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>High Quality</td><td>Allows endpoint devices to play a sound file at its native data transfer rate. This is recommended for connections where bandwidth is plentiful and sound quality is important.</td></tr>
<tr><td>Medium Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 64Kbps, resulting in a moderate decrease in the quality of the sound. This option is suitable for speeches and recommended for most LAN-based connections.</td></tr>
<tr><td>Low Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 16Kbps, resulting in a significant decrease in the quality of the sound. This option is suitable for low-bandwidth connections, allowing reasonable audio performance during a low-speed connection.</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>Enable Audio Input</td><td>Check/Uncheck to enable/disable audio input in an ICA session.</td></tr>
<tr><td>Windows Key Combination</td><td>Click the drop-down menu to select where to apply Windows Key Combinations. Three options are available: On the local computer, On the remote server, and In full screen mode only.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>On the local computer</td><td>Applies to the local desktop only.</td></tr><tr><td>On the remote server</td><td>Applies to the virtual desktop only.</td></tr><tr><td>In full screen mode only</td><td>Applies to the virtual desktop only when the desktop is running in the full-screen mode.</td></tr></table></td></tr>
<tr><td colspan="2">USB Redirection Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>USB Storage</td><td rowspan="5">Please refer to “Advanced Quick Connection Settings for Citrix ICA Sessions” on page 57 for detailed instructions on these similar settings.</td></tr>
<tr><td>Printers</td></tr>
<tr><td>Redirect Connected USB Devices</td></tr>
<tr><td>Plugged USB Devices</td></tr>
<tr><td>Redirection Rules</td></tr>
</table>

Settings for the Connection Type of XenApp

NOTE

- For descriptions of available settings for the connection type of Web Logon, please refer to "Settings for the Connection Type of Web Logon" on page 169.
- For descriptions of settings for the connection type of StoreFront, please refer to "Settings for the Connection Type of StoreFront" on page 173.
- For descriptions of settings for the connection type of VDI-in-a-Box, please refer to "Settings for the Connection Type of VDI-in-a-Box" on page 178.
- For descriptions of available settings for the connection type of XenDesktop, please refer to "Settings for the Connection Type of XenDesktop" on page 183.
- For descriptions of settings for the connection type of Server Connection, please refer to "Settings for the Connection Type of Server Connection" on page 193.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Citrix ICA sessions.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when XenApp is selected.

Six connection types are available:

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Web Logon</td><td>Provides access to virtual desktops and applications through the interface of a Web browser (Mozilla Firefox).</td></tr>
<tr><td>StoreFront</td><td>Provides access to virtual desktops and applications through a StoreFront.</td></tr>
<tr><td>VDI-in-a-Box</td><td>Provides access to virtual desktops through VDI-in-a-Box.</td></tr>
<tr><td>XenDesktop</td><td>Provides access to virtual desktops for an earlier version of XenDesktop.</td></tr>
<tr><td>XenApp</td><td>Provides access to virtual applications for an earlier version of XenApp.</td></tr>
<tr><td>Server Connection</td><td>Provides access to servers for administration (XenApp servers only).</td></tr>
</table>

Refer to the table below for Citrix products and recommended connection types:

<table>
<tr><th>Citrix Product</th><th>Recommended Connection Type</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>XenApp / Web Logon</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>XenDesktop / Web Logon</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront / Web Logon</td></tr>
<tr><td>VDI-in-a-Box</td><td>VDI-in-a-Box / Web Logon</td></tr>
</table>
</td></tr>
</table>

Server Address	Type in the IP address / URL / FQDN of a XenApp server.
Username	Type in the user/account name used for authentication.
Password	Type in the password of the user account used for authentication.
Domain	Type in the domain of the server.
Application Name	Type in the application name or use the Search icon in front of the field to discover available applications.
Common Settings	
Item	**Description**
Autostart When Startup	Select whether to open a Citrix ICA session automatically or not when your t180L/t180LB is started up (Autostart mode). **NOTE:** There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows: **No. / Mode / Description** 1 Appliance — The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client 2 Autostart — The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client 3 Quick Connection — **The default.** The client will enter Atrust Quick Connection screen after system startup. **NOTE:** To use the Autostart mode, ensure that the Appliance mode is disabled.

<table>
<tr><td>On Application Exit</td><td>Select what to do when a Citrix ICA session is ended. Four options are available: Do Nothing, Restart Application, Reboot, and Shutdown.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Do Nothing</td><td>Returns to the Local Linux desktop.</td></tr><tr><td>Restart Application</td><td>Opens an ICA session again.</td></tr><tr><td>Reboot</td><td>Restarts your thin client.</td></tr><tr><td>Shutdown</td><td>Turns off your thin client.</td></tr></table></td></tr>
<tr><td>Manual Parameters</td><td>Type in parameters for extended parameter passing.</td></tr>
</table>

Options Sub-tab

Window Settings	
Item	**Description**
Color Depth	Click the drop-down menu to select the desired color quality for a Citrix ICA session. Three options are available: **16 Bit**, **24 Bit**, and **Automatic**.
Window Size	This item is available only when **Regular Window** is selected. Click the drop-down menu to select the desired window size of a Citrix ICA session. Four options are available: **Full Screen**, **1280x1024**, **1024x768**, and **800x600**.
Window Mode	Click the drop-down menu to select the desired window mode. Two options are available: **Regular Window** and **Seamless Window**.
Device Mapping	
Item	**Description**
Mapping Local USB Storage	Click the drop-down menu to enable/disable the mapping of the local USB drive(s) in a Citrix ICA session. **NOTE:** You need to enable local USB storage drive(s) as well. See section "4.4.3 Configuring Settings for USB Storage Devices" on page 82 for details.
Mapping Local Serial Ports	Click the drop-down menu to enable/disable the mapping of the local serial device(s) in a Citrix ICA session. If **Yes** is selected, the locally attached serial device(s) will become available in launched Citrix ICA sessions. **NOTE:** This setting item is not applicable to your t180L/t180LB. However, if you use a serial-based barcode scanner, and attach it to your t180L/t180LB with a serial-to-USB adapter, you need to enable this setting in order to use the local barcode scanner in a delivered application.

Mapping Local Printers	Click the drop-down menu to enable/disable the mapping of the local printer(s) in a Citrix ICA session. If **Yes** is selected, the locally attached printer(s) will become available in launched Citrix ICA sessions. **NOTE:** To enable locally attached printer(s), please refer to section "4.4.7 Adding a Local Printer" on page 86 for detailed instructions.
Connection Settings	
Item	**Description**
Rendering Type	Click the drop-down menu to select resources rendering on the endpoint or the server. Two options are available: **Server Rendering** and **Client Rendering**. **NOTE:** The **Client Rendering** option may not be available on your system.
HDX RealTime WebCam	This item is available only when **Client Rendering** is selected. When **Yes** is selected, a locally attached webcam can be used in an ICA session.
Use H264 Compression	Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.
Network Protocol	Click the drop-down menu to select the protocol(s) used for connection. Three options are available: **TCP/IP**, **TCP/IP + HTTP server location**, and **SSL/TLS + HTTPS server location**.
Enable Automatic Reconnect	Check/Uncheck to enable/disable automatic reconnecting after an ICA session was interrupted.
Number of Retries	Click the drop-down menu to select the number of retries, ranging from 1 to 10.
Delay between Retries	Click the drop-down menu to select the delay time between retries, ranging from 5 to 60 seconds.
Enable Audio	Check/Uncheck to enable/disable sound in an ICA session.

