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Product Specifications

Platform	
Version	2.6.32.44
Flash Size	1024MB
File System	Compressed ROM Files System
Free Space	200MB
User Interface	• Desktop Session Manager(Desktop Style, Default) • Windows Base Terminal(WBT Style)
Screen Savers	✓
Desktop Wallpaper	✓
File System Write Protected	✓
Firmware Upgradable	✓
USB Access Control	✓
AMS Remote Manager Support	✓
VNC Server	✓
Network	
TCP/IP Networking	✓
IPv6	✓
Network Printer	TCP/IP Standard Port
PPP/PPPoE	✓
Wireless Support	✓
Application	
Application and protocols	• Remote Desktop Client (Version 1.6.0, compatible with Microsoft RDP 6.0) • Citrix Desktop Receiver (Version 12.0.0.189834. Included 256-bit SSL/TLS) • VMWare View (Version 4.6.0 build-366101) • NX Client (Version 3.5.0.7) • 2X Client (Version 10.0 build 1167) • RSH • SSH Client • VNC Viewer (Free Edition 4.1.1 for X) • VPN Client (OpenVPN 2.1.0 i486-pc-linux-gnu build on Jul 20 2010)

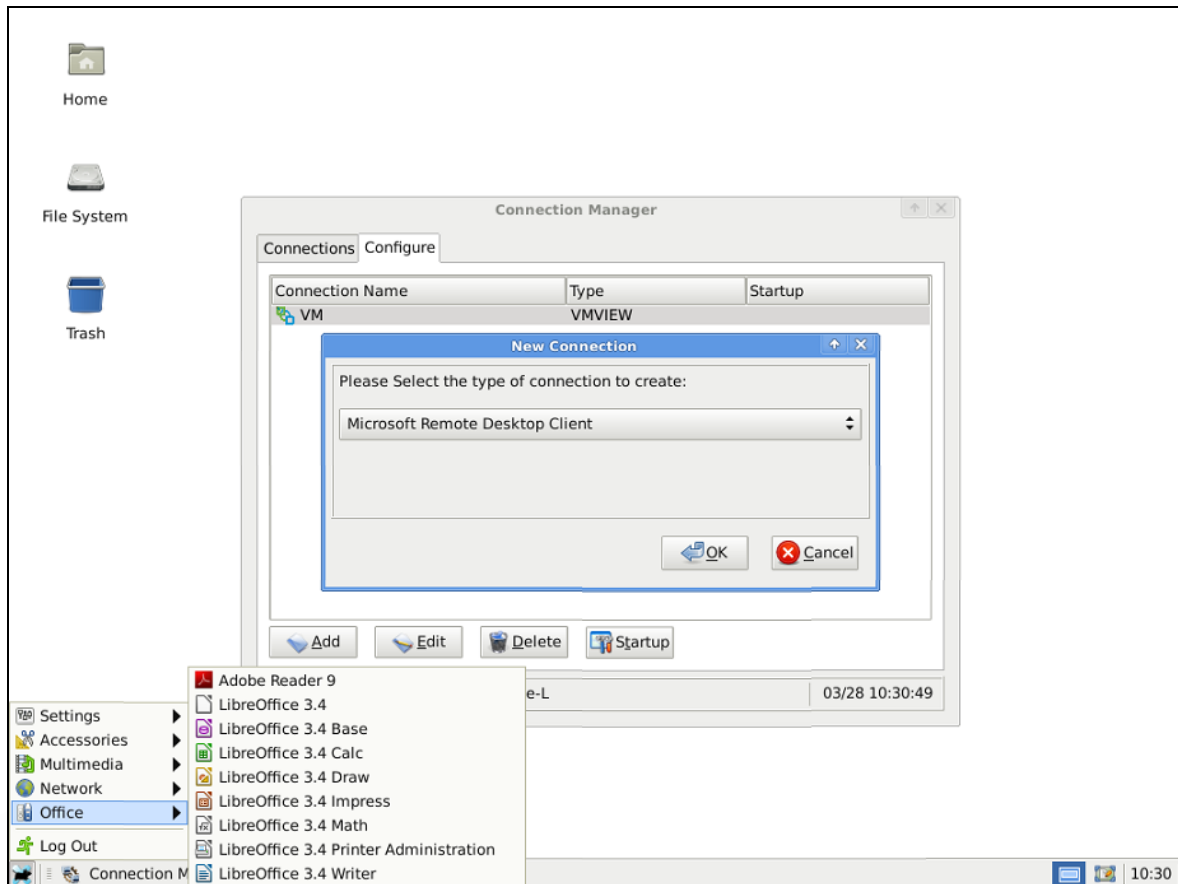
	(Other connection may be implemented in the future releases)
Web Browser	Fire Fox 3.6.23
Media Player	Mplayer SVN-r32819-4.4.3 (C) 2000-2011 Mplayer Team with SMPlayer v. 0.6.8 (SVN r3219) GUI
Adobe Reader 9	Adobe Reader (Version 9.4.2 02/11/2011)
SUN Java Runtime Environment	Java(TM) SE Runtime Environment (build 1.6.0_26-b03)
Office Suite	LibreOffice 3.4.3
Browser Plug-in	
Adobe Flash Player 9	✓
Administrative	
User Control Panel	✓
TCP/IP Utilities	✓
VNC Server	✓
USB Device Management	✓
Font Server (Linux Font Server Support)	✓
Internet Time(NTP)	✓
Device Support - Generic USB Input Device	
keyboard	✓
Mouse	✓
Audio	✓
Floppy	✓
CD/DVD ROM	✓
Mass Storage Device	✓
International Support	
Fonts Code Pages Conversion Tables Keyboard Layouts	• English • Czech • Danish • Dutch • Finnish • French • German • Greek • Hebrew • Hungarian • Italian

	• Norwegian • Polish • Portuguese • Romanian • Spanish • Russian • Slovenian • Swedish • Turkish
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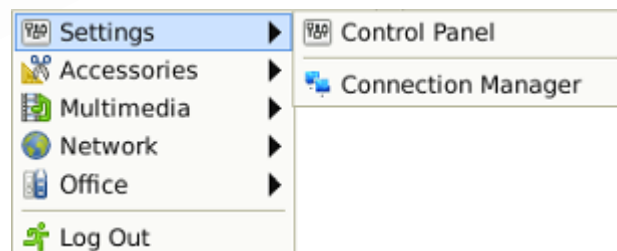
Desktop Shell Mode

The Desktop mode is the system's **default** user operation interface which is almost identical to the modern standard PC Windows OS. Users with very minimum PC OS experiences should be able to get used to the look and feel of the desktop shell mode and be familiar with the operation with a very short amount of time and practice. Below screen shot shows some of the pre-installed applications from *Start Menu* and the *Connection Manager* with *New Connection* setup dialog waiting for user's input.



The *Start Menu* categorizes selected user applications into sub-menus. Due to the fact that the *Start Menu* and its operation is very straight forward to most of the users, we will demonstrate a selected few to show how the user can launch an application.

Navigate to *Settings* and click on *Control Panel* which will bring up the application for system wide setting.



Control Panel

Provides the graphical user interface to view and manipulate system basic settings and controls, such as display resolution, network settings and peripheral device configurations.



Here we will go through and discuss all of these system wide settings.

System Information



System Information

System Information property page collects and displays the basic terminal system information, such as *Product Name*, *Product ID*, *Software Version*, *Software Name*, *Kernel Version*, *Memory Size* and *Flash Memory Size*. You also can modify the default *Terminal Name* and *Group Name* for the purpose of unique terminal identification within the *AMS* management network. A *reset* option at the bottom of this page enables you to reset the terminal to *Factory-Default* settings.

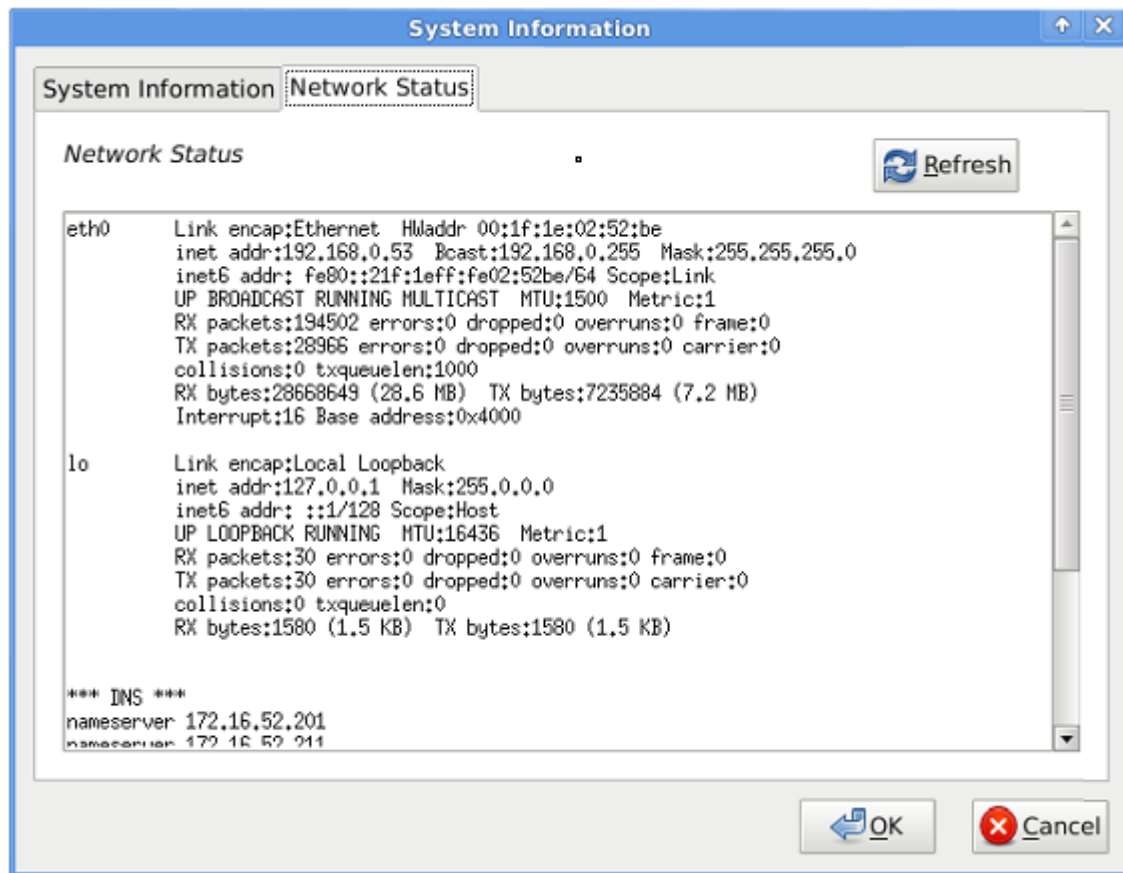
System Information

System Information | **Network Status**

Astec Technology Co., Ltd.
Copyright (c) 2011.
Website: <http://www.astec-tech.com>
Product Name: A9S20
Product ID:
Software Version: Aslx20 Build 0004
Kernel Version: 2.6.32.44
Memory Size: 1640 MB
Flash Memory Size: 152627 MB
Terminal Name: WBT001f1e0252be-L
Group Name:
☐ Reset the terminal to factory-default property settings.

OK Cancel

Click on *Network Status* tab to display current network status, such as the IP address in use, packet transferring and receiving byte counts, DNS server and routing table information. You can click *Refresh* button to retrieve the latest status.



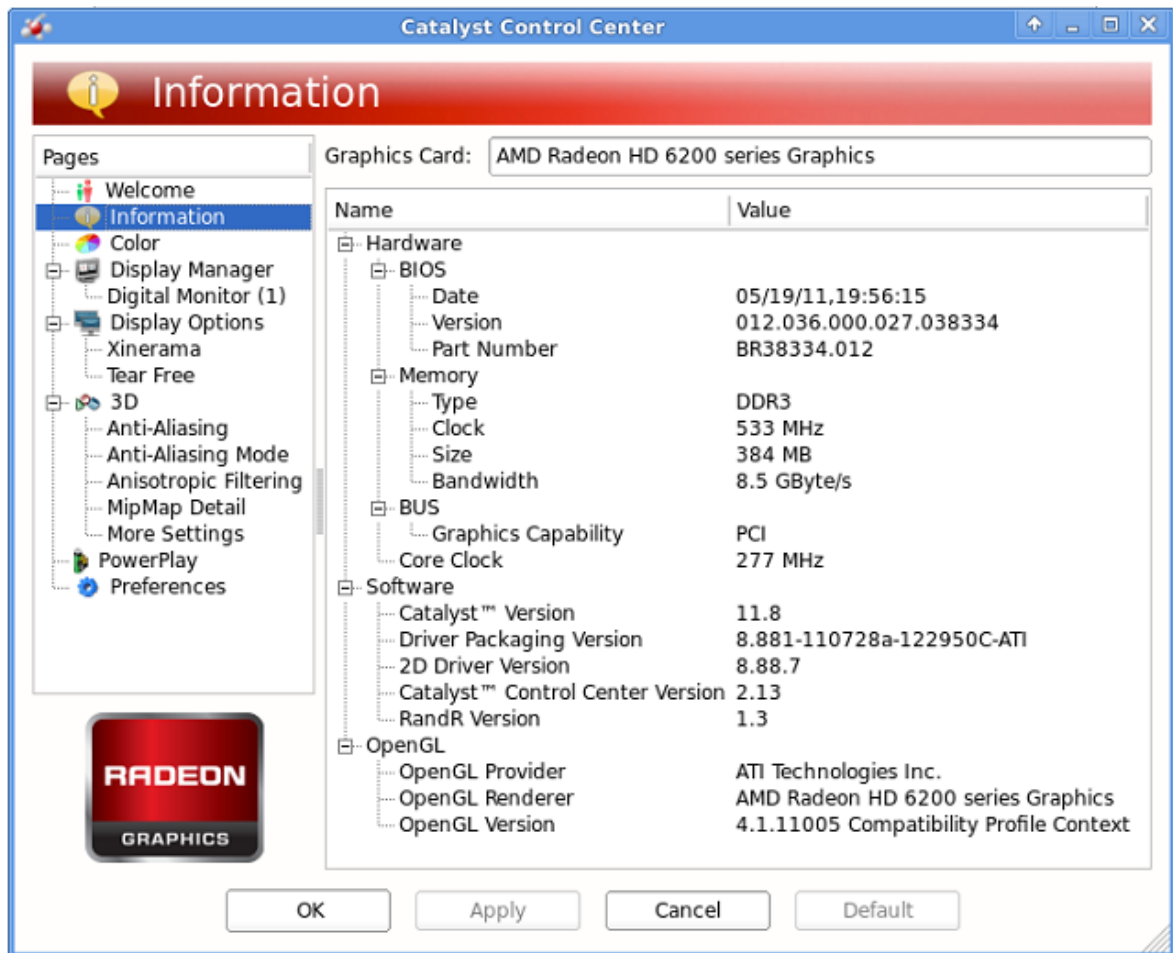
Display



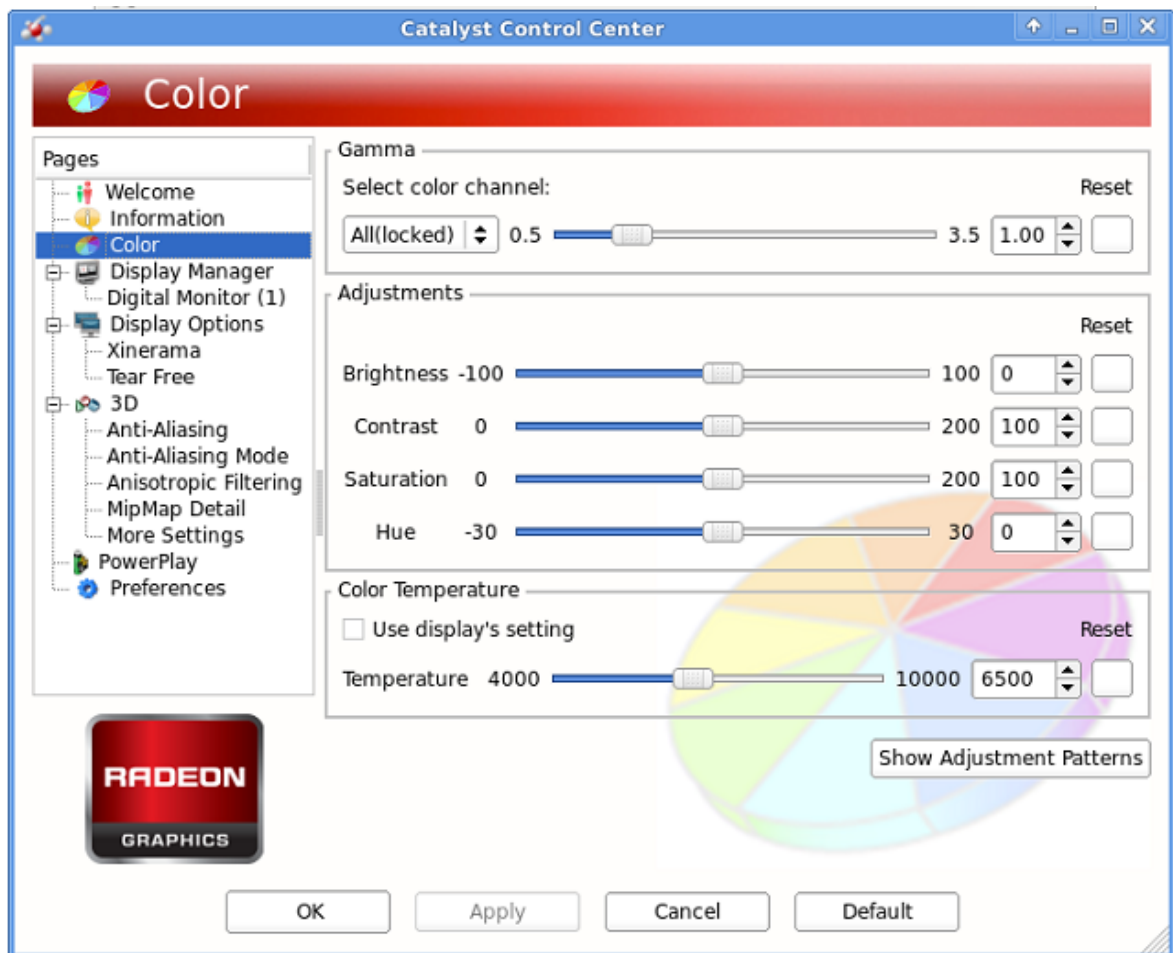
Double click on *Display* icon, the *Welcome* page by *AMD Catalyst Control Center* provides the following graphics adjustment functions listed under *Pages*:



The *Information* page which lists out the AMD Radeon HD 6200 series Graphics Hardware, Software and OpenGL information; shown as below.