<table>
<tr><td>Audio Quality</td><td>Click the drop-down menu to choose the desired sound quality in an ICA session. Three options are available: High Quality, Medium Quality, and Low Quality.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>High Quality</td><td>Allows endpoint devices to play a sound file at its native data transfer rate. This is recommended for connections where bandwidth is plentiful and sound quality is important.</td></tr><tr><td>Medium Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 64Kbps, resulting in a moderate decrease in the quality of the sound. This option is suitable for speeches and recommended for most LAN-based connections.</td></tr><tr><td>Low Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 16Kbps, resulting in a significant decrease in the quality of the sound. This option is suitable for low-bandwidth connections, allowing reasonable audio performance during a low-speed connection.</td></tr></table></td></tr>
<tr><td>Enable Audio Input</td><td>Check/Uncheck to enable/disable audio input in an ICA session.</td></tr>
<tr><td>Windows Key Combination</td><td>Click the drop-down menu to select where to apply Windows Key Combinations. Three options are available: On the local computer, On the remote server, and In full screen mode only.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>On the local computer</td><td>Applies to the local desktop only.</td></tr><tr><td>On the remote server</td><td>Applies to the virtual desktop only.</td></tr><tr><td>In full screen mode only</td><td>Applies to the virtual desktop only when the desktop is running in the full-screen mode.</td></tr></table></td></tr>
<tr><td colspan="2">USB Redirection Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>USB Storage</td><td rowspan="5">Please refer to “Advanced Quick Connection Settings for Citrix ICA Sessions” on page 57 for detailed instructions on these similar settings.</td></tr>
<tr><td>Printers</td></tr>
<tr><td>Redirect Connected USB Devices</td></tr>
<tr><td>Plugged USB Devices</td></tr>
<tr><td>Redirection Rules</td></tr>
</table>

Settings for the Connection Type of Server Connection

NOTE

- For descriptions of available settings for the connection type of Web Logon, please refer to "Settings for the Connection Type of Web Logon" on page 169.
- For descriptions of settings for the connection type of StoreFront, please refer to "Settings for the Connection Type of StoreFront" on page 173.
- Fore descriptions of settings for the connection type of VDI-in-a-Box, please refer to "Settings for the Connection Type of VDI-in-a-Box" on page 178.
- For descriptions of available settings for the connection type of XenDesktop, please refer to "Settings for the Connection Type of XenDesktop" on page 183.
- For descriptions of settings for the connection type of XenApp, please refer to "Settings for the Connection Type of XenApp" on page 188.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for Citrix ICA sessions.</td></tr>
<tr><td>Connection Type</td><td>This table only provides descriptions for available settings when Server Connection is selected.

Six connection types are available:

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Web Logon</td><td>Provides access to virtual desktops and applications through the interface of a Web browser (Mozilla Firefox).</td></tr>
<tr><td>StoreFront</td><td>Provides access to virtual desktops and applications through a StoreFront.</td></tr>
<tr><td>VDI-in-a-Box</td><td>Provides access to virtual desktops through VDI-in-a-Box.</td></tr>
<tr><td>XenDesktop</td><td>Provides access to virtual desktops for an earlier version of XenDesktop.</td></tr>
<tr><td>XenApp</td><td>Provides access to virtual applications for an earlier version of XenApp.</td></tr>
<tr><td>Server Connection</td><td>Provides access to servers for administration (XenApp servers only).</td></tr>
</table>

Refer to the table below for Citrix products and recommended connection types:

<table>
<tr><th>Citrix Product</th><th>Recommended Connection Type</th></tr>
<tr><td>XenApp 6.5 or earlier</td><td>XenApp / Web Logon</td></tr>
<tr><td>XenDesktop 5.6 or earlier</td><td>XenDesktop / Web Logon</td></tr>
<tr><td>XenApp and XenDesktop 7.5</td><td>StoreFront / Web Logon</td></tr>
<tr><td>VDI-in-a-Box</td><td>VDI-in-a-Box / Web Logon</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td>Server Address</td><td>Type in the IP address / URL / FQDN of the XenApp server.

NOTE: Server Connection only supports connections to XenApp servers.</td></tr>
<tr><td>Username</td><td>Type in the user/account name used for authentication.</td></tr>
<tr><td>Password</td><td>Type in the password of the user account used for authentication.</td></tr>
<tr><td>Domain</td><td>Type in the domain of the server.</td></tr>
<tr><td>Server Name</td><td>Type in the name of the server.</td></tr>
<tr><td colspan="2">Common Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>Autostart When Startup</td><td>Select whether to open a Citrix ICA session automatically or not when your t180L/t180LB is started up (Autostart mode).

NOTE: There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

<table>
<tr><th>No.</th><th>Mode</th><th>Description</th></tr>
<tr><td>1</td><td>Appliance</td><td>The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session.

Available actions include:
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>2</td><td>Autostart</td><td>The client will start up directly with the desired Citrix ICA session and perform the configured action after exiting the session.

Available actions include:
• Returning to the local desktop
• Re-launching a new session
• Restarting the thin client
• Turning off the thin client</td></tr>
<tr><td>3</td><td>Quick Connection</td><td>The default. The client will enter Atrust Quick Connection screen after system startup.</td></tr>
</table>

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.</td></tr>
</table>

<table>
<tr>
<td>On Application Exit</td>
<td>Select what to do when a Citrix ICA session is ended. Four options are available: Do Nothing, Restart Application, Reboot, and Shutdown.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Do Nothing</td><td>Returns to the Local Linux desktop.</td></tr>
<tr><td>Restart Application</td><td>Opens an ICA session again.</td></tr>
<tr><td>Reboot</td><td>Restarts your thin client.</td></tr>
<tr><td>Shutdown</td><td>Turns off your thin client.</td></tr>
</table>
</td>
</tr>
</table>

Options Sub-tab

Window Settings	
Item	**Description**
Color Depth	Click the drop-down menu to select the desired color quality for a Citrix ICA session. Three options are available: **16 Bit**, **24 Bit**, and **Automatic**.
Window Size	Click the drop-down menu to select the desired window size of a Citrix ICA session. Four options are available: **Full Screen**, **1280x1024**, **1024x768**, and **800x600**.
Device Mapping	
Item	**Description**
Mapping Local USB Storage	Click the drop-down menu to enable/disable the mapping of the local USB drive(s) in a Citrix ICA session. **NOTE:** You need to enable local USB storage drive(s) as well. See section "4.4.3 Configuring Settings for USB Storage Devices" on page 82 for details.
Mapping Local Serial Ports	Click the drop-down menu to enable/disable the mapping of the local serial device(s) in a Citrix ICA session. If **Yes** is selected, the locally attached serial device(s) will become available in launched Citrix ICA sessions. **NOTE:** This setting item is not applicable to your t180L/t180LB. However, if you use a serial-based barcode scanner, and attach it to your t180L/t180LB with a serial-to-USB adapter, you need to enable this setting in order to use the local barcode scanner in a virtual server desktop.
Mapping Local Printers	Click the drop-down menu to enable/disable the mapping of the local printer(s) in a Citrix ICA session. If **Yes** is selected, the locally attached printer(s) will become available in launched Citrix ICA sessions. **NOTE:** To enable locally attached printer(s), please refer to section "4.4.7 Adding a Local Printer" on page 86 for detailed instructions.

<table>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Rendering Type</td><td>Click the drop-down menu to select resources rendering on the endpoint or the server. Two options are available: Server Rendering and Client Rendering.

NOTE: The Client Rendering option may not be available on your system.</td></tr>
<tr><td>HDX RealTime WebCam</td><td>This item is available only when Client Rendering is selected.

When Yes is selected, a locally attached webcam can be used in an ICA session.</td></tr>
<tr><td>Use H264 Compression</td><td>Check to enable H.264 compression support on the client, allowing session data are sent from the server side using H.264 format encoding.</td></tr>
<tr><td>Network Protocol</td><td>Click the drop-down menu to select the protocol(s) used for connection. Three options are available: TCP/IP, TCP/IP + HTTP server location, and SSL/TLS + HTTPS server location.</td></tr>
<tr><td>Enable Automatic Reconnect</td><td>Check/Uncheck to enable/disable automatic reconnecting after an ICA session was interrupted.

NOTE: Automatic reconnecting (Auto Client Reconnect) may not work for a XenDesktop ICA session. This is a known issue. For more details, please visit Citrix websites at support.citrix.com or www.citrix.com.</td></tr>
<tr><td>Number of Retries</td><td>Click the drop-down menu to select the number of retries, ranging from 1 to 10.</td></tr>
<tr><td>Delay between Retries</td><td>Click the drop-down menu to select the delay time between retries, ranging from 5 to 60 seconds.</td></tr>
<tr><td>Enable Audio</td><td>Check/Uncheck to enable/disable sound in an ICA session.</td></tr>
<tr><td>Audio Quality</td><td>Click the drop-down menu to choose the desired sound quality in an ICA session. Three options are available: High Quality, Medium Quality, and Low Quality.

<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>High Quality</td><td>Allows endpoint devices to play a sound file at its native data transfer rate. This is recommended for connections where bandwidth is plentiful and sound quality is important.</td></tr>
<tr><td>Medium Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 64Kbps, resulting in a moderate decrease in the quality of the sound. This option is suitable for speeches and recommended for most LAN-based connections.</td></tr>
<tr><td>Low Quality</td><td>Compresses any sounds sent to endpoint devices to a maximum of 16Kbps, resulting in a significant decrease in the quality of the sound. This option is suitable for low-bandwidth connections, allowing reasonable audio performance during a low-speed connection.</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>Enable Audio Input</td><td>Check/Uncheck to enable/disable audio input in an ICA session.</td></tr>
<tr><td>Windows Key Combination</td><td>Click the drop-down menu to select where to apply Windows Key Combinations. Three options are available: On the local computer, On the remote server, and In full screen mode only.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>On the local computer</td><td>Applies to the local desktop only.</td></tr><tr><td>On the remote server</td><td>Applies to the virtual desktop only.</td></tr><tr><td>In full screen mode only</td><td>Applies to the virtual desktop only when the desktop is running in the full-screen mode.</td></tr></table></td></tr>
<tr><td colspan="2">USB Redirection Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>USB Storage</td><td rowspan="5">Please refer to “Advanced Quick Connection Settings for Citrix ICA Sessions” on page 57 for detailed instructions on these similar settings.</td></tr>
<tr><td>Printers</td></tr>
<tr><td>Redirect Connected USB Devices</td></tr>
<tr><td>Plugged USB Devices</td></tr>
<tr><td>Redirection Rules</td></tr>
</table>

4.6.12 Configuring Basic VMware View Connection Settings

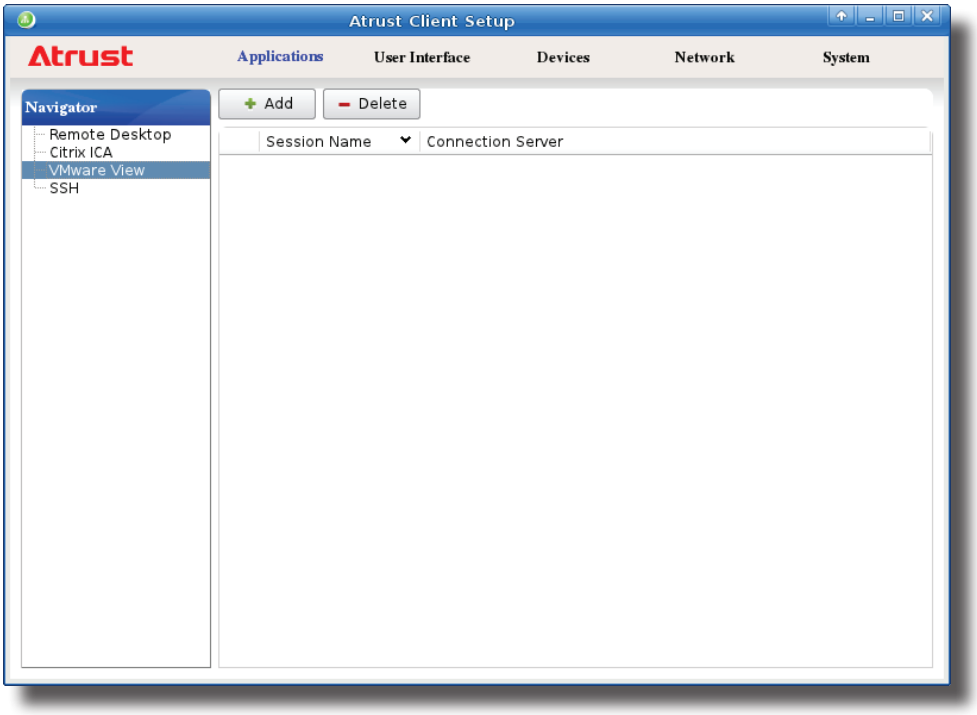
The **VMware View** setting enables you to configure View connection settings for VMware View or Horizon View services and create shortcuts on the local desktop and START menu for service access. You can access on-demand services for work simply through these shortcuts.

NOTE

- For more information on VMware desktop virtualization solutions, please visit VMware website at www.vmware.com.

To quickly configure VMware View connection settings, please do the following:

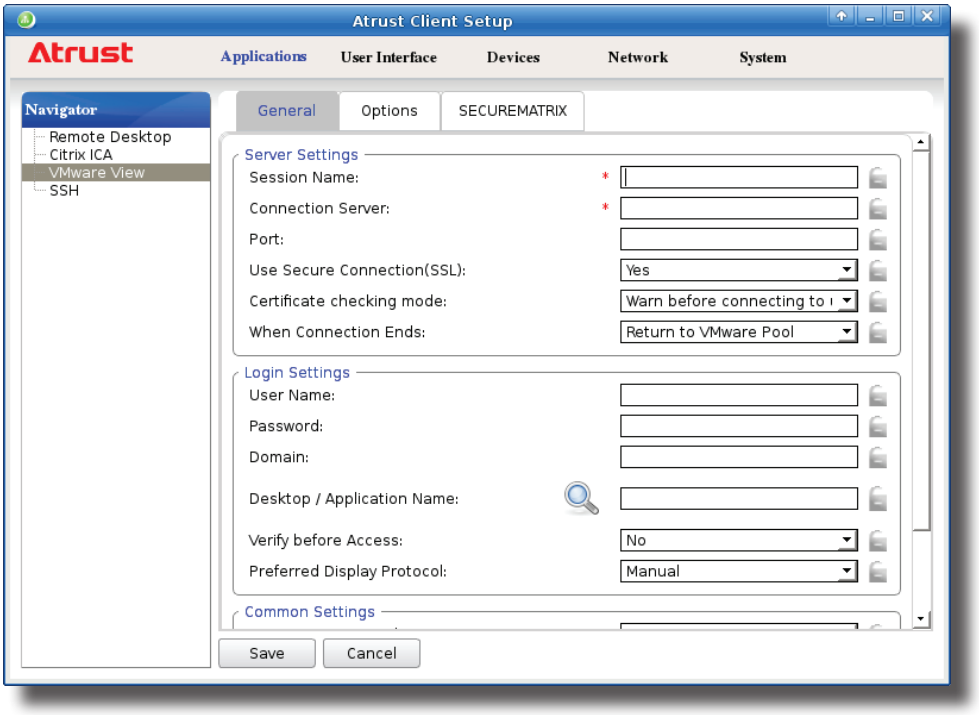
1. On Atrust Client Setup, click **Applications** > **VMware View**.
2. The View Connection list appears in the Configuration area.



NOTE

- If you haven't created any entry, the View Connection list will be empty.

3. Click **Add** on the top of the View Connection list to add a new entry of View connection.



4. Type in the desired session name and the computer name or IP address of the View Connection Server, and then click **Save** to confirm.

> **NOTE**
>
> - These are the only required fields for the creation of a service access shortcut on the desktop. Other data can be provided during the period of service access. Depending on your needs, you might choose to type in more other data.

5. The new entry is added to the View Connection list and the access shortcuts are automatically created on the local desktop and START menu.

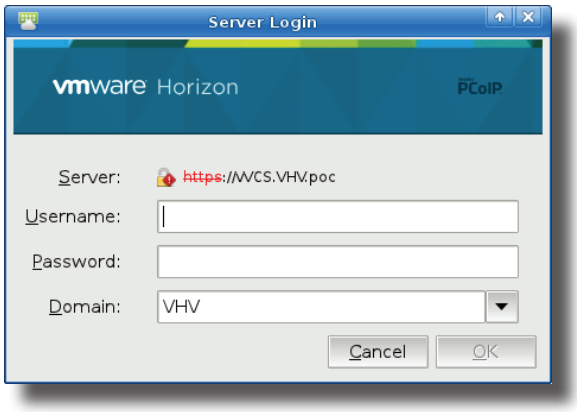
4.6.13 Accessing VMware View or Horizon View Services

To access VMware View or Horizon View services, please do the following:

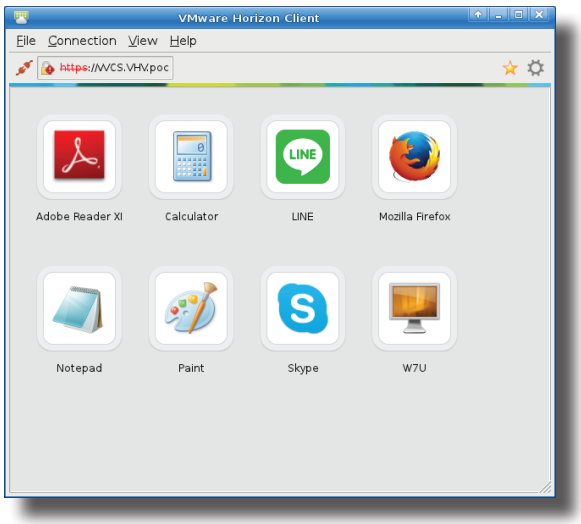
1. Double click the created (customized) access shortcut on the desktop.

> **NOTE**
>
> - A window might appear with a certificate message about the remote server. Consult the IT administrator for details and ensure the connection is secure ***first***. To import a security certificate, please refer to section "4.2.14 Importing Certificates for Remote Computers" on page 64. To bypass, click **Connect Insecurely**.

2. A Welcome window might appear. Click **OK** to continue.
3. A window appears prompting for the credentials. Enter your user name, password, click the Domain drop-down menu to select the domain, and then click **OK**.