The *Color* page lists out the *Gamma*, *Adjustments* and *Color Temperature* for the advanced user display color management needs. Leave the system defaults are recommended unless special color management is required.



Click on the *Display Manger* to expand the monitor list tree menu, all currently connected and detected monitors are listed there. Due to the fact that the *AMD Catalyst Control Center* is proprietary graphics management software by AMD, more detailed *Display Properties* and *Multi-Display* can be found at <http://www.amd.com/us/products/technologies/amd-catalyst/users/Pages/for-users.aspx>

Hover mouse cursors on items and quick tool tips displayed further explanation for your references. Shown below an example of the popped up tool tip explaining what *Refresh Rate* is.



Other graphics related adjustments including:

- Change main screen *Resolution* from the drop down menu.
- Rotate your main screen orientation.
- If you want to connect another monitor with DVI or Display Port^(TM) interface, simply plug in the monitor(s) to the appropriate connectors with required signal cable(s) on the back side of the machine. Usually a system reboot will trigger the *AMD Catalyst Control Center* to automatically detect and configure the monitor(s) for you. After changing display configuration, you can click Test button to check if settings are correct.
- For the user's convenience, the system has been set to default **1024x768@60Hz** to fulfill most of the modern monitors requirements.
- More detailed *Multi-Display* configuration please consult the *AMD Catalyst Control Center* official web site at: <http://www.amd.com/us/products/technologies/amd-catalyst/users/Pages/for-users.aspx>

Please note that the AMS management software at the current stage CANNOT remotely set, adjust, retrieve or apply the template with display related parameters for AMD Graphics equipped machines. Unlike most other Linux Open Source applications, the *AMD Catalyst Control Center* is a proprietary software and thus 3rd party modification and/or software re-engineering is not possible. Administrator with display related remote management requirements, please use VNC to remotely log onto target machine and proceed with display parameter adjustments.

The *Display Options* has two sub-menus which are *Xinerama* and *Tear Free*.

The *Xinerama* only works when multi-display is configured and enable. Please always refer to the on screen explanations and instructions as to configure the *Xinerama* feature.

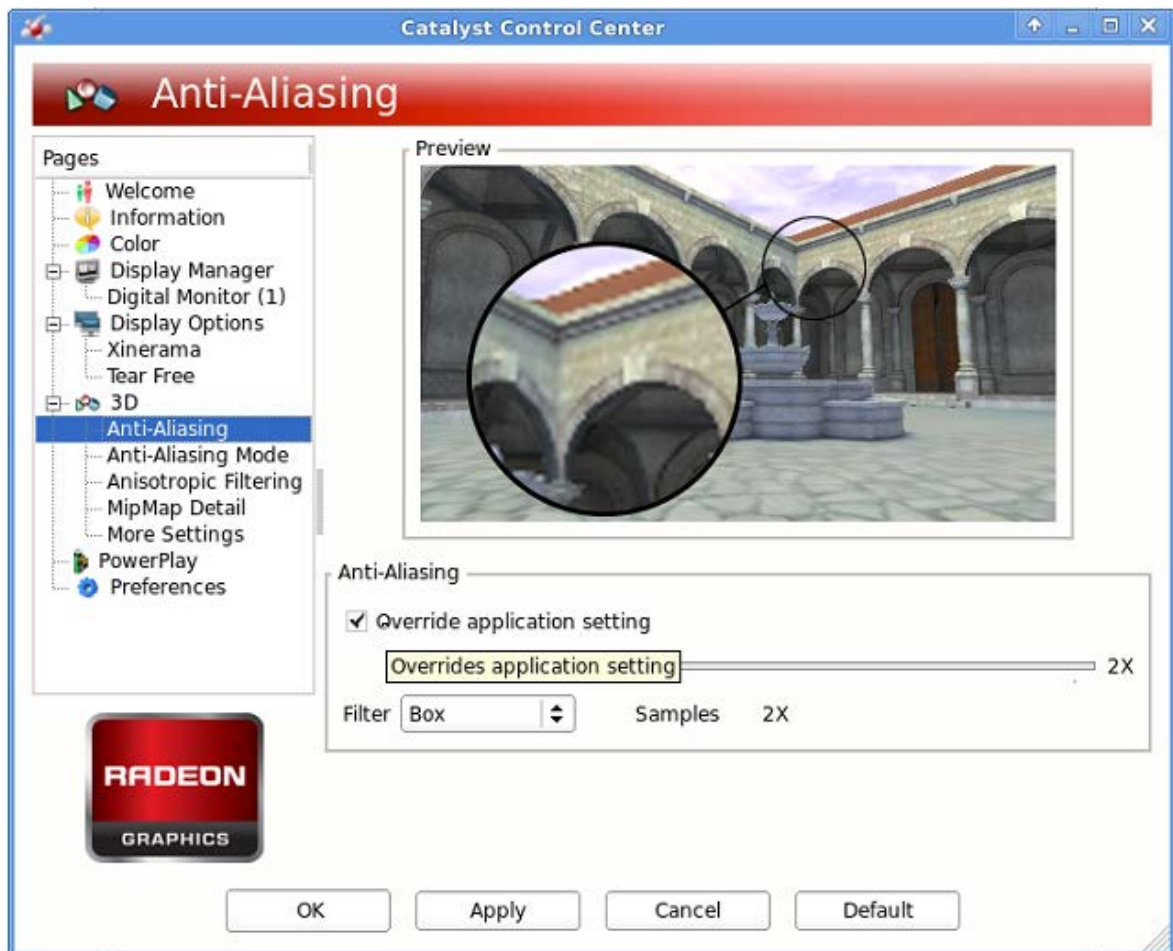


The *Tear Free* feature reduces the tearing of images in video, 3D graphics, and windowed applications. The system comes preset with *Tear Free* feature enabled for best user graphics experiences.



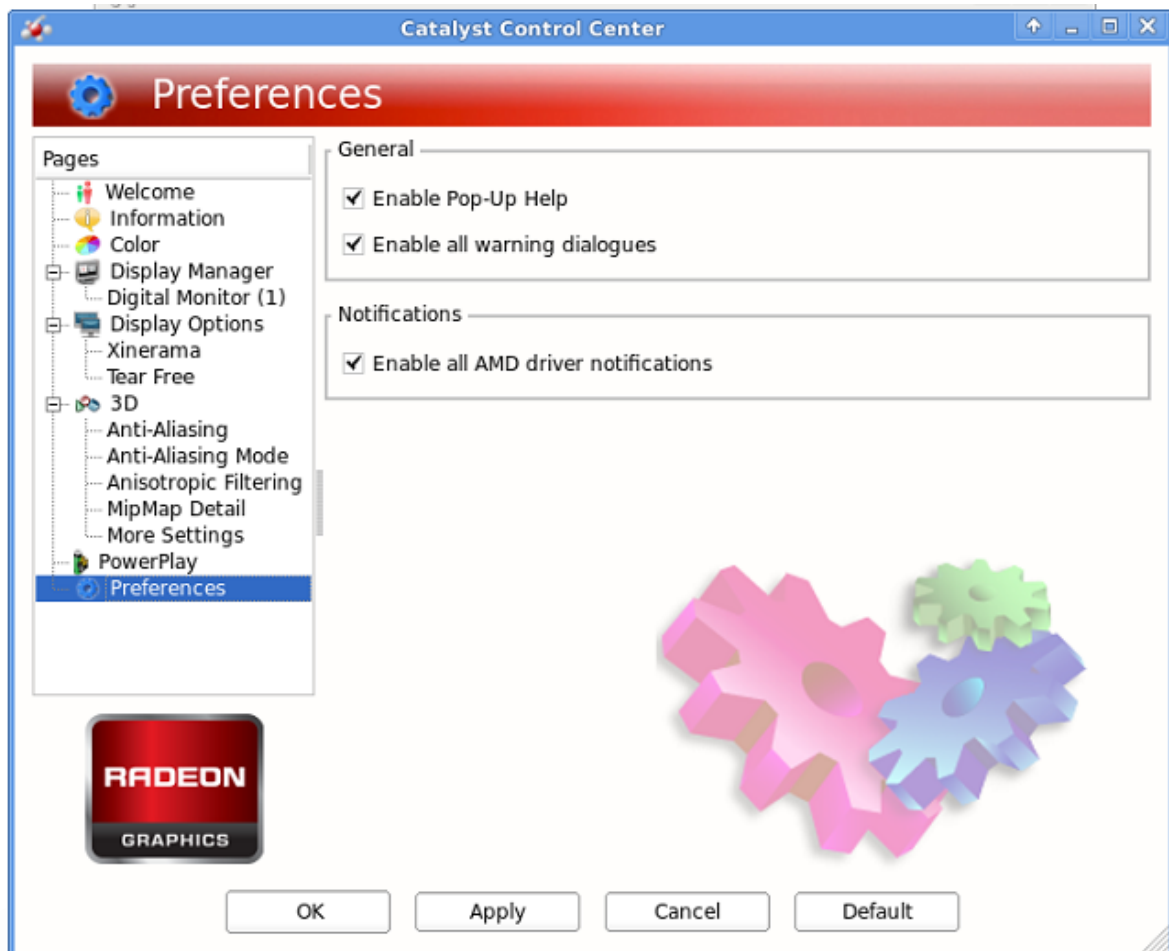
There are five 3D graphics related settings. Again, due to the fact that the detailed 3D feature configuration is out of the scope of this document, for more detailed information please consult the *AMD Catalyst Control Center* software web site.

The *Anti-Aliasing* featuring hardware algorithm based image object saw-tooth edge smoothing process. The system comes with **default disabled** *Override application setting*. More detailed 3D feature for *Anti-Aliasing Mode*, *Anisotropic Filtering*, *MipMap Detail*, and *More Settings* can be found at the *AMD Catalyst Control Center* software web site.



PowerPlay™ provides graphics processor settings for higher performance or longer battery life. Since the system is not a battery powered device, some of the settings on the *PowerPlay™* may not apply.

Lastly, the *Preferences* page provides options for user preferences using the *AMD Catalyst Control Center*. Please check upon your requirements.



Screen Saver



Screen Saver property page provides function to *Enable Screen Saver* and *Turn off Monitor* after N minutes.

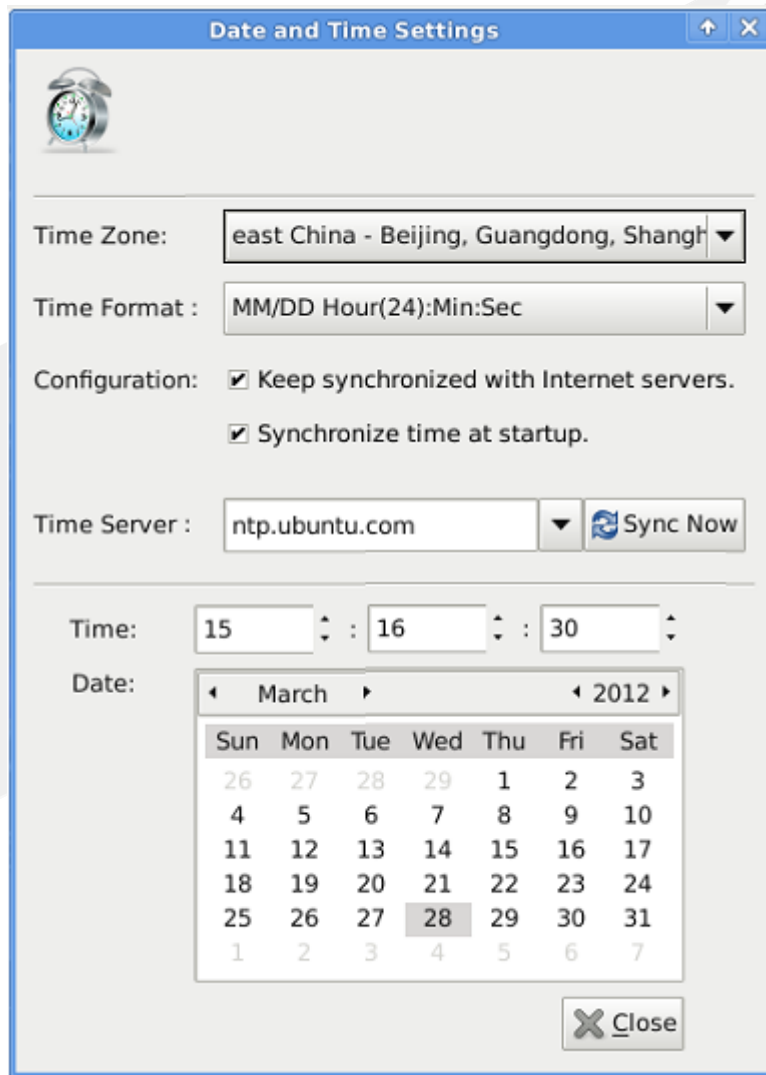


Adjust Date & Time



Adjust Date & Time property page provides the following functions:

- Choose your preferred *Time Zone* and *Time Format*.
- Adjust date and time either manually or automatically. Click *Sync Now* button to get and correct world time immediately. You can also choose preferred server from the *Time Server* drop down list.
- Check *Keep synchronized with internet servers* will enable the system to automatically and periodically synchronize the system clock with an internet time server. *Synchronize time at start-up* enables the synchronization of the system clock with an internet time server every time the system boots up.



Date and Time Settings

Time Zone: east China - Beijing, Guangdong, Shanghai

Time Format : MM/DD Hour(24):Min:Sec

Configuration: ☒ Keep synchronized with Internet servers.
☒ Synchronize time at startup.

Time Server : ntp.ubuntu.com

Time: 15 : 16 : 30

Date: March 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

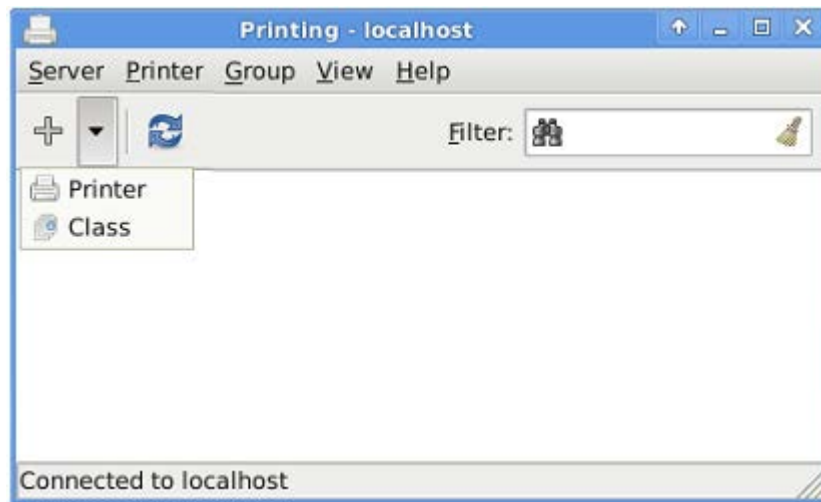
Printer



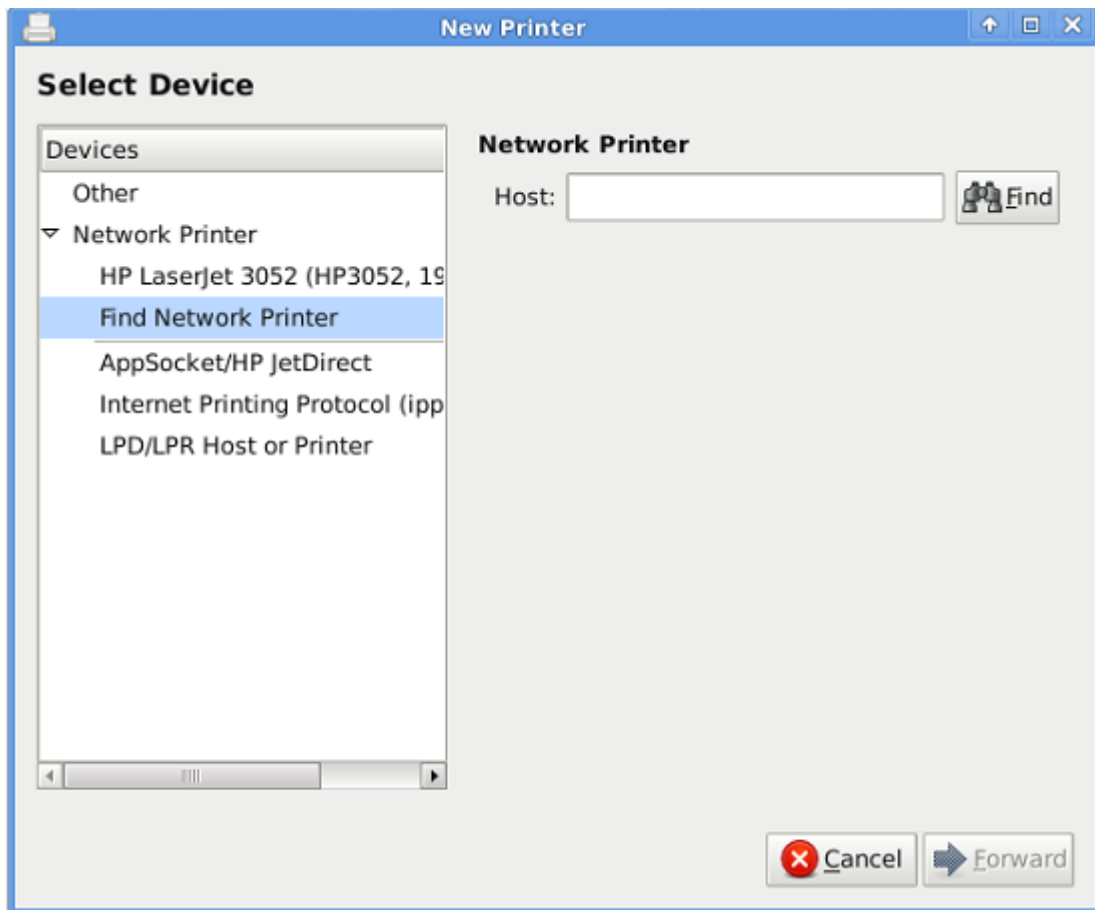
Printer

Printer property page provides the function to add a new local printer or a network printer. Here we will demonstrate how to add a network printer to the system.

- Click on the drop down menu and then *Printer*



- Click on the *Network Printer* under *Devices*, the system found out there is a *HP LaserJet 3052* (*HP3052, 192.168.0.168**) and automatically put it under the *Network Printer* list. You can also click on the *Find* button to do a manual search for a network connected printer.