4. A window appears with available desktops and/or applications for the provided credentials.

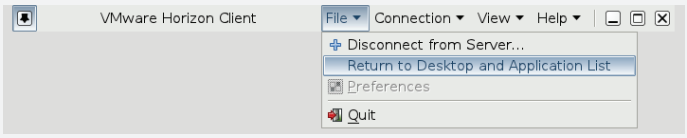


5. Double click to select the desired desktop or application.

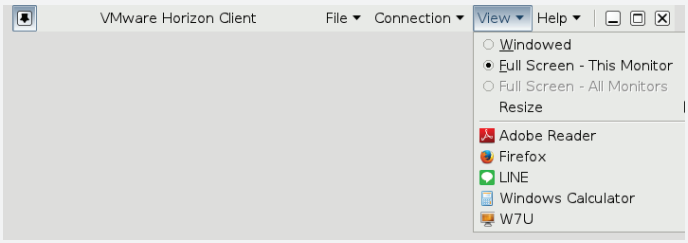
6. The selected desktop or application will be displayed on the screen.

NOTE

- Your desktop or application will be displayed in full screen. You can:
  - ✧ Click **File** > **Return to Desktop and Application List** on the top tool bar to recall the Desktop and Application list.



  - ✧ Click **View** on the top tool bar to switch to a virtual desktop or application.



4.6.14 Configuring Advanced View Connection Settings

The table below provides a description of each setting item for View connections. Please refer to this table to configure advanced settings and customize shortcuts on the local desktop and START menu for service access.

General Sub-tab

<table>
<tr><th colspan="2">Server Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Session Name</td><td>Type in the name for VMware View or Horizon View sessions.</td></tr>
<tr><td>Connection Server</td><td>Type in the computer name or IP address of the View Connection Server.

NOTE: For more information on View Connection Server, please visit VMware website at www.vmware.com.</td></tr>
<tr><td>Port</td><td>Type in the port number used to communicate with the View Connection Server. To use the default value, simply leave it blank.</td></tr>
<tr><td>Use secure connection (SSL)</td><td>Check/Uncheck to enable/disable secure connection.</td></tr>
<tr><td>Certificate Checking Mode</td><td>Click the drop-down menu to select if to check server identity certificates and if to connect to untrusted servers. Three options are available: Do not verify server identity certificates, Warn before connecting to untrusted servers, and Never connect to untrusted servers.</td></tr>
<tr><td>When Connection Ends</td><td>Click the drop-down menu to select what to do when the connection ends. Two options are available: Return to VMware Pool and Quit VMware Client.
<table>
<tr><th>Option</th><th>Description</th></tr>
<tr><td>Return to VMware Pool</td><td>When the connection ends, return to the Desktop and Application list for given credentials.</td></tr>
<tr><td>Quit VMware Client</td><td>When the connection ends, close VMware Client. To access virtual desktops and applications, you need to provide the credentials again.</td></tr>
</table></td></tr>
<tr><th colspan="2">Login Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Username</td><td>Type in the user name for authentication.</td></tr>
<tr><td>Password</td><td>Type in the password for authentication.</td></tr>
<tr><td>Domain</td><td>Type in the domain name of the View Connection Server.</td></tr>
<tr><td>Desktop / Application Name</td><td>Type in the desktop / application name. Or, leave it blank for users to select one.

NOTE: You can use the Search icon to help you discover available desktops or applications for a given set of credentials.</td></tr>
</table>

<table>
<tr><td>Verify before Access</td><td>Click the drop-down menu to select whether to verify the entitlement to the virtual desktop or application provided in the previous setting item:

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Yes</td><td>Verify the entitlement to the virtual desktop or application provided in the previous setting item. Stop if the given credentials do not pass this verification.</td></tr><tr><td>No</td><td>If the given credentials are not entitled to the virtual desktop or application provided in the previous setting item, just ignore that error and provide the Desktop and Application list available for that credentials.</td></tr></table></td></tr>
<tr><td>Preferred Display Protocol</td><td>Click the drop-down menu to select the desired display protocol. Three options are available: Manual, Microsoft RDP, and PCoIP.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Manual</td><td>Manually select the desired display protocol.</td></tr><tr><td>Microsoft RDP</td><td>Use Microsoft RDP as the display protocol.</td></tr><tr><td>PCoIP</td><td>Use VMware PCoIP as the display protocol.</td></tr></table></td></tr>
<tr><td colspan="2">Common Settings</td></tr>
<tr><td>Item</td><td>Description</td></tr>
<tr><td>Non-Interactive Mode</td><td>Select Yes or No to allow or disallow the Non-Interactive mode. The default is to use the Non-Interactive mode.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Yes</td><td>The Non-Interactive mode is used. Users are not allowed to re-select different settings if the settings have been specified in View connection settings.</td></tr><tr><td>No</td><td>The Interactive mode is used. Users are allowed to re-select different settings even if the settings have been specified in View connection settings.</td></tr></table></td></tr>
</table>

Autostart When Startup

Select whether to open a VMware View or Horizon View session automatically or not when your t180L/t180LB is started up (Autostart mode).

NOTE: There are three similar but different modes for your t180L/t180LB and only one mode will take effect if all are enabled. Three modes and the order of priority are listed as follows:

No.	Mode	Description
1	Appliance	The client will start up directly with the desired VMware View or Horizon View session and perform the configured action after exiting the session. Available actions include: • Re-launching a new session • Restarting the thin client • Turning off the thin client
2	Autostart	The client will start up directly with the desired VMware View or Horizon View session and perform the configured action after exiting the session. Available actions include: • Returning to the local desktop • Re-launching a new session • Restarting the thin client • Turning off the thin client
3	Quick Connection	**The default.** The client will enter Atrust Quick Connection screen after system startup.

NOTE: To use the Autostart mode, ensure that the Appliance mode is disabled.

On Application Exit

Select what to do when a VMware View or Horizon View session is ended. Four options are available: **Do Nothing**, **Restart Application**, **Reboot**, and **Shutdown**.

Option	Description
Do Nothing	Returns to the local desktop.
Restart Application	Opens a VMware View or Horizon View session again.
Reboot	Restarts your thin client.
Shutdown	Turns off your thin client.

Options Sub-tab

<table>
<tr><th colspan="2">Window Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Resolution</td><td>Click the drop-down menu to select the desired display size of a View session. Three options are available: Full Screen, Large Window, and Small Window.

<table><tr><th>Option</th><th>Description</th></tr><tr><td>Full Screen</td><td>Opens the selected View session in full screen.</td></tr><tr><td>Large Window</td><td>Opens the selected View session in a large window.</td></tr><tr><td>Small Window</td><td>Opens the selected View session in a small window.</td></tr></table></td></tr>
<tr><th colspan="2">USB Redirection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Mass Storage</td><td rowspan="6">Please refer to “Advanced Quick Connection Settings for VMware View Sessions” on page 58 for detailed instructions on these similar settings.</td></tr>
<tr><td>Smart Card</td></tr>
<tr><td>Human Interface Device</td></tr>
<tr><td>Printer</td></tr>
<tr><td>Plugged USB Devices</td></tr>
<tr><td>Redirection Rules</td></tr>
<tr><th colspan="2">Connection Settings</th></tr>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Printer Mapping</td><td>Click to enable/disable printer mapping for VMware View connections.

NOTE: You need to add a local or network printer for your t180L/t180LB first, and then enable this feature here to use that mapped printer in a virtual desktop session.

NOTE: For detailed instructions on how to add a local or network printer for your t180L/t180LB, please refer to section “4.4.7 Adding a Local Printer” on page 86 or “4.4.8 Adding a Network Printer” on page 89.

NOTE: Even you disable printer mapping, your printer might still be redirected to a virtual desktop session if Printer Redirection is enabled (see above settings in this table).</td></tr>
</table>

SECUREMATRIX Sub-tab

Connection Settings	
Item	**Description**
Use SECUREMATRIX	Check to use SECUREMATRIX authentication.
GSB Server Address	Type the server address of GSB server, the server for SECUREMATRIX authentication service.
Username	Type your user name (Login ID).