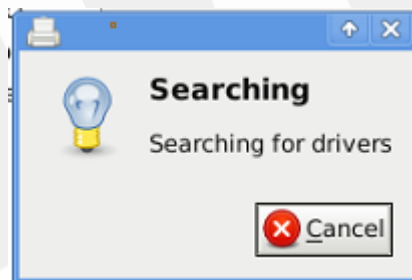


* The IP address is for demonstration purposes, your might vary.

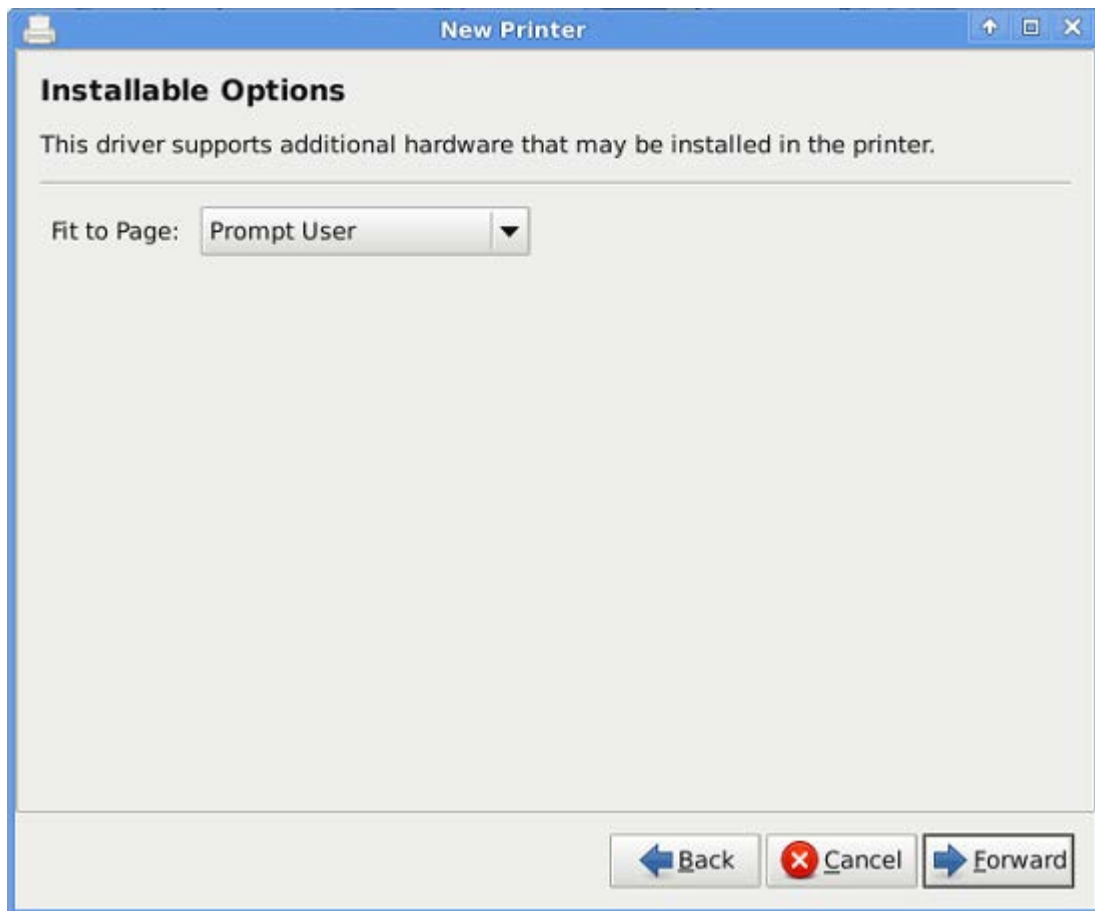
- Select the *HP LaserJet 3052* under the *Network Printer* list; click the *Forward* button.



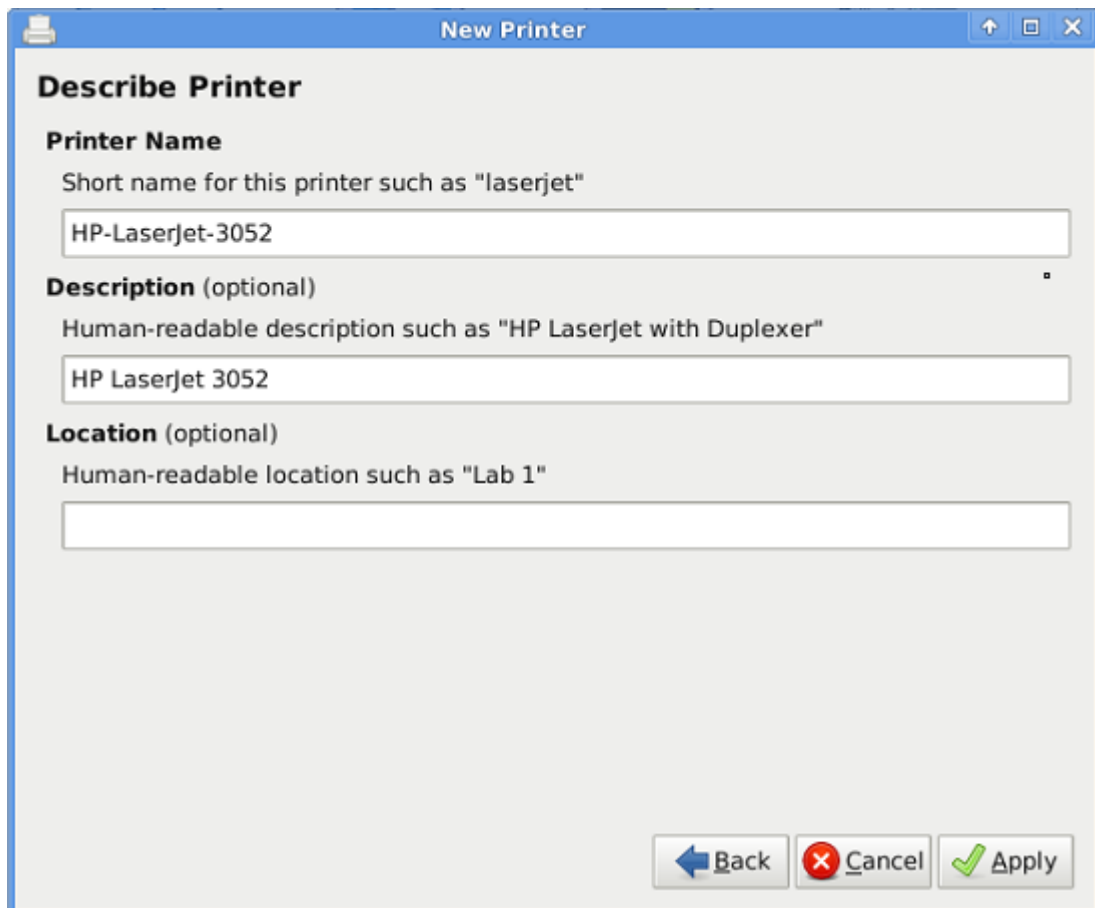
- A *Searching* dialog box pops up indicates the system is searching for the appropriate network printer drivers.



- Set the *Installed Options* then click *Forward* button to go to next page.



- Input *Printer Name*, *Description* and *Location* then click *Apply* button to finish the process.



The screenshot shows a Windows-style dialog box titled "New Printer". Inside, the "Describe Printer" section has three input fields. The first field, "Printer Name", has the text "HP-LaserJet-3052". The second field, "Description (optional)", has the text "HP LaserJet 3052". The third field, "Location (optional)", is empty. At the bottom right are three buttons: "Back" (with a left arrow), "Cancel" (with a red X), and "Apply" (with a green checkmark).

New Printer

Describe Printer

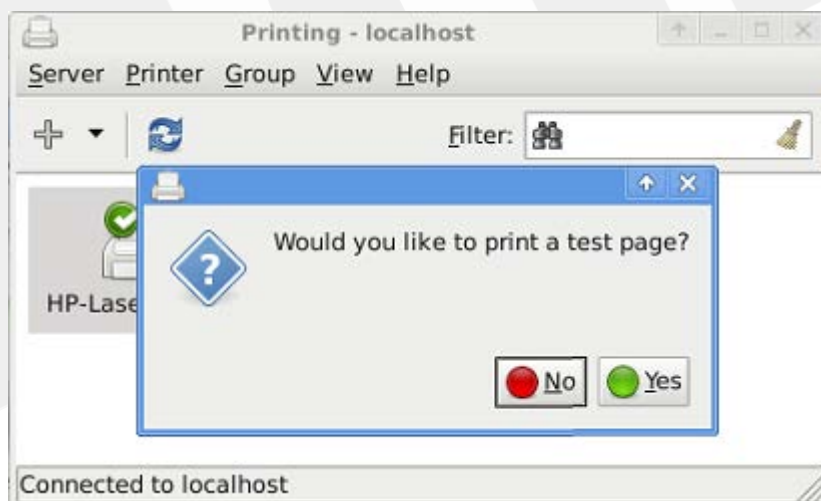
Printer Name
Short name for this printer such as "laserjet"
HP-LaserJet-3052

Description (optional)
Human-readable description such as "HP LaserJet with Duplexer"
HP LaserJet 3052

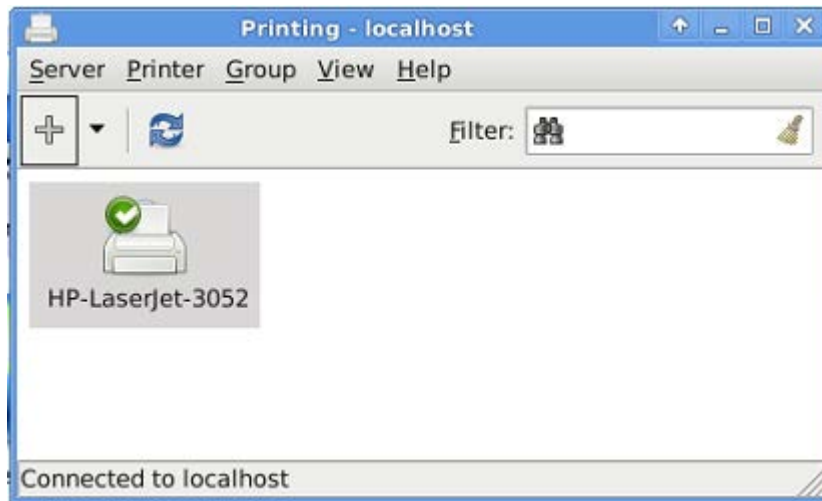
Location (optional)
Human-readable location such as "Lab 1"

Back Cancel Apply

- The system pops up and asks if you want to have a test page printed, go ahead and make your choice.



- Below screen shot shows that a new HP-LaserJet-3052 network printer has been added to the system.

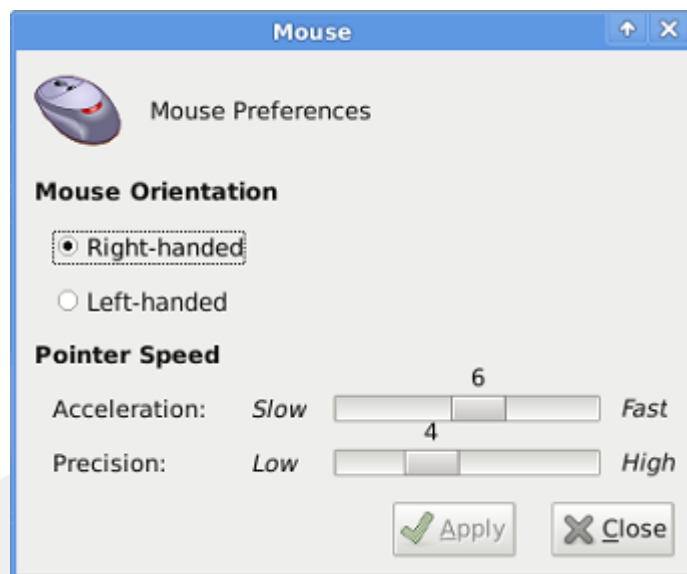


Mouse



Mouse

Mouse property page provides the function to switch the mouse buttons for *Right-Handed* or *Left-Handed*. With the *Pointer Speed Acceleration* slider bar you can easily adjust to your preferred speed of mouse cursor movement. When mouse cursor set with higher speed of motion, it becomes more difficult to operate the mouse cursor to focus on a small area on your screen. Adjust the *Pointer Speed Precision* slider bar to make the mouse cursor to move and focus more precisely for your preference.



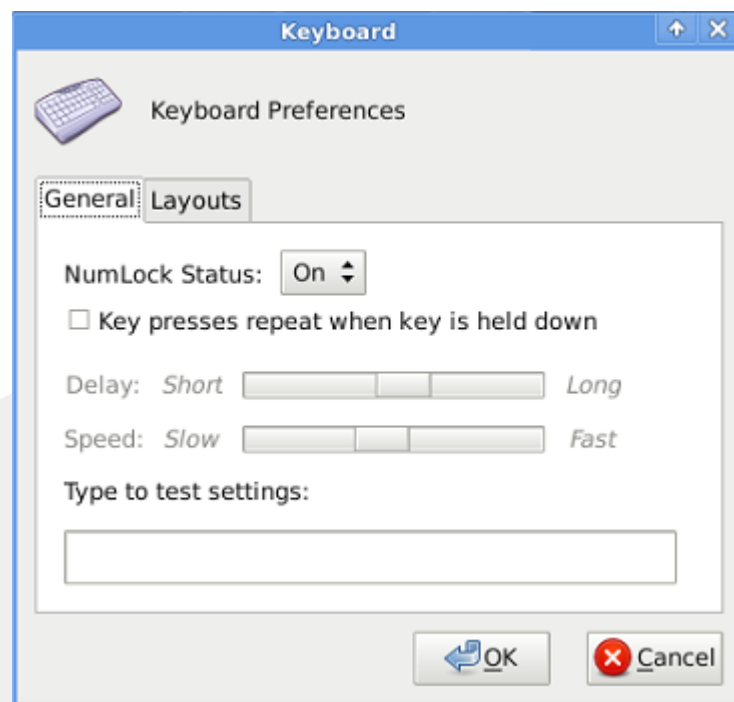
Keyboard



Keyboard

Two tab pages with *General* and *Layouts* are within the *Keyboard Preferences* dialog.

On the *General* page, you can set preferred *NumLock Status* from its dropdown menu to On or Off. Put a check mark to the option *Key presses repeat when key is held down*, you can alter the key strokes repeat rate. With the *Delay* slider bar you can determine how quickly a key will start to repeat when pressed down. With the *Speed* slider bar you can define how quickly the same character will be generated repeatedly. Try *Type to test settings* in the type testing text box and once you are satisfied with your personalized keyboard preference, you can continue to *Layouts* or simply click *OK* button to quit.



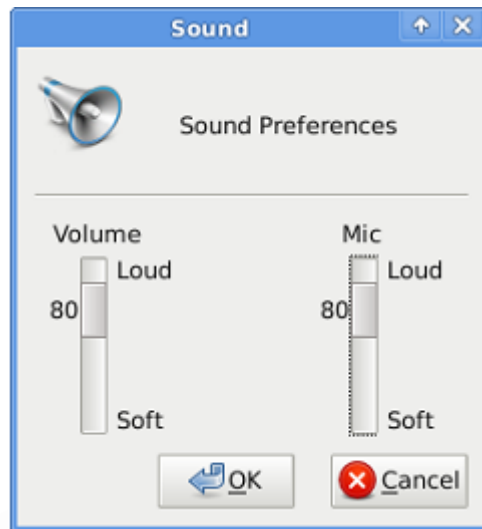
For the *Layouts* page, select the keyboard locale from the drop down list for mapping the physical layout of your keyboard.



Sound



Adjust to your *Sound Preferences* by setting up the *Volume* for the speaker and *Mic* on the *Sound* property page.

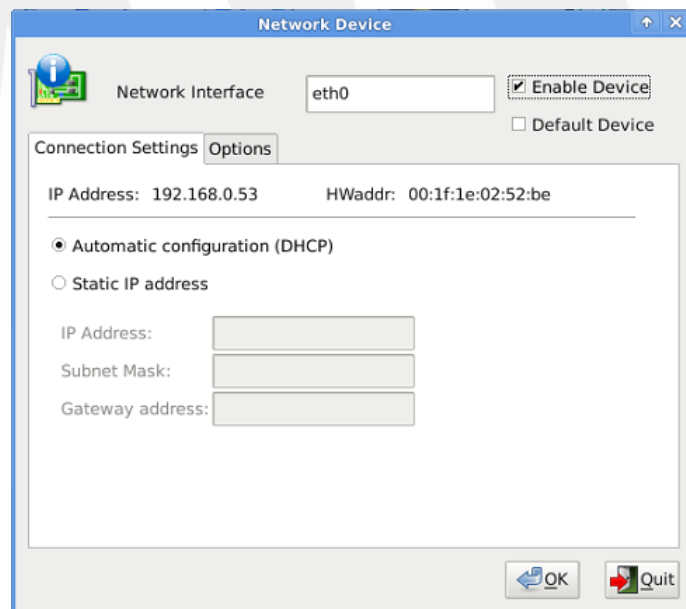


Network



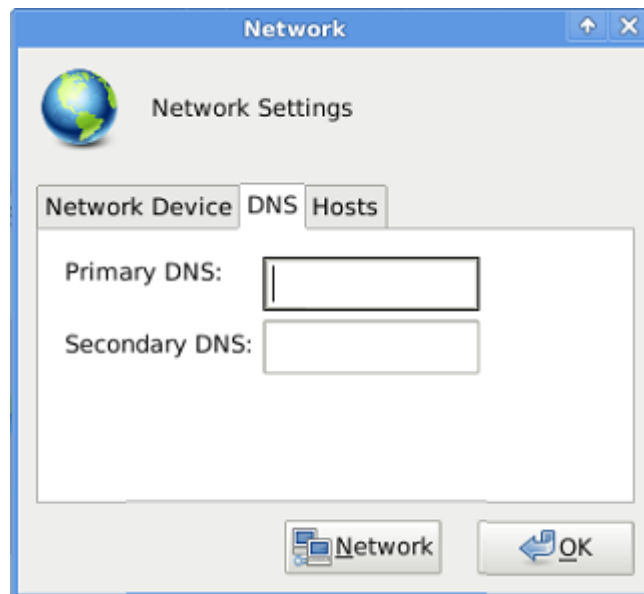
Network Device

Select the network device from the list and click *Network* button to display its current IP address and hardware MAC address. The device property page also allows you to change device name and to configure TCP/IP via *DHCP* or a *Static IP Address*.



DNS

You can specify the *Primary* and *Secondary* DNS server IP addresses on the *DNS* property page.