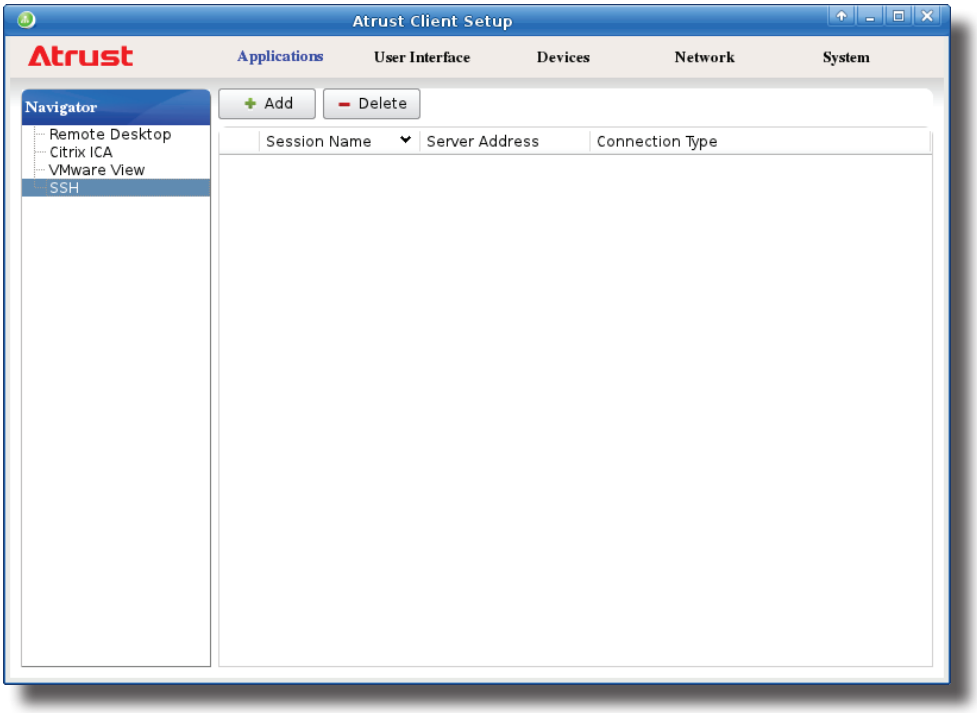
NOTE

- For details, please refer to "A.3 Using SECUREMATRIX Authentication for VMware Connections" on page 216

4.6.15 Configuring SSH Connection Settings

To configure SSH (Secure SHell) connection settings, please do the following:

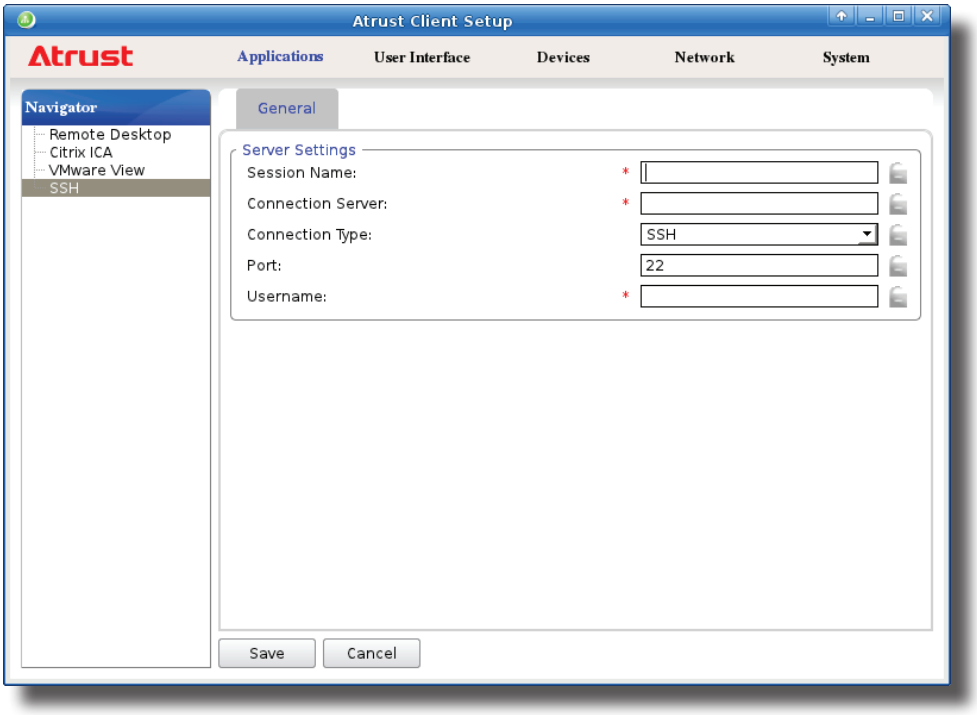
1. On Atrust Client Setup, click **Applications** > **SSH**.
2. The SSH Connection list appears in the Configuration area.



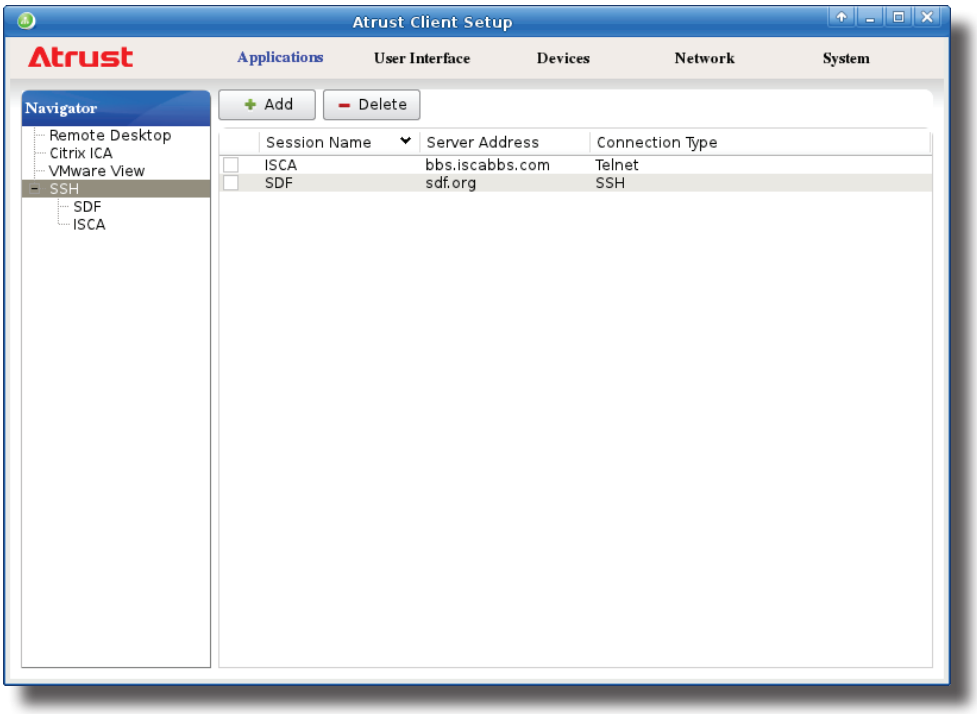
NOTE

- If you haven't created any entry, the SSH Connection list will be empty.

3. Click **Add** on the top of the SSH Connection list to add a new entry of SSH connection.



4. Click the drop-down menu to select the desired connection type. Two types are available: **SSH** and **Telnet**.
5. Type in the desired session name, the computer name or IP address of the remote server, the user name, and then click **Save** to confirm.
6. The new entry is added to the SSH Connection list and the access shortcuts are automatically created on the local desktop and START menu.