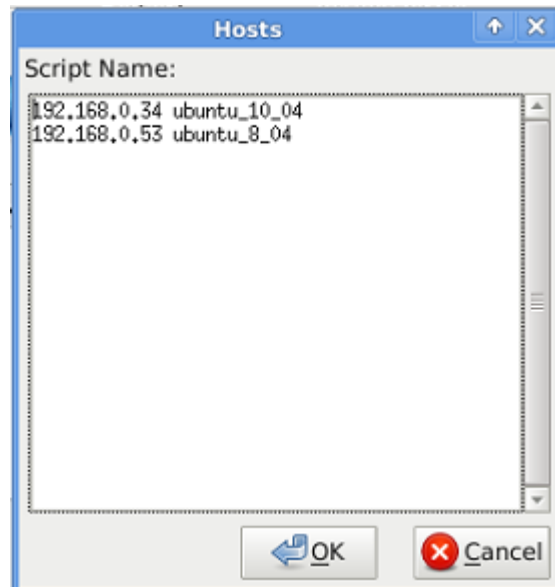


Hosts

You can click the *Edit* button to open the *Hosts* window and edit the host list directly if the server name does not exist on the DNS Server for some reason.



Add an entry that associates an IP addresses to its hostname. Multiple but unique IP address to hostname pair is allowed. Each entry in this list should contain an *IP address and hostname pair* that is separated by a whitespace in between. Please refer to below screen shot for an example of a syntax correct hosts entry. Click *OK* button to add a new entry to the *Hosts* list.

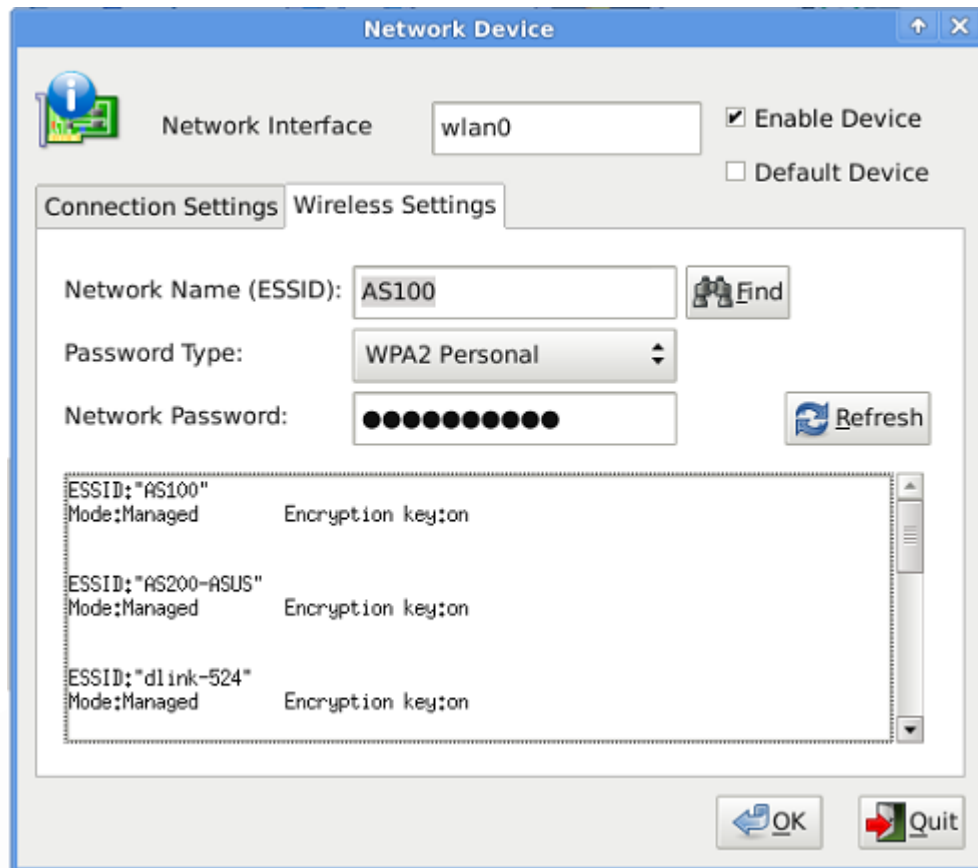


Wireless LAN Setting

Select the wireless device from *Network Device* and press the *Network* button; you are now configuring the *Wireless Lan Setting* for the chosen wireless device.

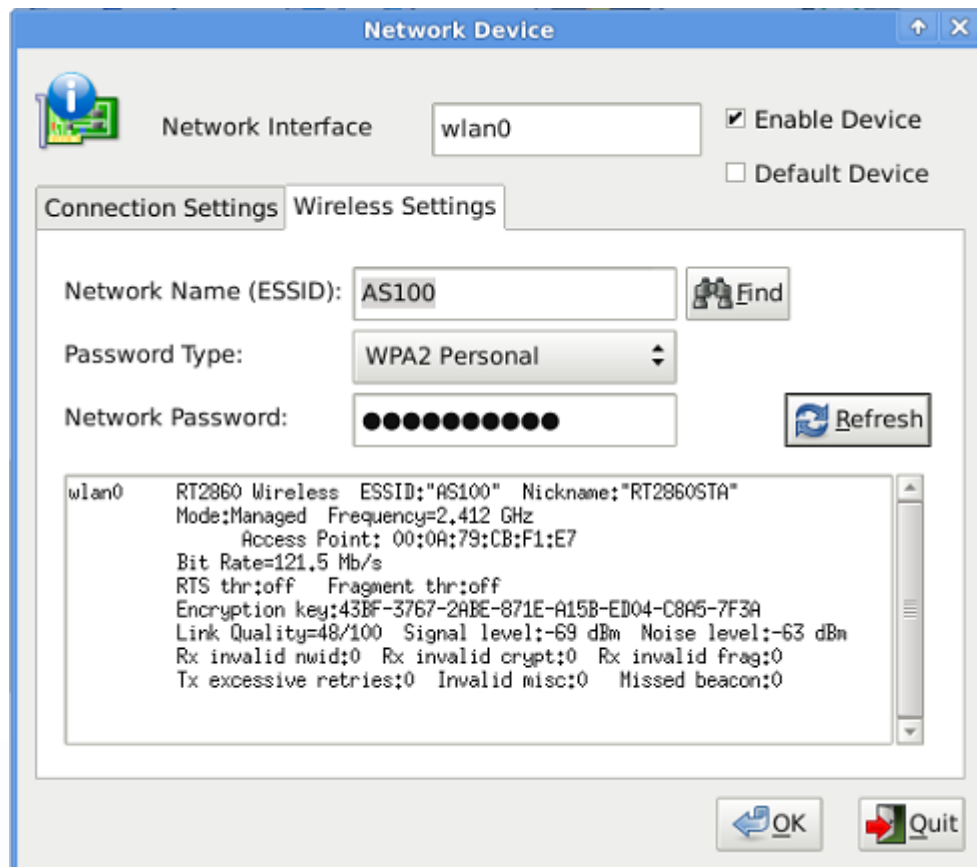
Make sure the *Enable Device* is checked. It might take up to 30-45 seconds for the device to be enabled and ready for next step.

Next you need to find an available AP to connect. Press the *Find* button, wait about 30 seconds then all available APs should be listed as shown below.



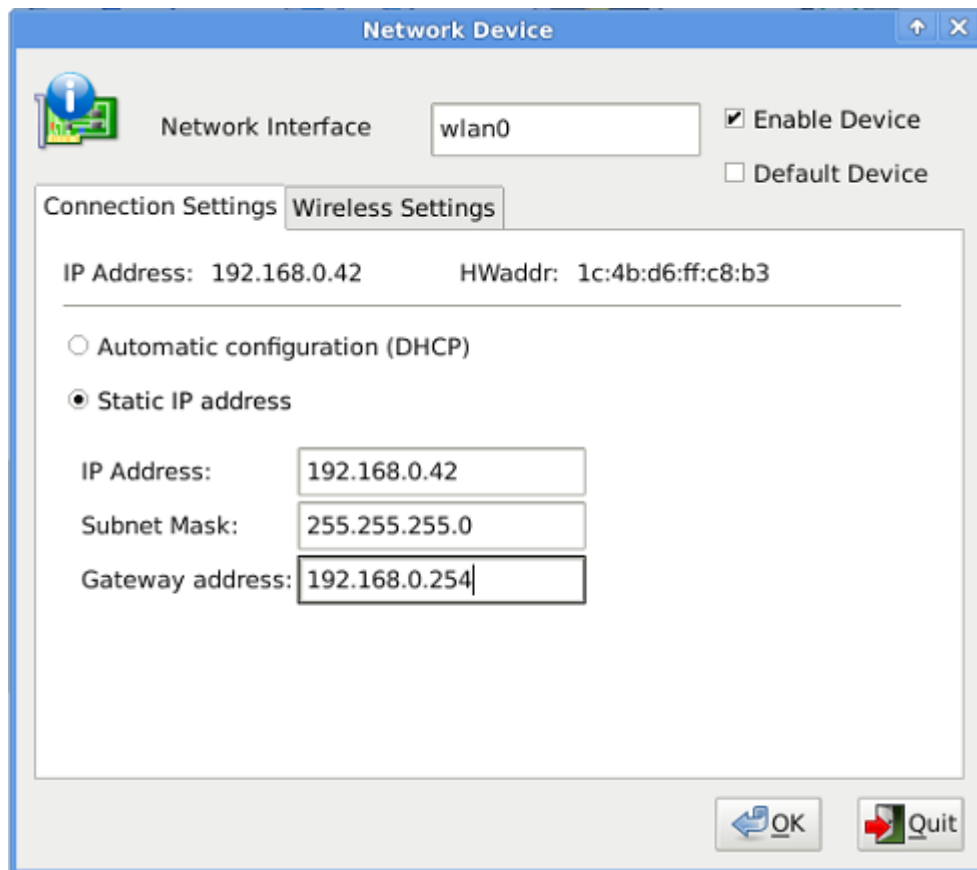
Please follow the steps to complete the *Wireless LAN Setting*:

1. Please change from “any” to the AP’s *ESSID* which you want to connect.
2. Choose the necessary *Password Type*.
3. Key in the *Network Password* then press *OK*. It may take up to 30 seconds to apply the configuration. This dialog will close when the connection is established and ready for work.
4. Consult your network administrator for help.



Connection Settings

Both *DHCP* and *Static IP address* are supported. Consult your network administrator for more details.



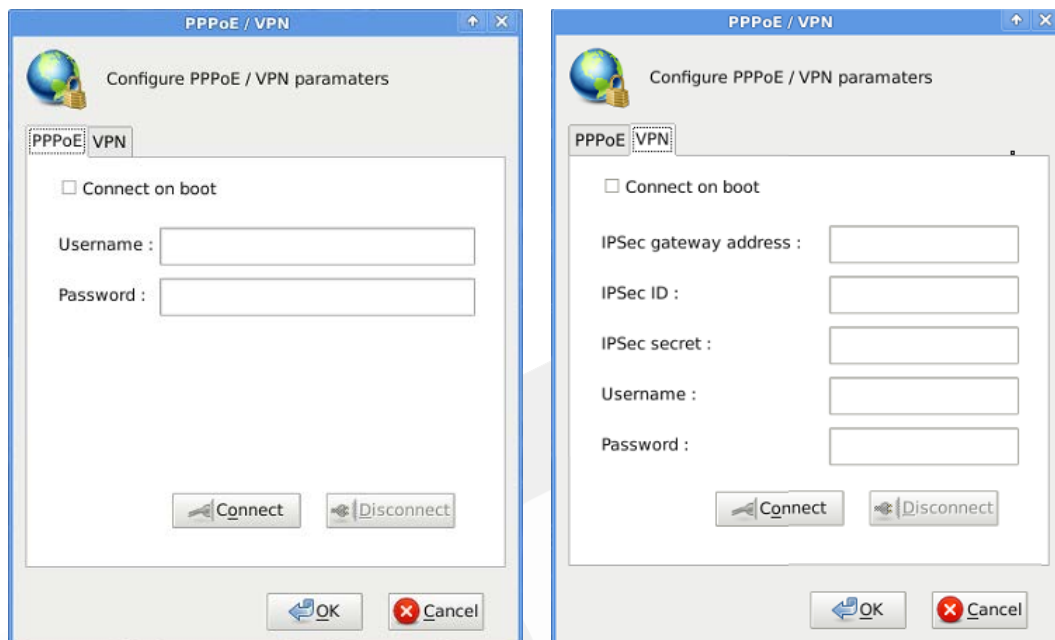
The screenshot shows a window titled "Network Device" with a blue header bar. Below the header, there is a "Network Interface" field containing "wlan0". To the right of this field are two checkboxes: "Enable Device" (checked) and "Default Device" (unchecked). Below these are two tabs: "Connection Settings" and "Wireless Settings", with the latter being selected. The "Wireless Settings" tab contains the following information: "IP Address: 192.168.0.42" and "HWaddr: 1c:4b:d6:ff:c8:b3". Below this, there are two radio buttons: "Automatic configuration (DHCP)" (unselected) and "Static IP address" (selected). Under the "Static IP address" option, there are three text input fields: "IP Address:" with the value "192.168.0.42", "Subnet Mask:" with the value "255.255.255.0", and "Gateway address:" with the value "192.168.0.254". At the bottom right of the window are two buttons: "OK" and "Quit".

Please note that for the Wireless LAN Settings, it might take up to 30-45 seconds for changes made to be applied when pressing the OK button. Depending on your network communications and delays, the time for waiting may vary. Please be patient.

PPPoE&VPN



PPPoE/VPN property page provides the function to establish a point to point connection with the specific *Username* and *Password*. This connection can be established automatically when the system starts up by checking the option *Connect on boot*.



The image displays two side-by-side screenshots of the 'Configure PPPoE / VPN parameters' window. The left window shows the 'PPPoE' tab selected, with fields for 'Username' and 'Password', and a 'Connect on boot' checkbox. The right window shows the 'VPN' tab selected, with fields for 'IPSec gateway address', 'IPSec ID', 'IPSec secret', 'Username', and 'Password', and a 'Connect on boot' checkbox. Both windows have 'Connect' and 'Disconnect' buttons and 'OK'/'Cancel' buttons at the bottom.

NetFS

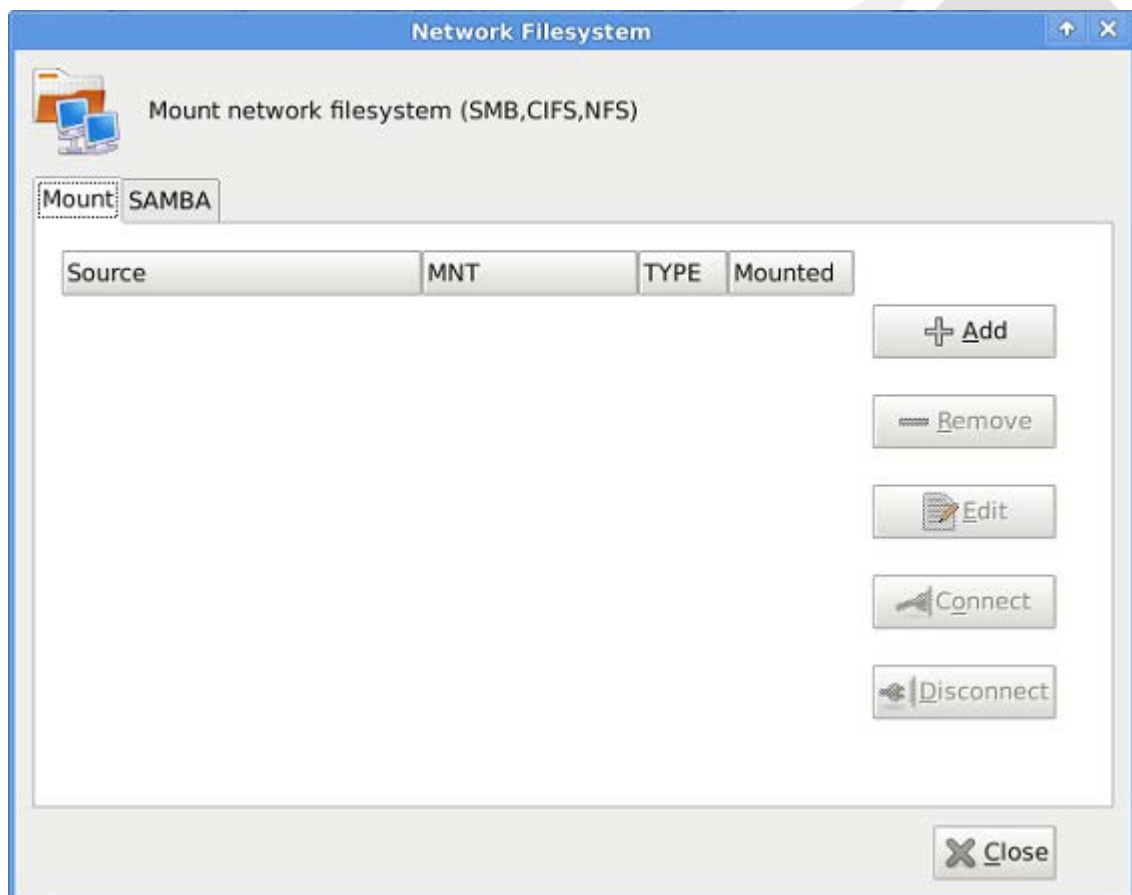


Network Filesystem property page provides the following functions:

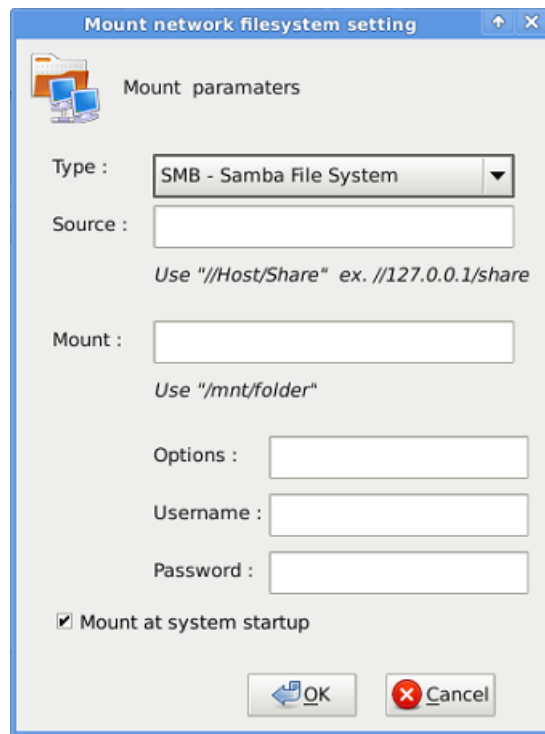
- *Add*, *Remove* and *Edit* configurations for mounting network shared folder as local folder.
- *Mount* and *Unmount* network shared folder.
- Share your local printers over SAMBA server.

Mount

Click the *Add* button to open the *Mount network filesystem* dialog.



First, select network filesystem type from the *Type* drop down list. Then set shared folder path in the *Source* textbox and local mount point in the *Mount* textbox. Specify additional *Options*, *Username* and *Password* if necessary. Please note that the password is case sensitive. The shared folder can be mounted automatically when system starts up by checking the option *Mount at system startup*.

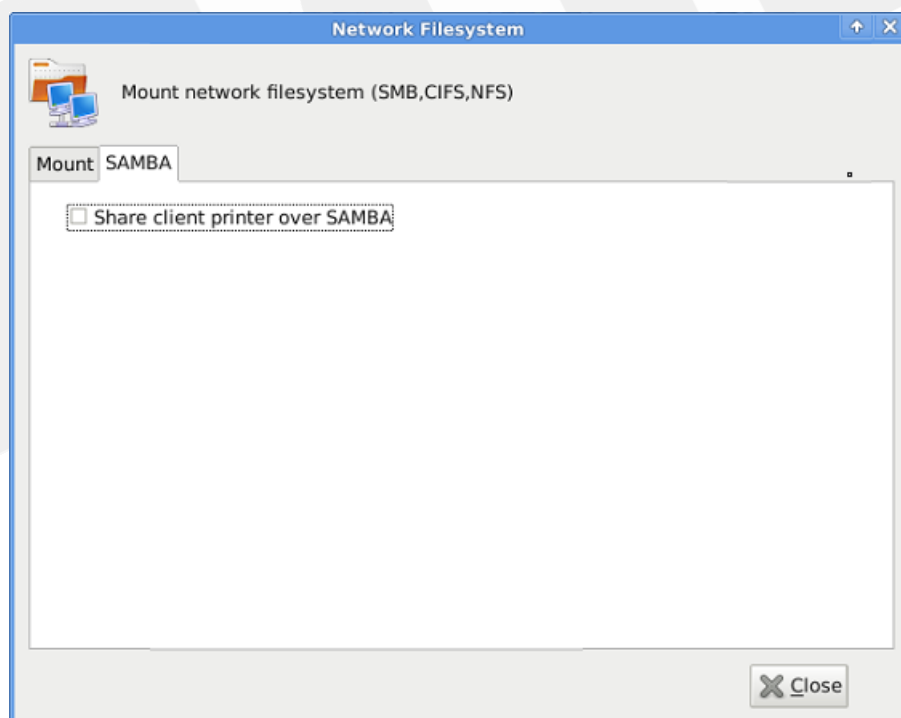


The dialog box is titled "Mount network filesystem setting". It contains the following fields and options:

- Type :** A dropdown menu with "SMB - Samba File System" selected.
- Source :** A text input field. Below it, a hint text reads: "Use '//Host/Share' ex. //127.0.0.1/share".
- Mount :** A text input field. Below it, a hint text reads: "Use '/mnt/folder'".
- Options :** A text input field.
- Username :** A text input field.
- Password :** A text input field.
- ☒ **Mount at system startup**
- Buttons: **OK** and **Cancel**.

SAMBA

To share your local printers, check the option *Share client printer over SAMBA*.



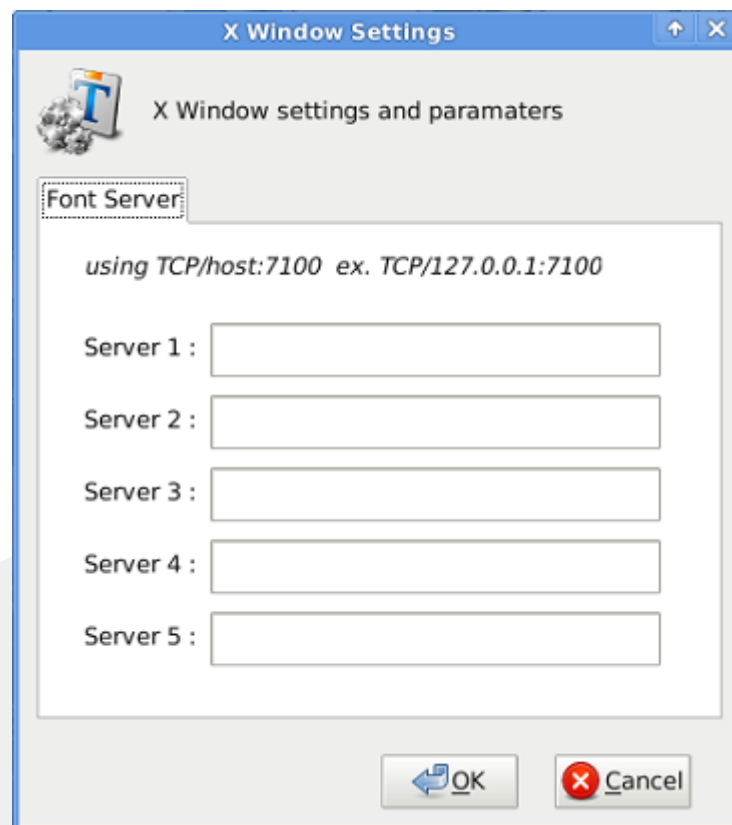
The dialog box is titled "Network Filesystem". It contains the following elements:

- Subtitle: "Mount network filesystem (SMB,CIFS,NFS)".
- Tab: "Mount SAMBA".
- Option: ☐ **Share client printer over SAMBA**.
- Button: **Close**.

Font Server



Key in the server path of which the Font Server can obtain fonts from, so to fulfill the X client application requirement to display characters correctly.

The 'X Window Settings' dialog box, titled 'X Window settings and paramaters'. It has a 'Font Server' tab selected. The tab contains the text 'using TCP/host:7100 ex. TCP/127.0.0.1:7100'. Below this, there are five input fields labeled 'Server 1 :', 'Server 2 :', 'Server 3 :', 'Server 4 :', and 'Server 5 :'. At the bottom right, there are 'OK' and 'Cancel' buttons.

X Window Settings

X Window settings and paramaters

Font Server

using TCP/host:7100 ex. TCP/127.0.0.1:7100

Server 1 :

Server 2 :

Server 3 :

Server 4 :

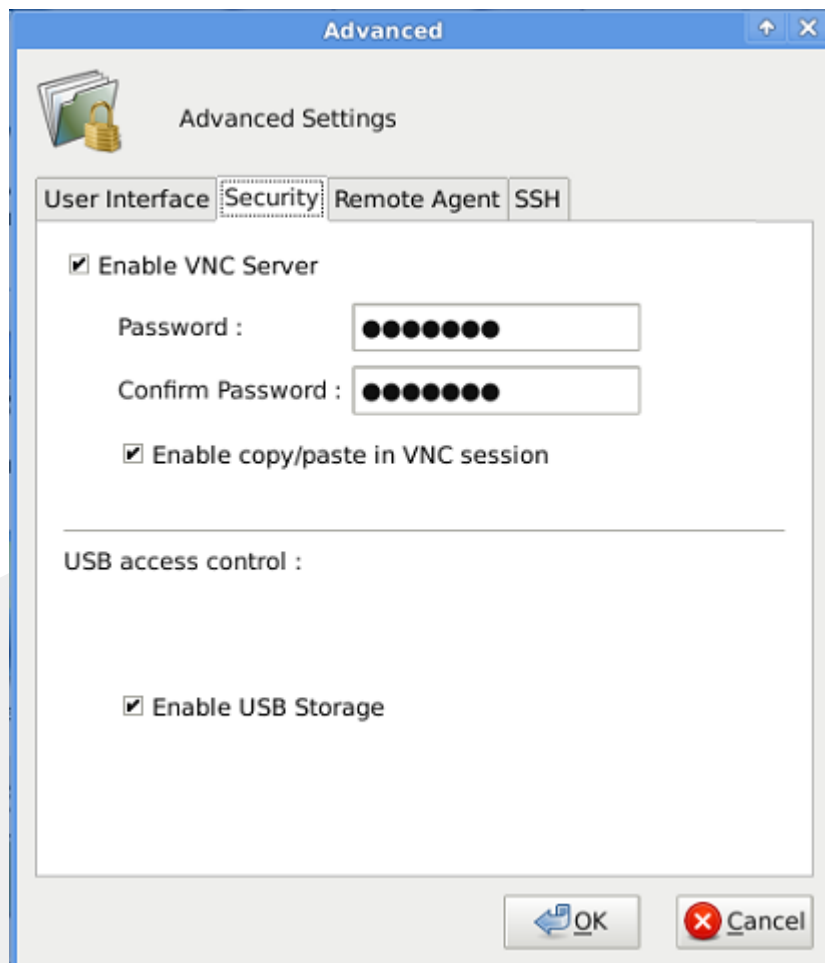
Server 5 :

OK Cancel

Advanced



The *Advanced* property page allows you to configure your client with advanced options including UI style, user access control, remote access control and USB access control.



User Interface

User Interface tab allows you to add restrictions to protect the system from unexpected usage:

- If you want to prevent user from create, modify or delete a connection setting, you can check the option *Hide Connection Configure Tab* to hide the *Configure* tab from the *Terminal Connection Manager*.
- If you want to prevent user from execute applications, you can check the option *Hide Application Tab* to hide the *Application* tab from the *Terminal Connection Manager*.

- If you want to prevent user from accessing *Control Panel* configurations directly, you can check the option *Need password for accessing Control Panel*, and then give a password to the *Password* and *Confirm Password* textbox. Please note that the password **is case sensitive**.

Window manager mode:

Switch user interface in between *Windows Desktop Shell* and *Windows Based Terminal Shell (WBT)* mode to your preference.

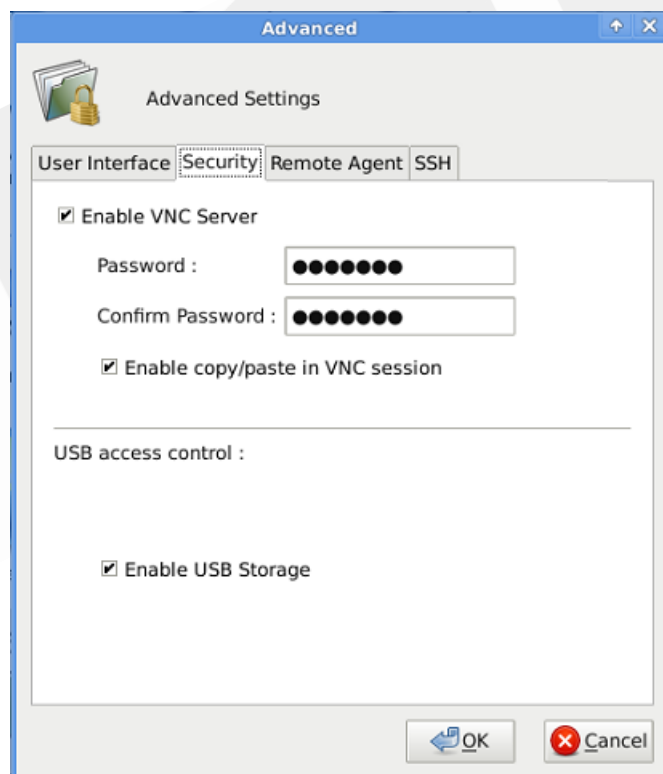
- The *Windows Desktop Shell* mode is the system's default and is very similar to the common modern PC operating system, such as the Microsoft® Windows^(TM). Most PC users should be used to work and operate in this mode.
- The *Windows Based Terminal Shell (WBT)* mode is designed to the specified terminal operating style. Usually chosen when the system is configured for special purposes or requirements.

After rebooting, the system user interface will switch to the style you choose.

Security

Security tab allows you to configure the pre-installed VNC Sever, which enables a remote machine to establish a remote administrative session. You can check the option *Enable VNC Server* to activate this function, providing password into the *Password* and *Confirm Password* textbox are keyed in and *OK* to apply. By default, the VNC Sever is enabled, and the preset password is **Admin#1**

It also provides USB device access control. Currently only enabling/disabling *USB Storage* class is supported.



Remote Agent

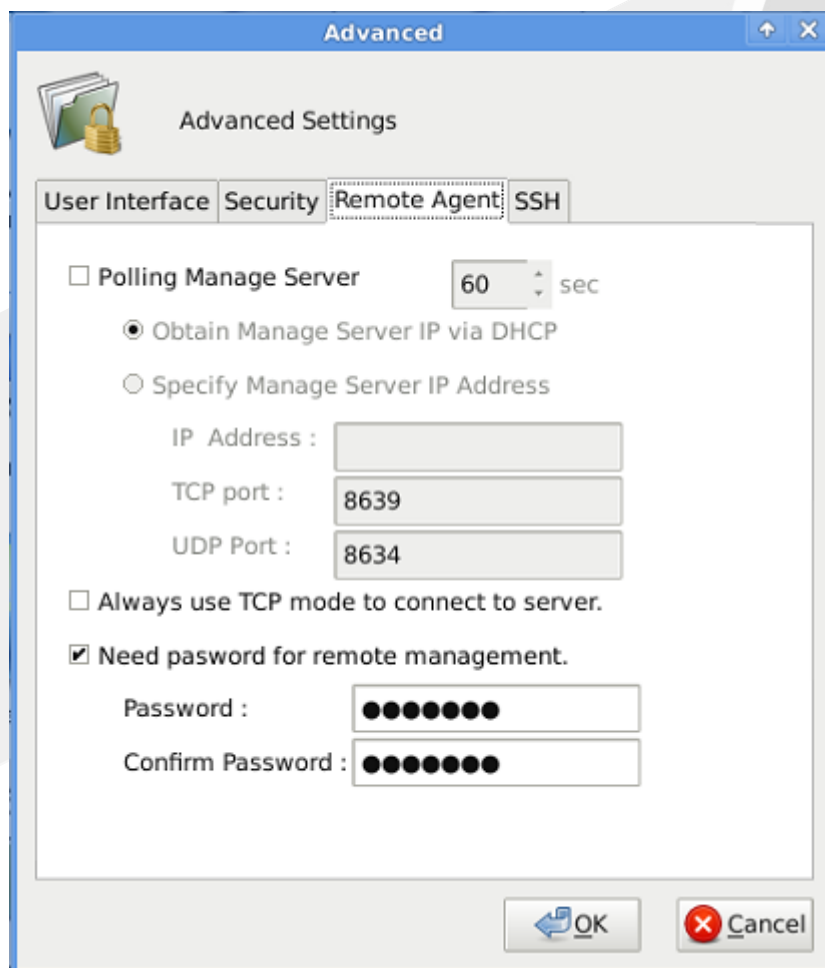
The Astec Management System (AMS) is designed to assist network administrators to efficiently and remotely complete routine administrative tasks for the Astec thin clients on the network.

With the installed Astec AMS Server on a machine on the same network, you can monitor the Astec thin clients status of operations, remotely configure system basic settings, and other administrative tasks discussed in the later section.

The *Polling Manage Server* is to acknowledge the AMS server that the thin client is on line, should the automatic discovery feature from the AMS server ever fail to find the thin client's presence on the network. Complete the configurations with setting up the AMS Server's *IP address*, the *TCP port* and *UDP port*. By adjusting the *seconds* drop down menu, the client will send its network information to AMS Server every N seconds to make itself discovered and thus the availabilities of remote management.

To make sure that the connection between thin client and AMS Server is reliable, you can check the option *Always using TCP mode connect to server* to ensure that data gets transmitted to the AMS Server with the beneficial TCP protocol.

For security reasons, you can check the option *Need password for remote management* and input password into the *Password* and *Confirm Password* textbox to protect your system from unwanted access. By default, this option is enabled and the password is **Admin#1**



SSH Server

This option enables the built-in SSH server of the thin client. Specify the *User* and *Password*, you can also enable the root privilege login. In case root privilege is necessary, please enable the option and type in the new root *Password*.



The image shows a screenshot of the 'Advanced Settings' dialog box, specifically the 'SSH' tab. The dialog has a title bar with 'Advanced' and standard window controls. Inside, there's a tabbed interface with 'User Interface', 'Security', 'Remote Agent', and 'SSH'. The 'SSH' tab is active. It contains two main sections. The first section is 'Enable SSH Server', which has a checkbox that is currently unchecked. Below this checkbox are three text input fields labeled 'User:', 'Password:', and 'Confirm Password:'. The second section is 'Login Super User', which also has an unchecked checkbox. Below this is a section titled 'Change root password' with another unchecked checkbox, followed by two text input fields labeled 'Password:' and 'Confirm Password:'. At the bottom right of the dialog are 'OK' and 'Cancel' buttons.

Advanced

Advanced Settings

User Interface Security Remote Agent **SSH**

☐ Enable SSH Server

User :

Password :

Confirm Password :

☐ Login Super User

☐ Change root password

Password :

Confirm Password :

OK Cancel

USB Storage



USB Storage

You can select *USB Storage* devices, such as a USB Flash, from the Mounted USB storage devices list and click *Remove* button to unmount it safely.