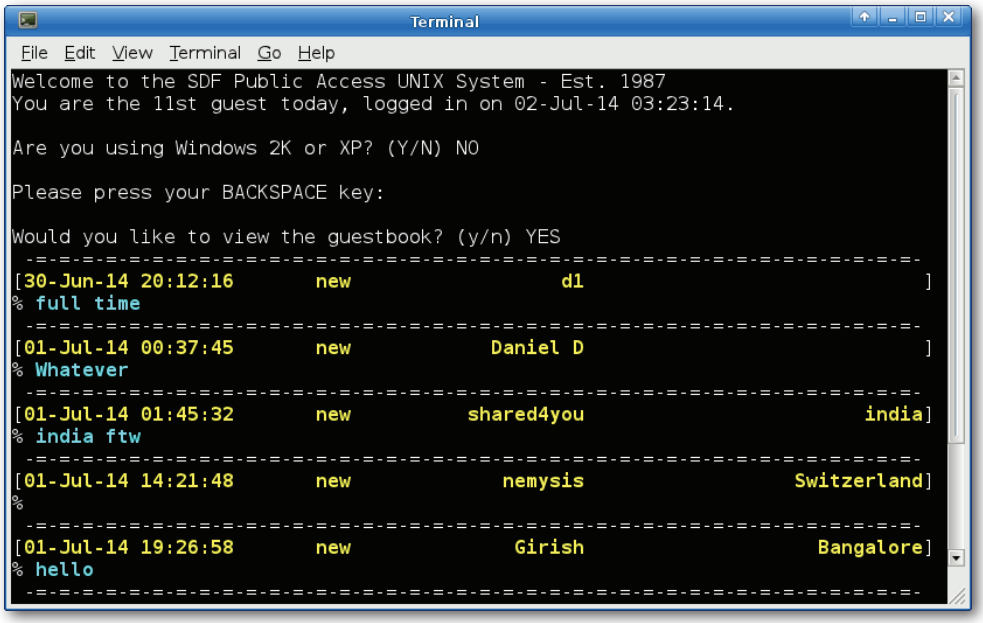


4.6.16 Launching SSH and Telnet Sessions

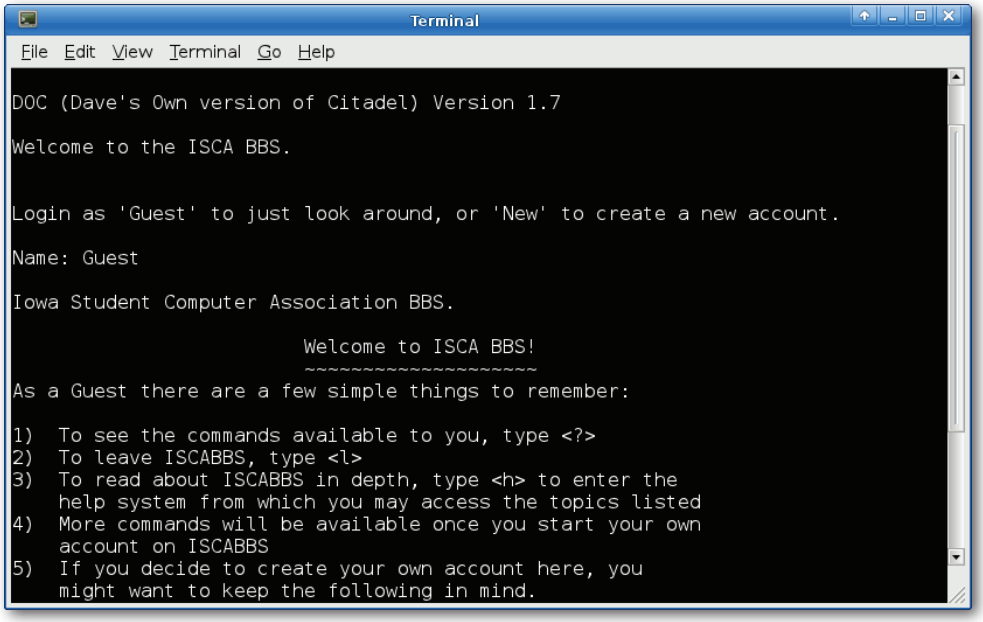
To launch an SSH or Telnet session, please do the following:

1. Double click the created shortcut on the local desktop.
2. The SSH or Telnet session starts in the opened window.

Example: SSH Session



Example: Telnet Session



Appendices

This chapter provides instructions on advanced settings, maintenance, and upgrade for your t180L/t180LB.

A.1 Resetting Your t180L/t180LB to the Factory Default

How to restore factory default settings for your t180L/t180LB 213

A.2 Updating Firmware for Your t180L/t180LB

Four ways to update firmware for your t180L/t180LB 214

A.3 Using SECUREMATRIX Authentication for VMware Connections

Enabling SECUREMATRIX authentication 216
Using SECUREMATRIX authentication 218
Changing your password pattern 221

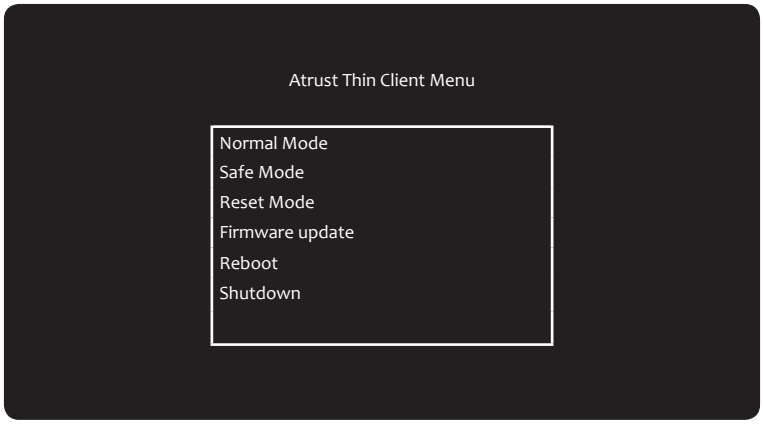
A.1 Resetting Your t180L/t180LB to the Factory Default

To reset your t180L/t180LB to the factory default, please do the following:

WARNING

- Resetting your t180L/t180LB to the factory default will erase all current settings in Atrust Client Setup and restore all settings to defaults.

1. Restart your t180L/t180LB.
2. During the POST (Power-on Self-Test) period, press **Esc** on the keyboard to enter Atrust Thin Client Menu.



NOTE

- You might need to wait about 15 seconds for this menu to appear on the screen.
- Six options are available on Atrust Thin Client Menu: **Normal Mode**, **Safe Mode**, **Reset Mode**, **Firmware update**, **Reboot**, and **Shutdown**. See the table below for the description of each option:

Menu Option	Description
Normal Mode	Boots up your t180L/t180LB as the normal startup procedure.
Safe Mode	Clears and resets the current screen resolution setting.
Reset Mode	Resets your t180L/t180LB to the factory default.
Firmware update	Updates firmware for your t180L/t180LB through the network.
Reboot	Reboots your t180L/t180LB.
Shutdown	Shuts down your t180L/t180LB.

3. Use arrow keys on the keyboard to select **Reset Mode**, and then press **Enter** on the keyboard to continue.
4. A message appears prompting for confirmation. Click **y** on the keyboard to confirm.
5. After completion, press **Enter** on the keyboard to restart your system.

A.2 Updating Firmware for Your t180L/t180LB

Four ways are available to update firmware for your t180L/t180LB:

Method	Description
Atrust Thin Client Menu	Downloads firmware from a remote computer and updates firmware for your thin client.
USB Flash Drive	Updates firmware with a USB flash drive created by Recovery USB Disk Creator.
Atrust Client Setup	Initiates firmware update locally on the thin client with the help of Atrust Client Setup.
Atrust Device Manger	Initiates firmware update remotely on the remote computer with Atrust Device Manager.

Using Atrust Thin Client Menu

To update firmware using Atrust Thin Client Menu, please do the following:

1. Connect your thin client to the network, and then restart it.
2. During the POST (Power-On Self-Test) period, press **Esc** on the keyboard to enter Atrust Thin Client Menu.
3. Select **Firmware update** and then follow the on-screen instructions to complete the task.

NOTE

- You need to specify the IP address of the firmware server over the network. A firmware server is the server where Atrust Device Manager is installed and client firmware files are imported through Atrust Device Manager.
- For more information about Atrust Device Manager, please refer to the User's Manual for Atrust Device Manager.

Using a USB Flash Drive

To update firmware using a USB flash drive created by Recovery USB Disk Creator, please do the following:

NOTE

- For instructions on how to create a USB flash drive using Recovery USB Disk Creator, please refer to the Quick Guide for USB Creator.

1. Plug the USB flash drive, and then restart your thin client.
2. During the POST period, press **F7** to enter the Boot Device menu.
3. Select the USB flash drive on that menu to enter Atrust Thin Client Recovery System screen.
4. Follow the on-screen instructions to complete the task.

Using Atrust Client Setup

To update firmware using Atrust Client Setup, please refer to section "4.2.6 Updating Firmware from the Management Computer" on page 48.

Using Atrust Device Manager

To update firmware using Atrust Device Manager, please refer to the User's Manual for Atrust Device Manager.

A.3 Using SECUREMATRIX Authentication for VMware Connections

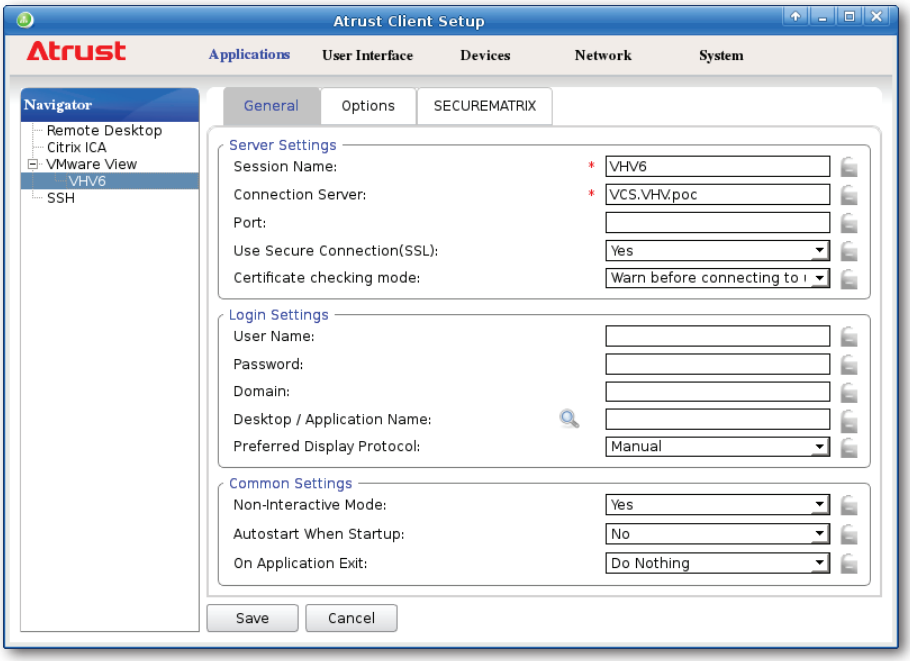
Enabling SECUREMATRIX Authentication for Custom VMware Connections