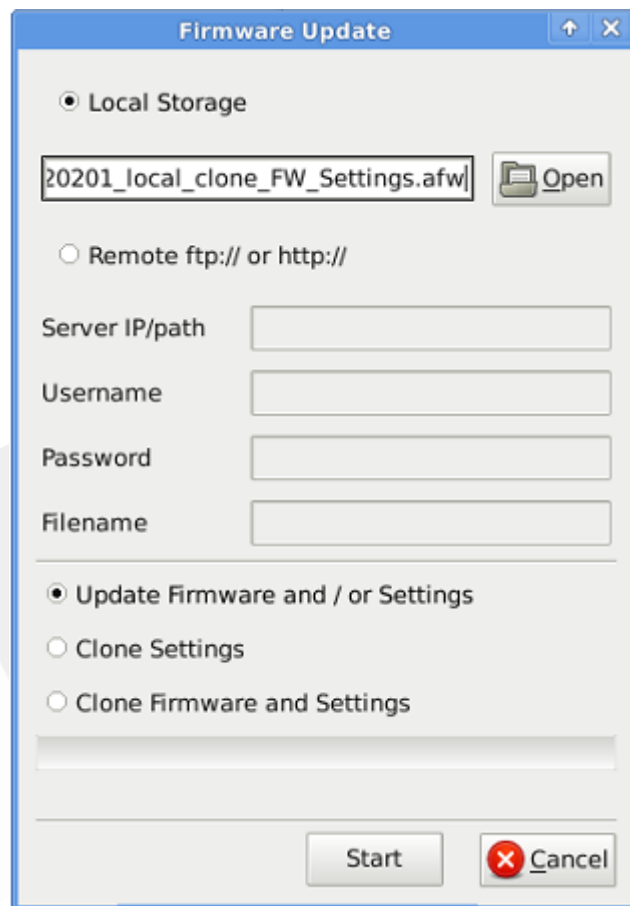


System Firmware

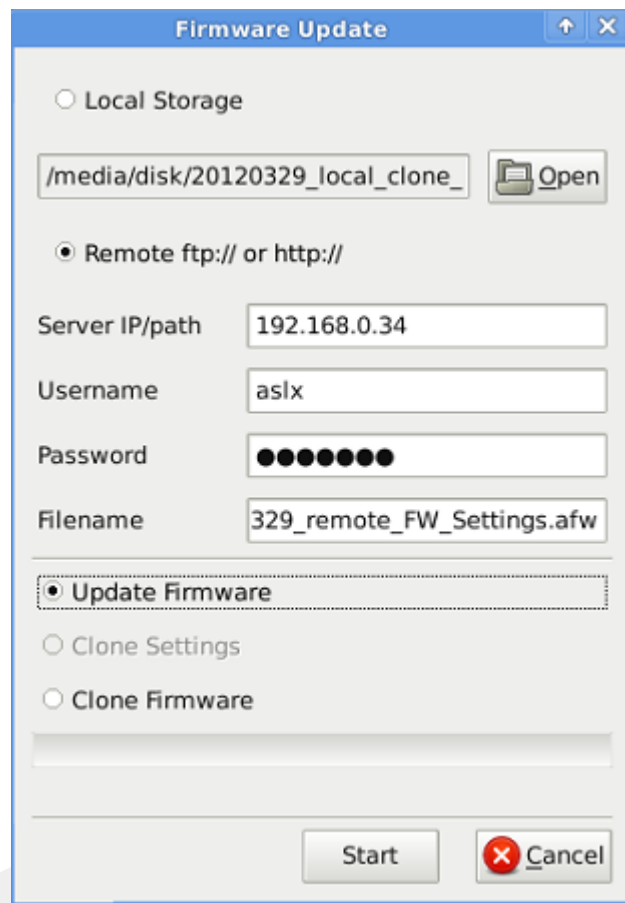


System Firmware property page allows you to update the firmware on the thin client from either a local storage or thorough FTP, HTTP server. To update the firmware, please perform the following steps:

1. Select the option *Local Storage* and Click *Open* button to open the Browse File window. Then select the firmware file from local storage and click *Open* button.



2. Or select the option *Remote ftp:// or http://* and input server *IP Address** to indicate where the firmware resided, you user name, password, and the firmware file name.

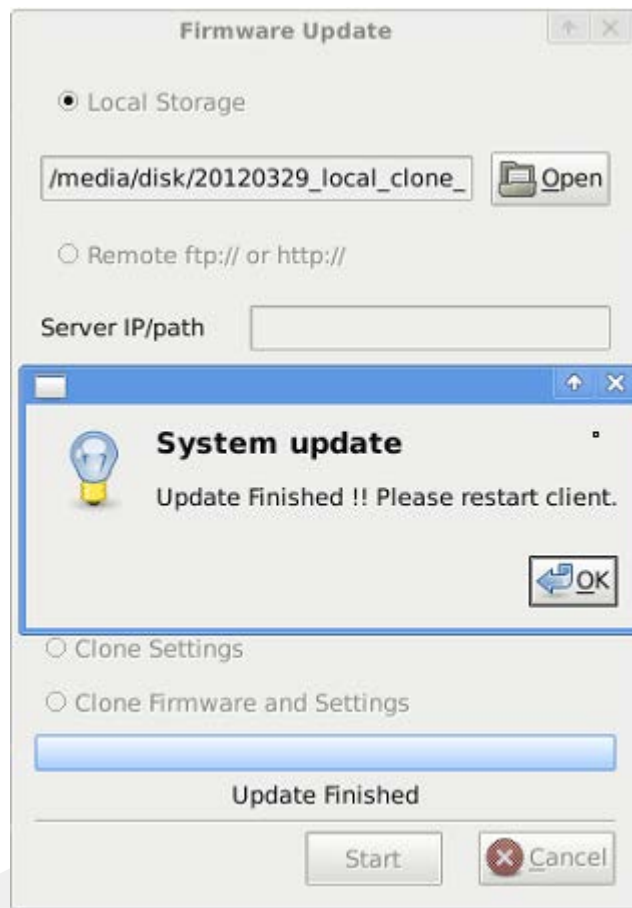


3. Click *Start* button and a warning message will popup.

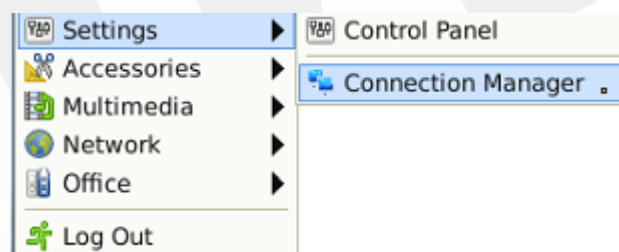


** The Remote Clone and Update feature works under a special environment and currently only IP Address of the remote server is supported. (DNS look up is not supported.)*

4. You can click OK button to start updating. When the updating process finishes, the system will prompt you for a reboot.

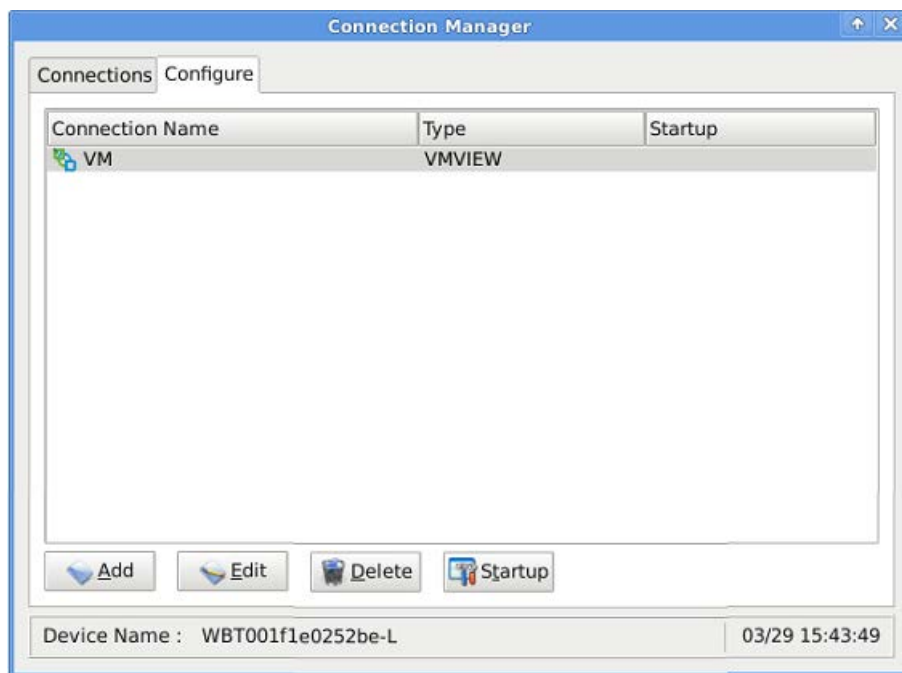


Up to this point we've finished discussion of the system *Control Panel*. Next, we are going to discuss the *Connection Manger*.

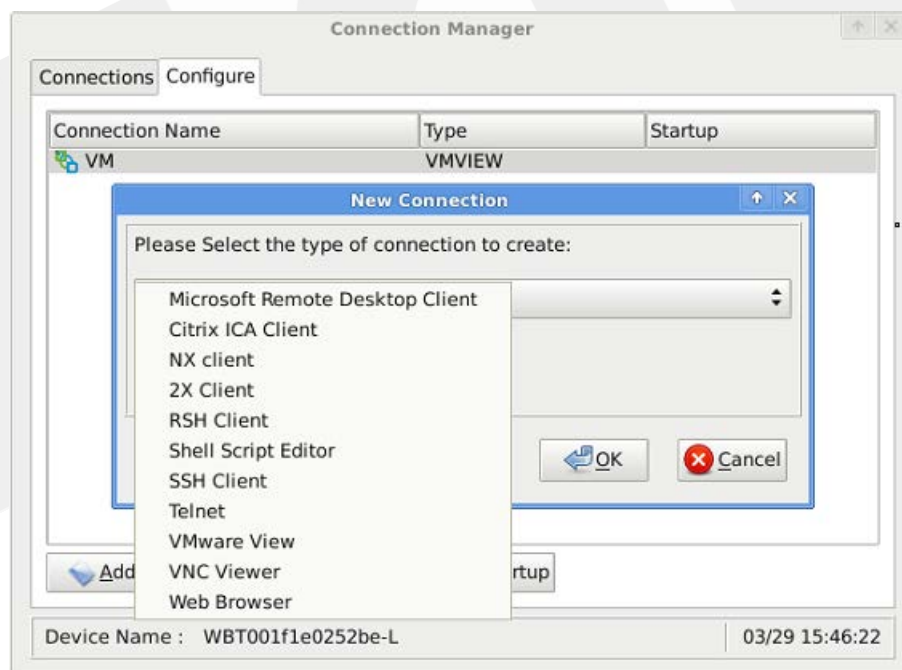


Connection Manager

The *Connection Manager* is designed to simplify the user 3rd party connection* agents' management. By default the Connection Manager is automatically launched and at your service.



Click on the *Configure* tab, then *Add* to continue with below sections. The *New Connection* dialog pops up and the dropdown menu shows a list of currently avail 3rd party connection agents.



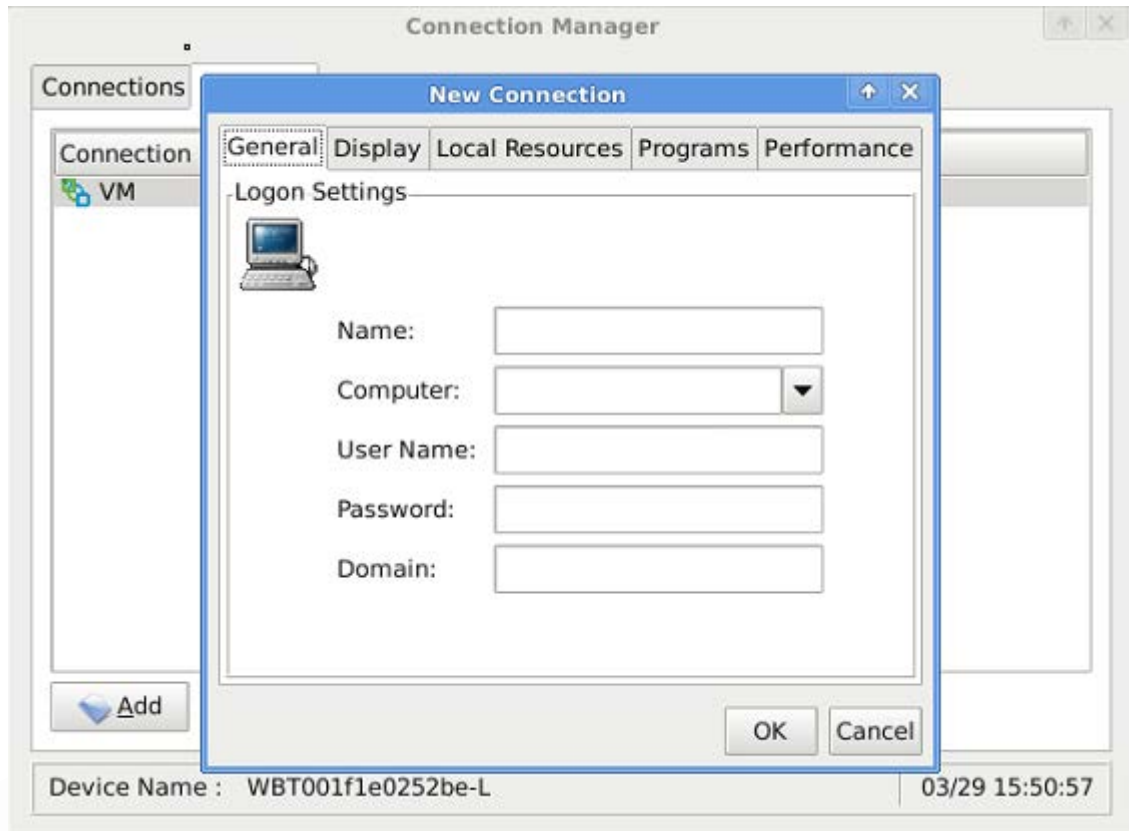
* New 3rd party connection agent will be added to the list when they become available.

We are going to discuss a selected few agents in details for your references.

Microsoft Remote Desktop Client

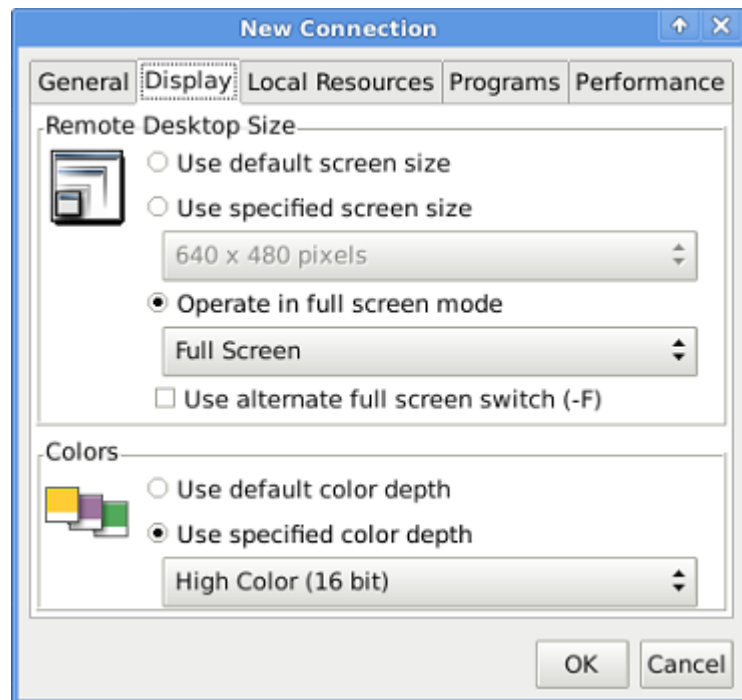
Please perform the following steps to create a *Microsoft Remote Desktop Client* configuration:

1. Click Add button in Configure tab to open the New Connection window.
2. Select *Microsoft Remote Desktop Client* from the drop down list and click OK button to lunch.

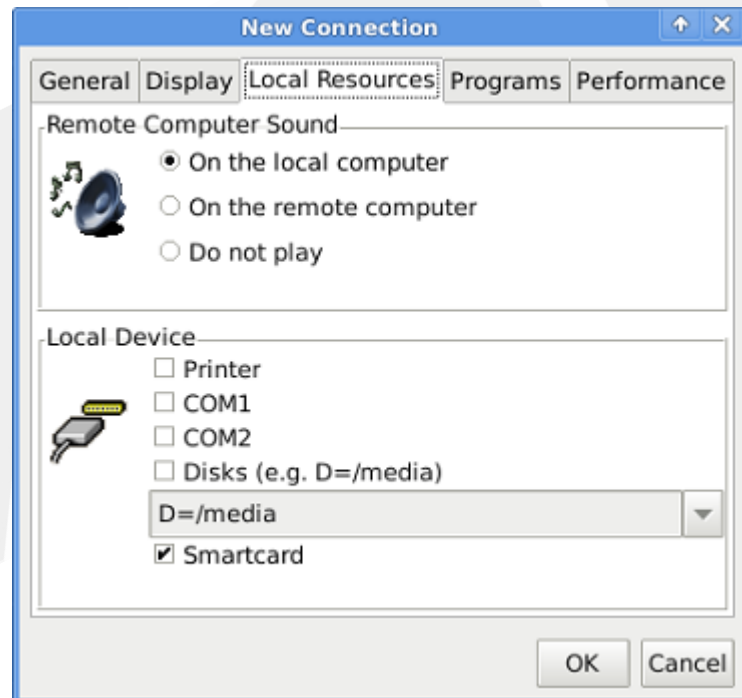


3. Input logon settings in *General* tab. The *Name* textbox will be used for the name displayed in the *Connections* and *Configure* tab.

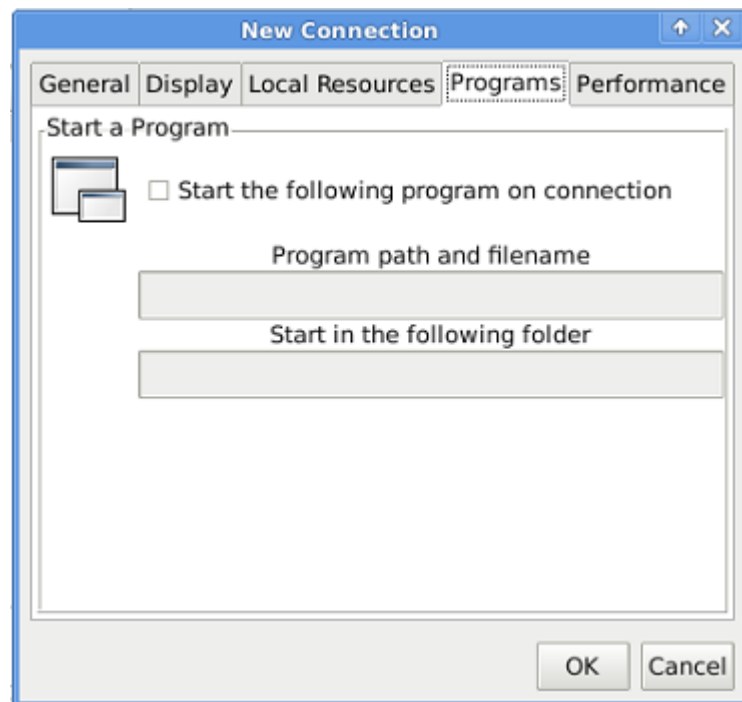
4. Choose preferred *Remote Desktop Size* and *Colors* options in *Display* tab.



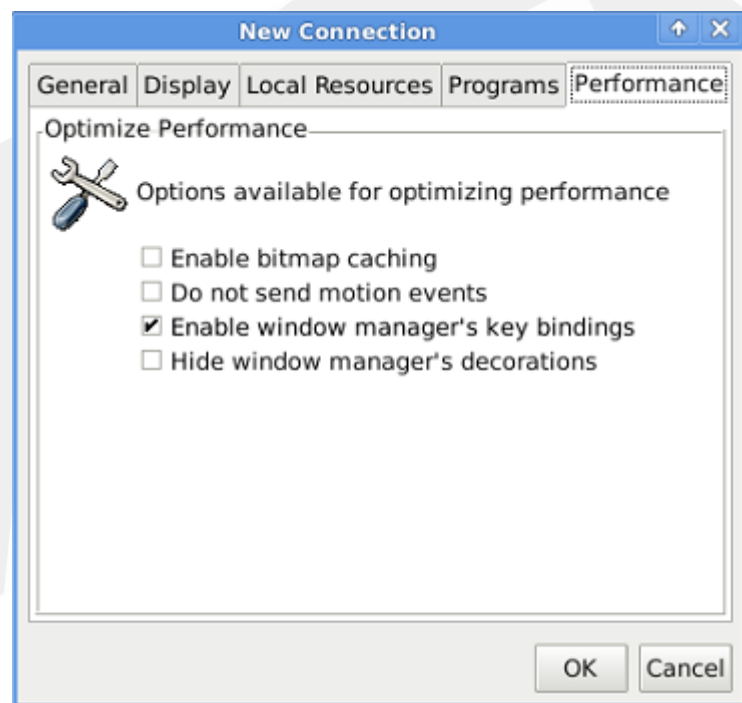
5. Determine how will *Remote Computer Sound* be played back and which *Local Device* would be connected to remote computer in *Local Resources* tab.



6. Specify which program will start while connected to remote computer.



7. Check options available for optimizing the connection's performance.

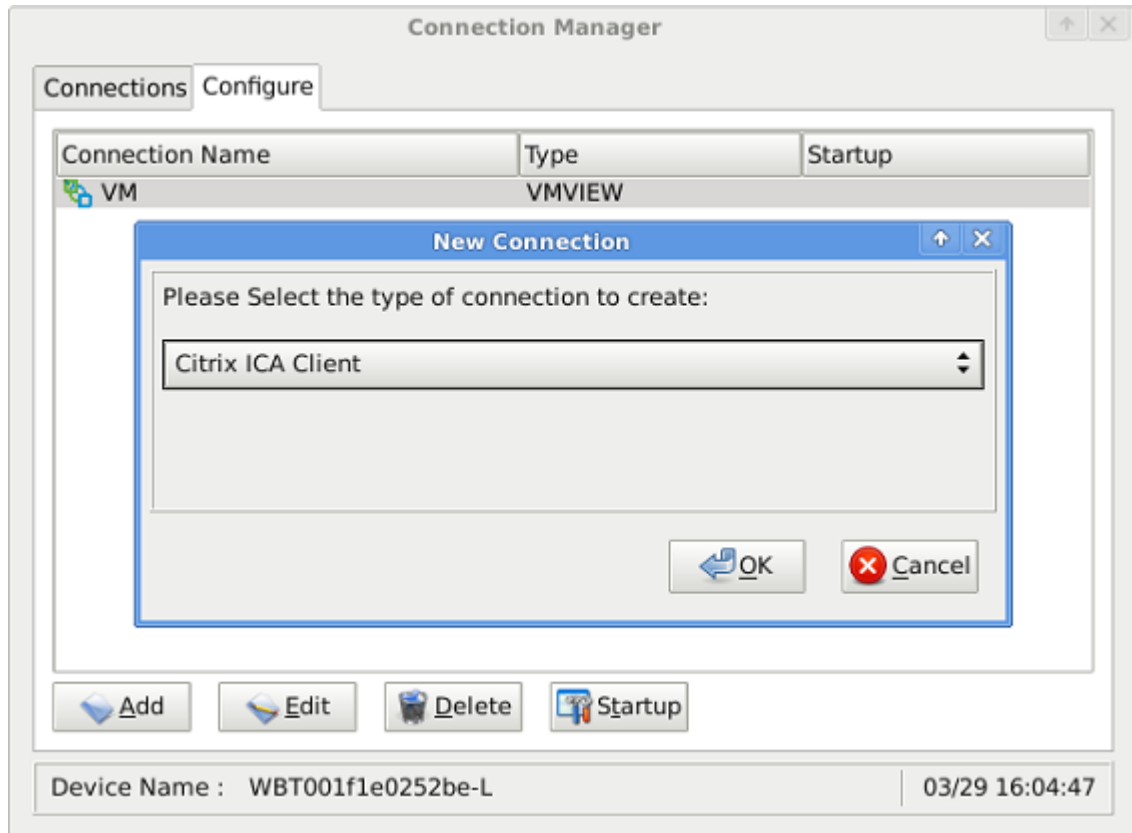


8. Click OK button to finish the process. The new connection name will be added to the lists under *Connections* and *Configure* and tab pages.

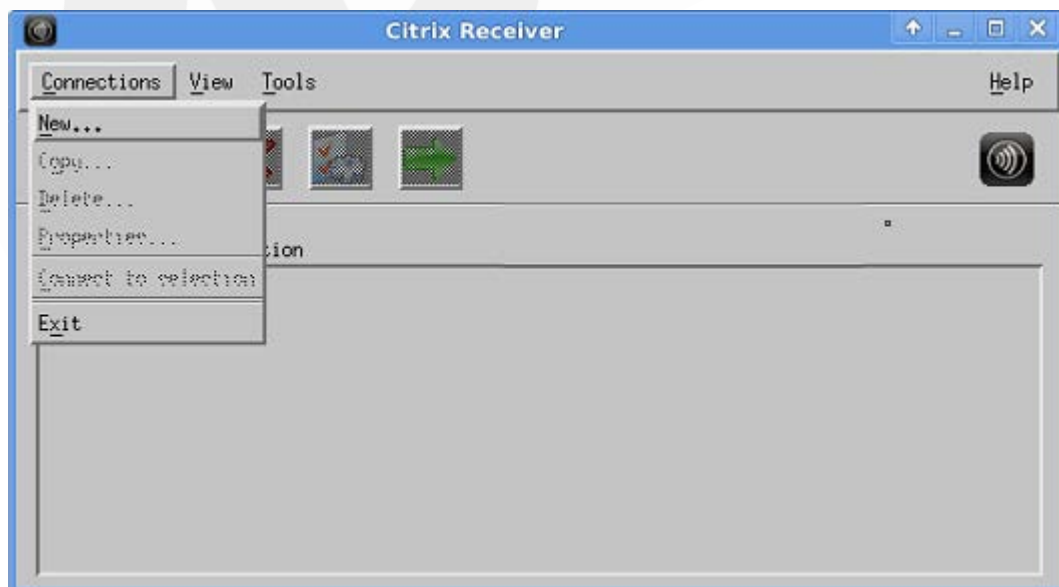
Citrix ICA Client

Please perform the following steps to create a Citrix ICA Client configuration:

1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *Citrix ICA Client* from the drop down list and click *OK* button to lunch *Citrix Receiver for Linux*.



3. Click *New* Button or select *New...* from *Connections* menu to open property window.



4. Use default *Network Protocol* or uncheck the option *Use Default* to specify the Network Protocol.
5. Use default *Server Location* or uncheck the option *Use Default* to input sever name or IP address.
6. Choose *Server* or *Published Application* and click ... button to select.
7. Modify the description if necessary. This description will be used for the display name in the *Connections* and *Configure* tab pages.

The screenshot shows a 'Properties' dialog box with a 'Network' tab. The 'Network Protocol' section has a 'Use Default' checkbox and a dropdown menu showing 'TCP/IP + HTTP server location'. The 'Server Location' section has a 'Use Default' checkbox and a text field containing '192.168.0.150'. The 'Server' radio button is selected, and the 'Published Application' radio button is also visible. Below these are a 'Description' field with 'Citrix Connection' and a 'Destination' field with '192.168.0.150'. A button with three dots is next to the Destination field. At the bottom are 'OK', 'Apply', and 'Cancel' buttons.

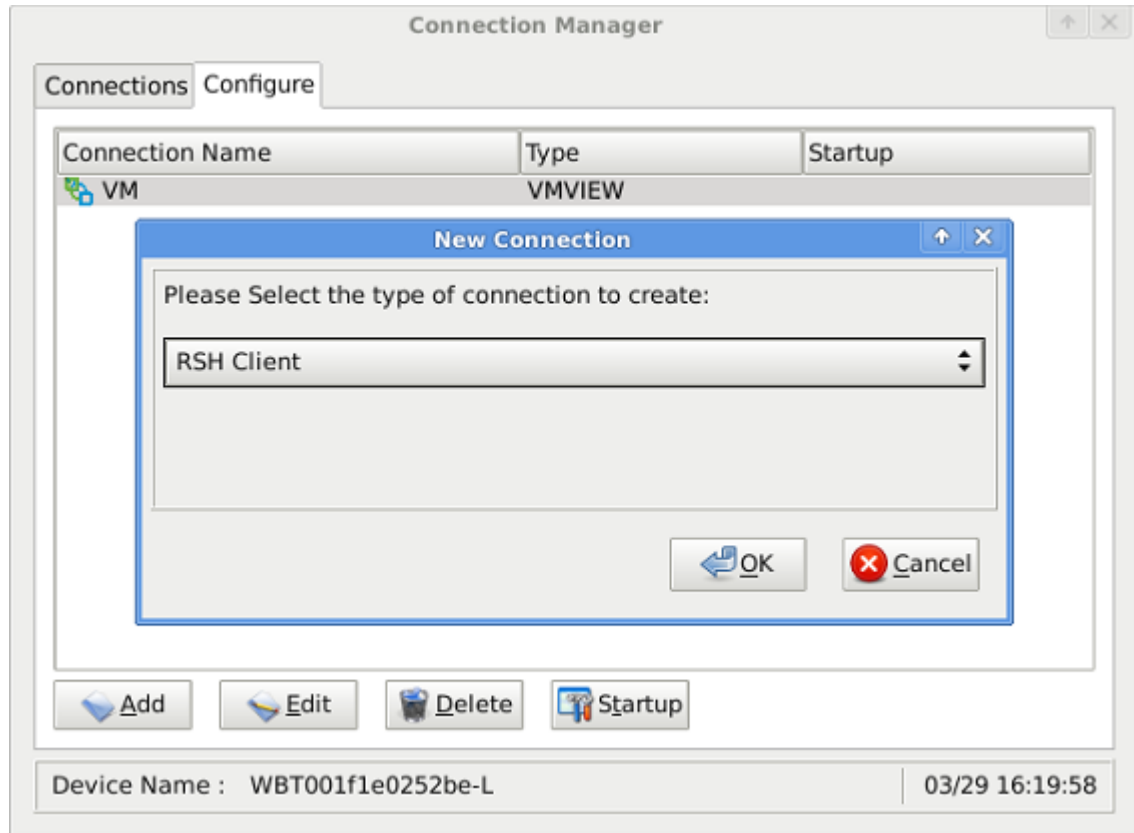
8. Click *Apply* button or *OK* button to finish the configuration process. The new connection name will be added to the lists under *Connections* and *Configure* tab pages.
9. The Citrix Receiver also include *XenApp* and *XenDesktop* connection ability. For more detailed information regarding to creating and managing the connection please refer to the Citrix Product Documentation site at :

<http://support.citrix.com/proddocs/index.jsp?topic=/receiver-linux-blackfoot/linux-readme-11-100.html>

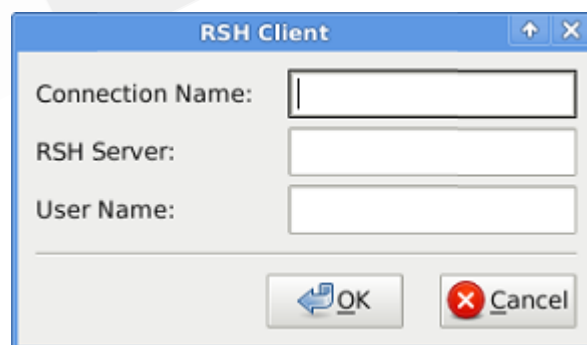
RSH Client

Please perform the following steps to create a *RSH Client* configuration:

1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *RSH Client* from the drop down list and click *OK* button to lunch.



3. Input *Connection Name* and this name will be used for the display name in the *Connections* and *Configure* tab pages.
4. Input *RSH Server* name or IP address.
5. Input *User Name*.



6. Click *OK* button to finish the process. The configuration is now completed.

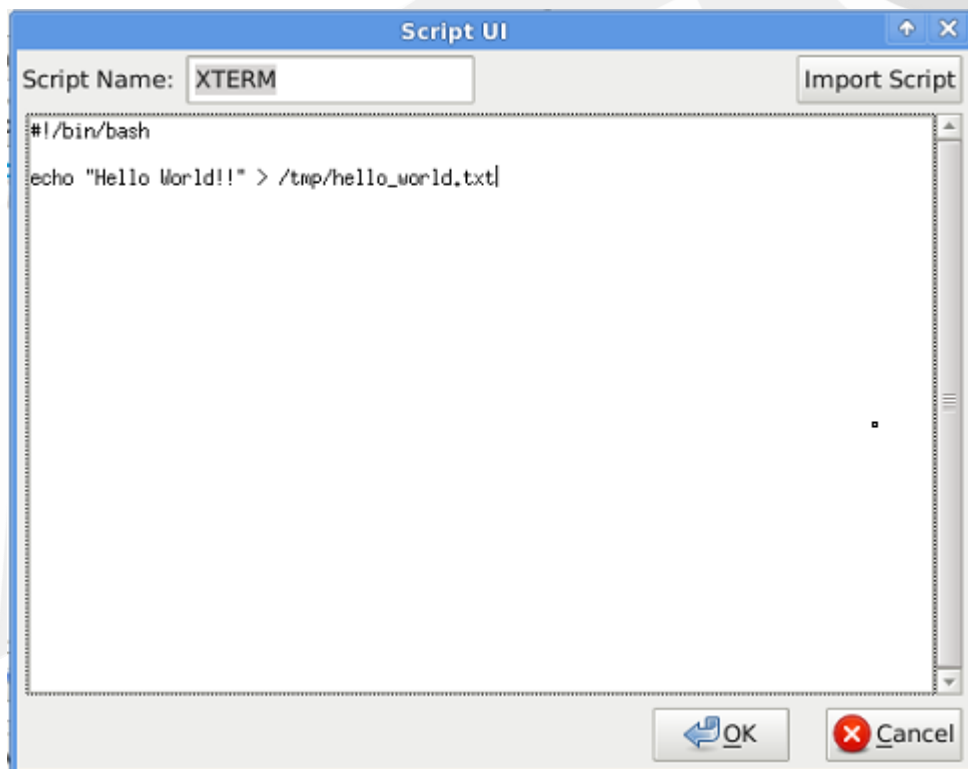
Shell Script Editor

Please perform the following steps to create a *Shell Script Editor* configuration:

1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *Shell Script Editor* from the drop down list and click *OK* button to lunch.



3. Input the script name and this name will be used for the display name in the *Connections* and *Configure* tab pages.
4. Click *Import Script* button to select a script file or you can write the script in script editor directly.

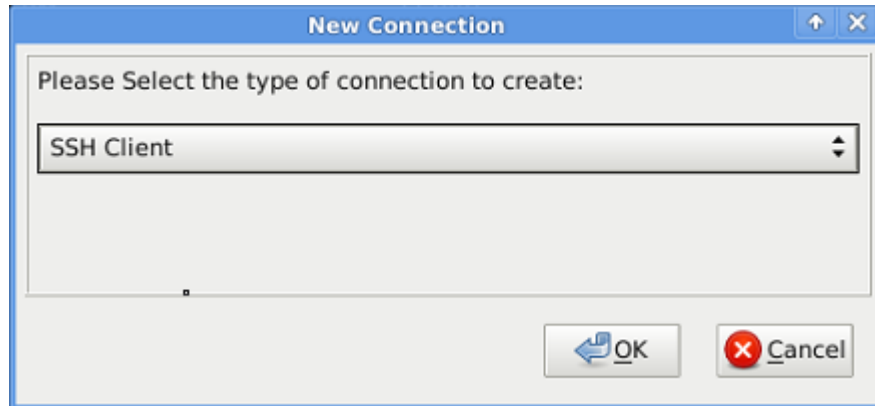


5. Click *OK* button to finish the process.

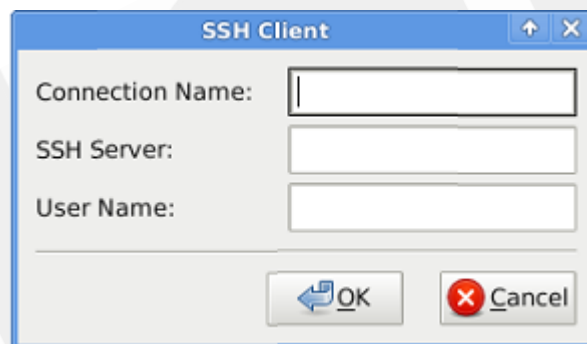
SSH Client

Please perform the following steps to create a *SSH Client* configuration:

1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *SSH Client* from the drop down list and click *OK* button to lunch.



3. Input *Connection Name* and this name will be used for the display name in the *Connections* and *Configure* tab pages.
4. Input *SSH Server* name or IP address.
5. Input *User Name*.

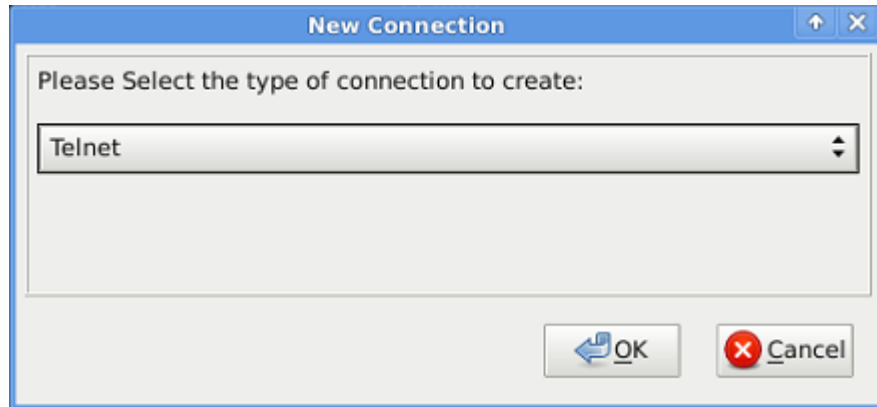


6. Click *OK* button to finish the process.

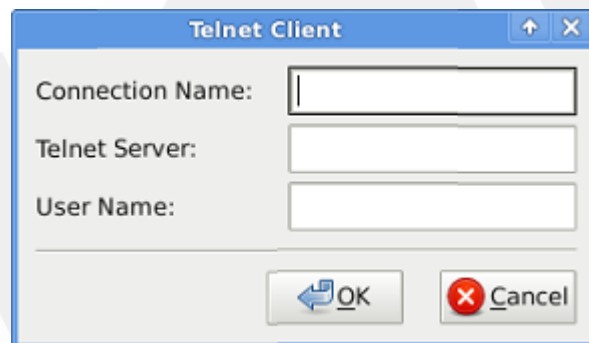
Telnet

Please perform the following steps to create a *Telnet* configuration:

1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *Telnet* from the drop down list and click *OK* button to lunch.