To enable SECUREMATRIX authentication for a custom VMware connection, please do the following:

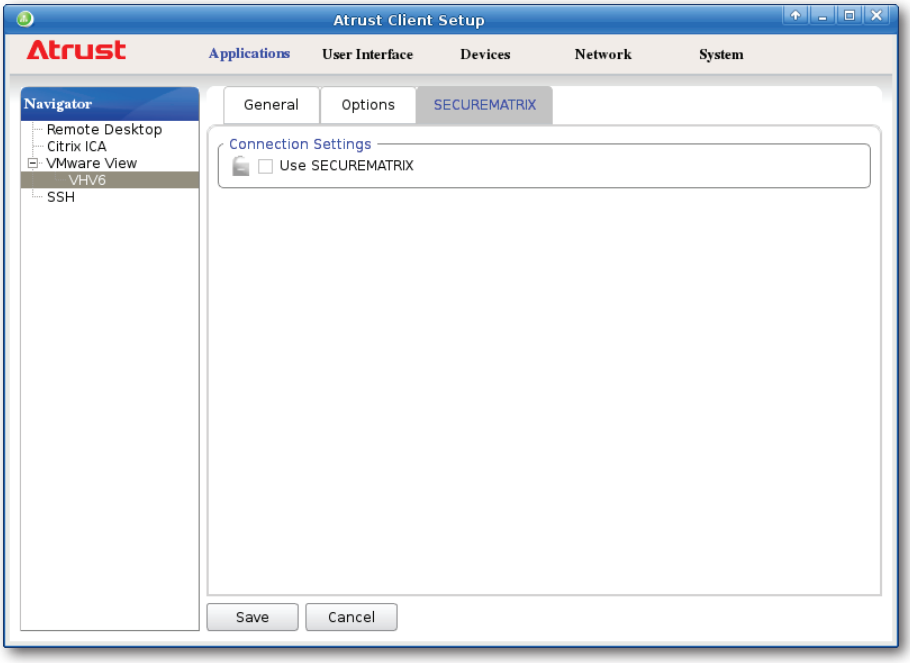
NOTE

- SECUREMATRIX authentication is not available in Quick Connection mode.

1. On the local desktop, click **START** > **Settings** > **Atrust Client Setup** to launch Atrust Client Setup.
2. Click **Applications** > **VMware > Add** to create a new entry of connection settings.
3. On the General tab, type the desired session name and the server address of View Connection Server.



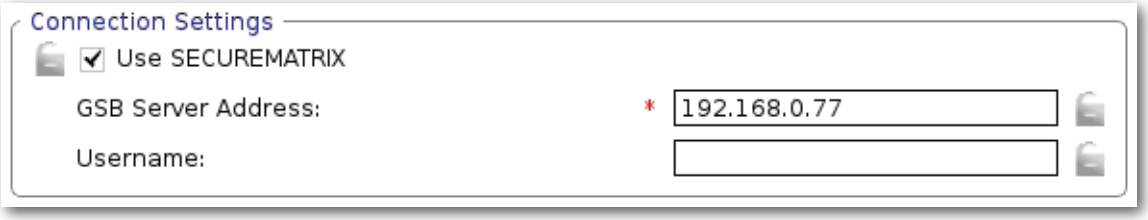
4. On the SECUREMATRIX tab, click to check **Use SECUREMATRIX**.



NOTE

- By default, SECUREMATRIX authentication is disabled.

5. Two fields appear for you to provide SECUREMATRIX related information. Type the server address of GSB server (the server for SECUREMATRIX authentication service).



6. Configure other connection settings if needed, and then click **Save** to confirm.
7. The access shortcuts will be created on the local desktop and START menu.

Using SECUREMATRIX Authentication in VMware Connections

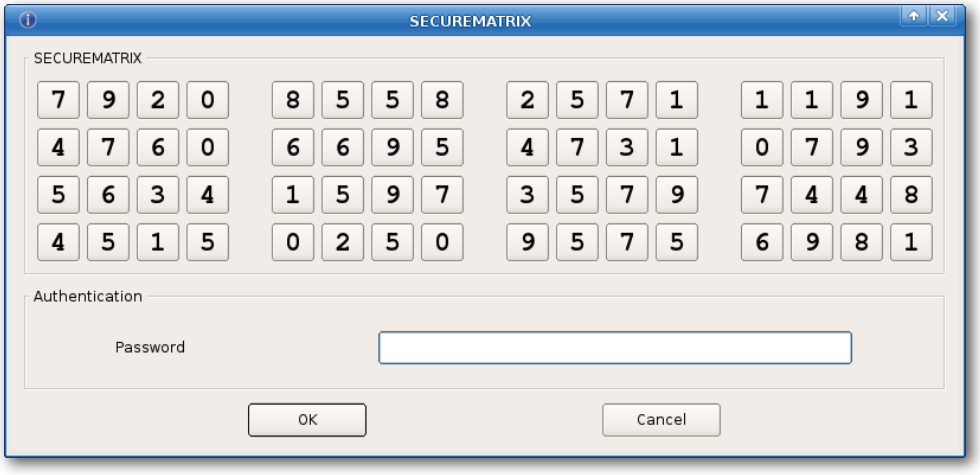
When SECUREMATRIX is enabled in your VMware connection, follow the steps and instructions below to use SECUREMATRIX authentication:

1. Click the shortcut on the local desktop or START menu.
2. A window appears to prompt for the Login ID of SECUREMATRIX authentication.

3. Type your Login ID, and then click **OK** to confirm.

> **NOTE**
>
> - To change your password pattern, click **Change Password**. For details, please see "Changing Your Password Pattern for SECUREMATRIX Authentication" on page 221.

4. The SECUREMATRIX window appears prompting for the password.

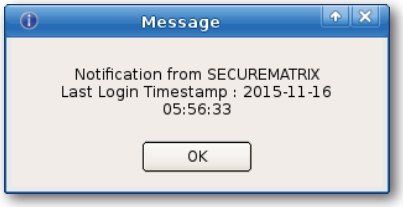


5. Type numbers under your ***password pattern*** using the keyboard or click numbers directly on the window, and then click **OK** to confirm.

TIP

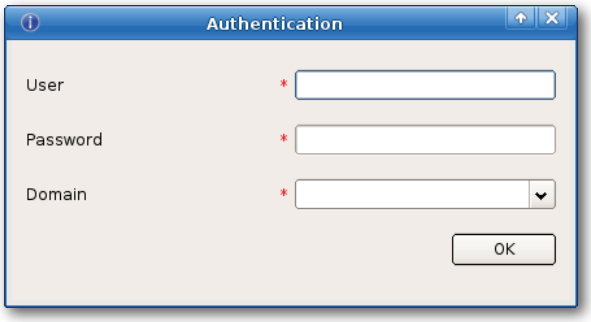
- For example, if your ***password pattern*** is shown as below, type or click numbers, **0**, **0**, **4**, **5**, **1**, **3**, **6**, **2**, in sequence.

6. A message appears when SECUREMATRIX authentication is completed. Click **OK** to continue.

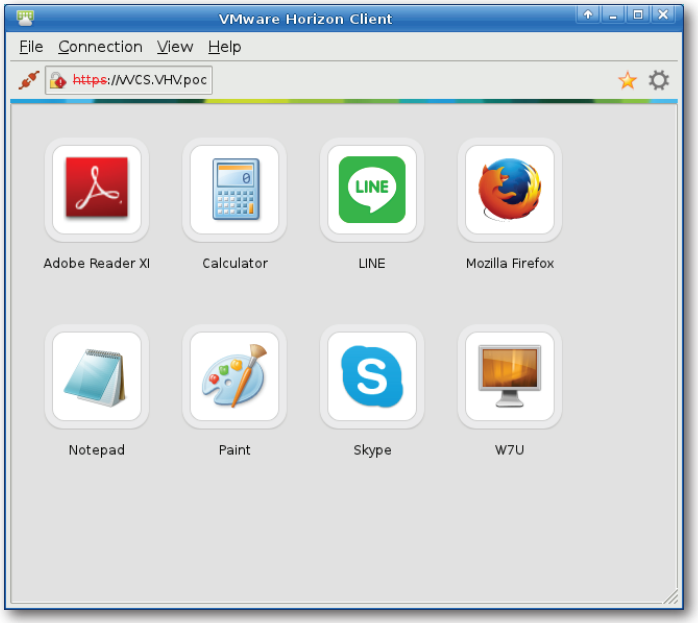


7. A message appears prompting to provide credentials for access to VMware virtual desktops and applications. Click **OK** to continue.

8. Type your credentials on the opened window, and then click **OK** to continue.



9. The Desktop and Application list appears. Double-click to select the desired desktop or application.

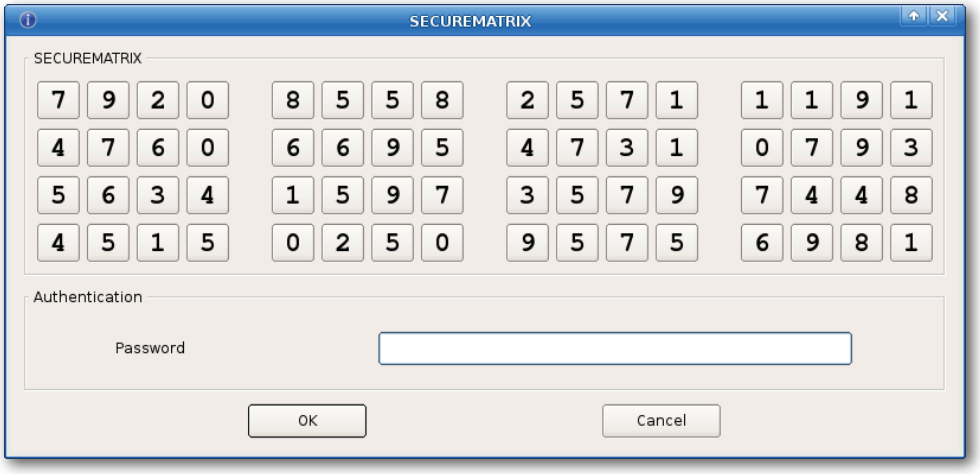

VMware Horizon Client
File Connection View Help
https://WCS.VHV.poc
Adobe Reader XI
Calculator
LINE
Mozilla Firefox
Notepad
Paint
Skype
W7U

Changing Your Password Pattern for SECUREMATRIX Authentication

To change your password pattern for SECUREMATRIX authentication, please do the following:

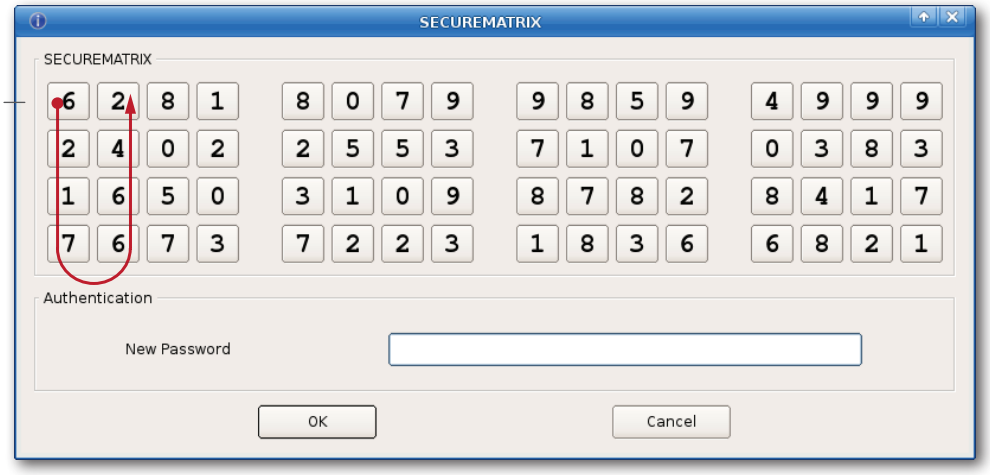
1. On the window prompting for the Login ID as shown, type your Login ID, and then click **Change Password**.

2. Type or click numbers under your ***old password pattern***, and then click **OK** to continue.

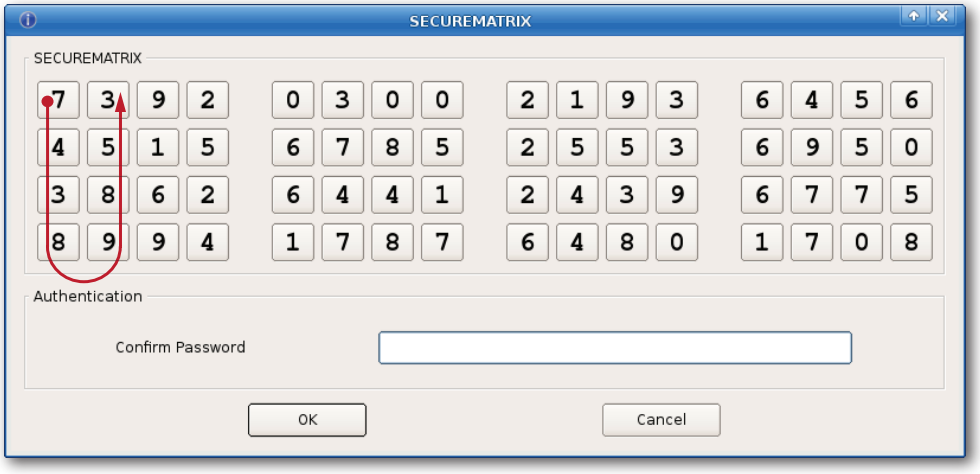


3. Type or click numbers under your ***new password pattern***, and then click **OK** to continue.

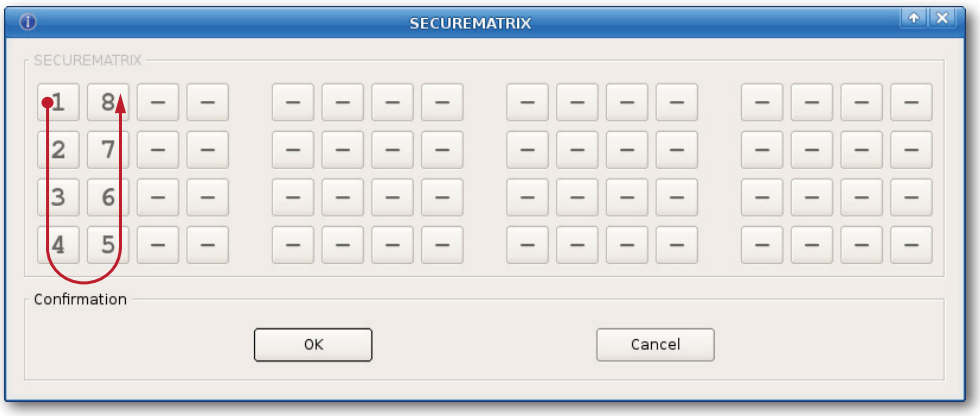
Your new password pattern, for example



4. Type or click numbers under your ***new password pattern*** again, and then click **OK** to continue.



5. A window appears showing your ***new password pattern*** in numerical order and prompting for confirmation. Click **OK** to confirm.



Specifications

Atrust t180L / t180LB thin clients

Processor	Intel® Bay Trail 1.83 GHz quad-core		
Chipset	Intel® NM10 (Graphics integrated)		
System Memory	1 GB		
Flash Memory	4 GB		
Resolutions	Up to 1920 x 1200		
I/O interfaces	Front: 2 x USB 2.0 1 x Microphone 1 x Headphone	Rear: 1 x USB 2.0 1 x USB 3.0 1 x RJ-45	 1 x DVI-I 1 x DVI-D 1 x DC IN
Networking	10/100/1000Mb Ethernet Wireless IEEE 802.11 b/g/n (only for t180LB)		
Power	Input/Output: 100-240Vac, 1A, 50-60 Hz / DC +12Vdc, 3A		
Operating system	Atrust Linux		
Supported Protocols	Microsoft RDP with RemoteFX / Citrix ICA with HDX / VMware PCoIP		
Management	Atrust Client Setup / Atrust Device Manager		
Security	Kensington security slot		
Mount / Stand	**t180L:** VESA mount kit / Stand, (W)68 x (H)10 x (D)111 mm **t180LB:** VESA mount kit, (W)62 x (H)14.5 x (D)114.5 mm		
Dimensions	**t180L:** (W)39.5 x (H)143 x (D)103 mm **t180LB:** (W)39.5 x (H)162.2 x (D)103 mm		
Weight	**t180L:** 446 g, including the dual-purpose stand / VESA mount kit **t180LB:** 472 g		
Environment	Operating Temperature: Non-operating Temperature: Operating Humidity (Rh): Non-operating Humidity (Rh):	0° C ~ 35° C -30° C ~ 60° C 10% ~ 90% (non-condensing) 5% ~ 95%	