3. Input *Connection Name* and this name will be used for the display name in the *Connections* and *Configure* tab pages.
4. Input *Telnet Server* name or IP address.
5. Input *User Name*.

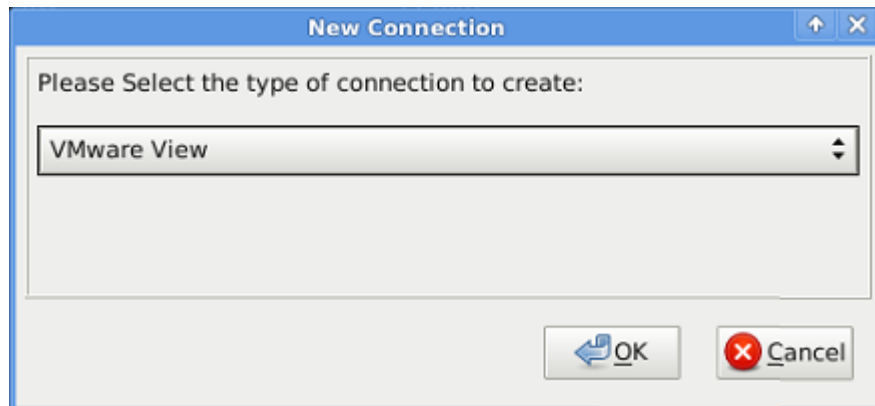


6. Click *OK* button to finish the process.

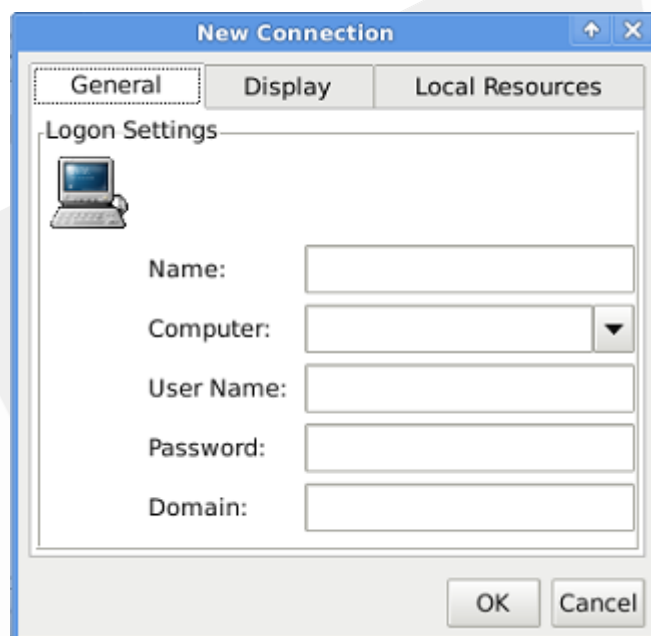
VMware View

Please perform the following steps to create a *VMware View* configuration:

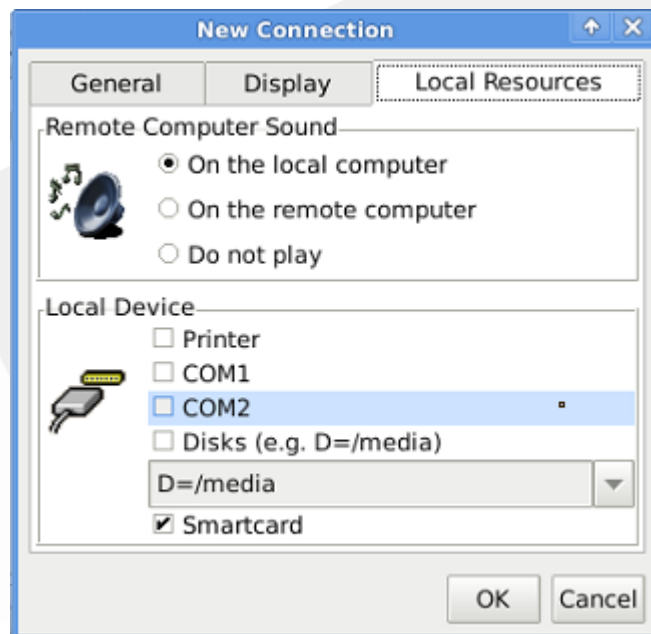
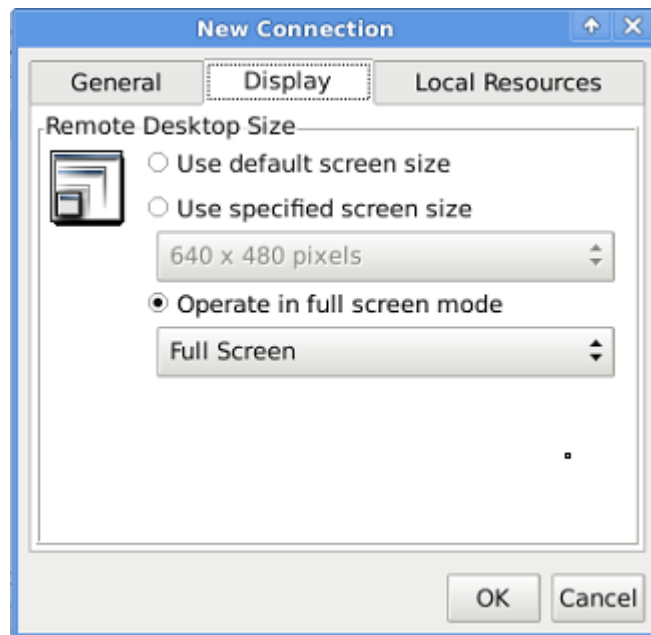
1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *VMware View* from the drop down list and click *OK* button to lunch.



3. Input logon settings in *General* tab. The *Name* textbox will be used for the display name in the *Connections* and *Configure* tab pages.



4. Determine what *Remote Desktop Size* is preferred and which local device would be connected to remote computer in *Local Resources* tab.

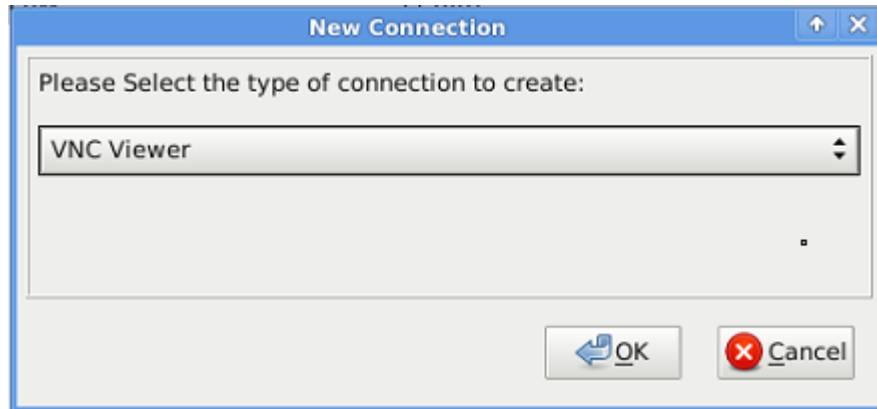


5. Click OK button to finish the process.

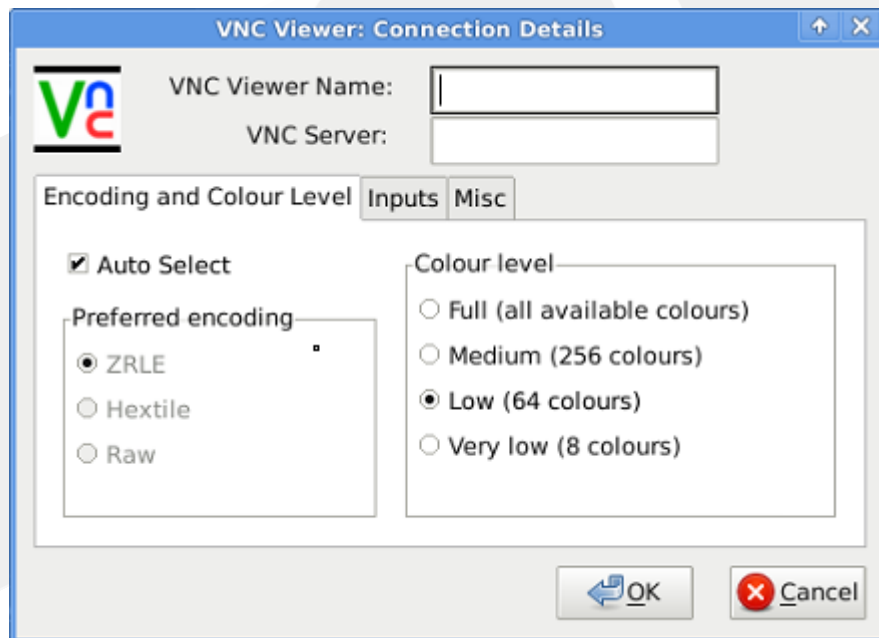
VNC Viewer

Please perform the following steps to create a VNC Viewer configuration:

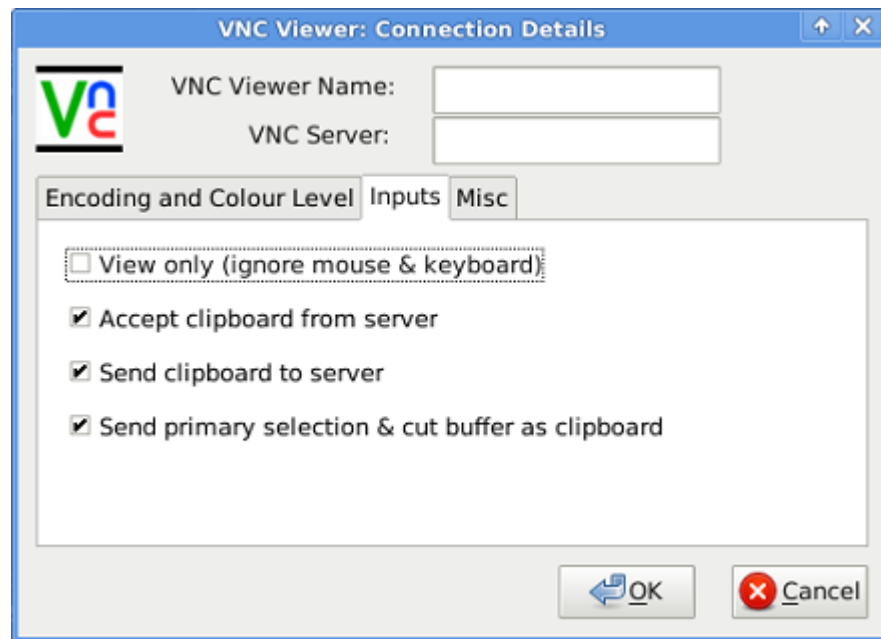
1. Click *Add* button in *Configure* tab to open the *New Connection* window.
2. Select *VNC Viewer* from the drop down list and click *OK* button to lunch.



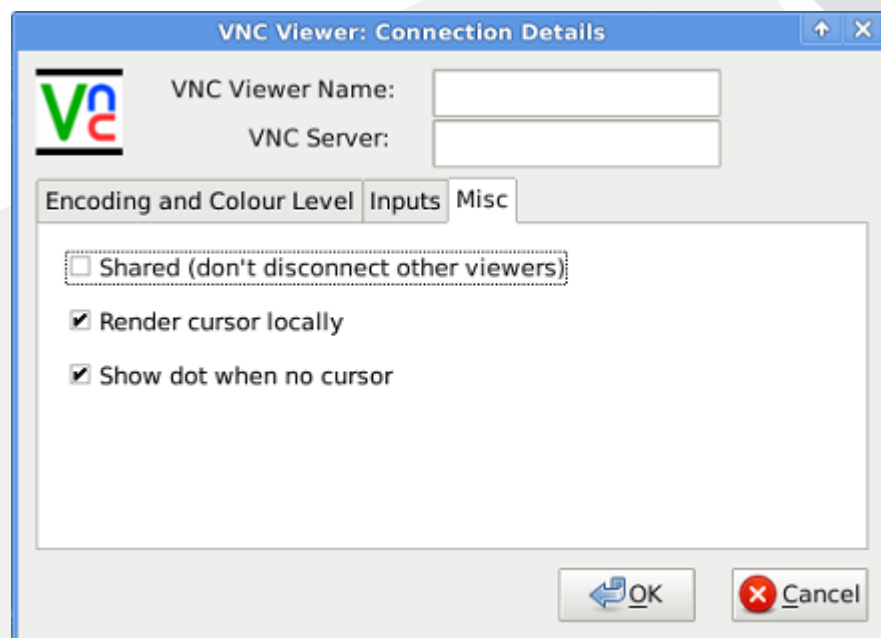
3. Input *VNC Viewer Name* and this name will be used for the display name in in the *Connections* and *Configure* tab pages.
4. Input *VNC Server* name or IP address.
5. Choose preferred *Encoding and Colour Level*. The default values should work on most of cases.



6. Check *Inputs* options.



7. Check miscellaneous options in *Misc* tab.

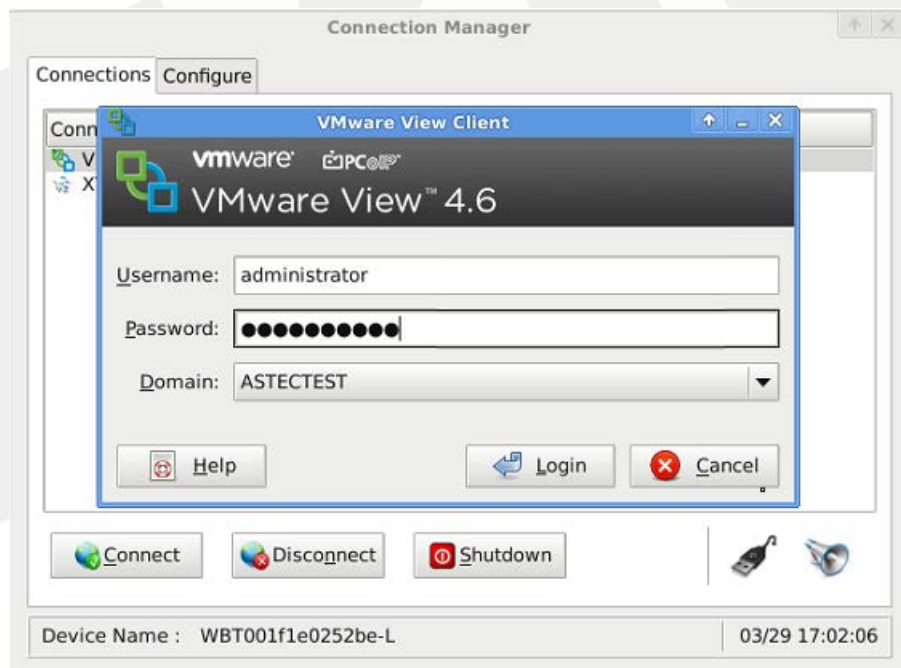
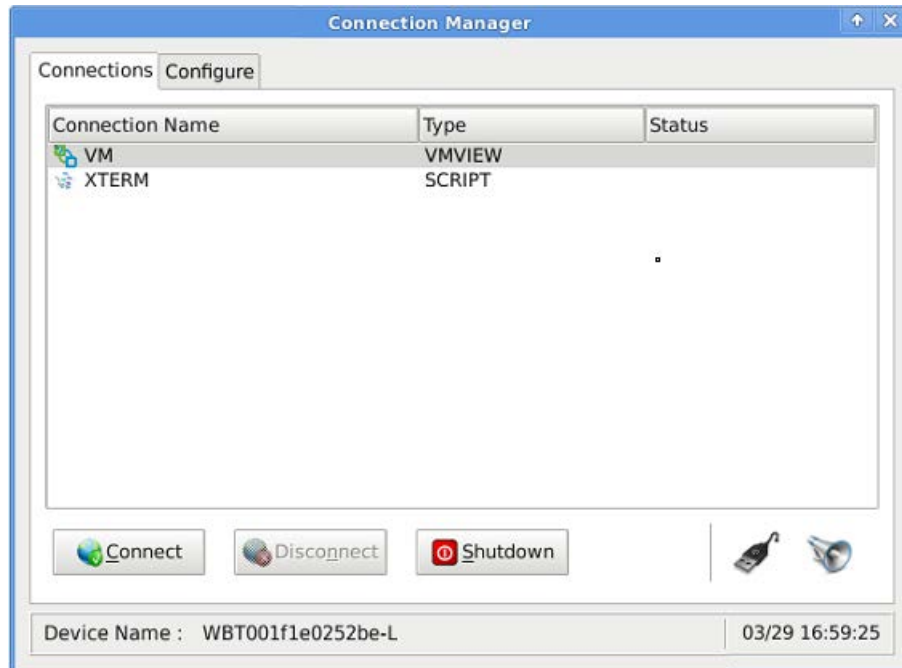


8. Click OK button to finish the process.

To Make A Connection

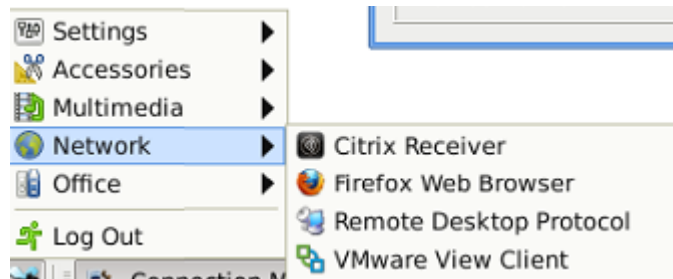
Using Connection Manager

Now that you have configured desired 3rd party connection agent, you can launch it by selecting from the list and click on *Connect* button. Here we use the *VM* seen in the below screen shot for an example.

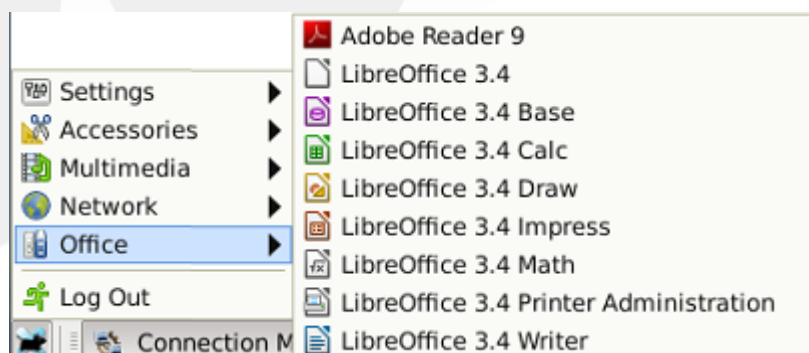
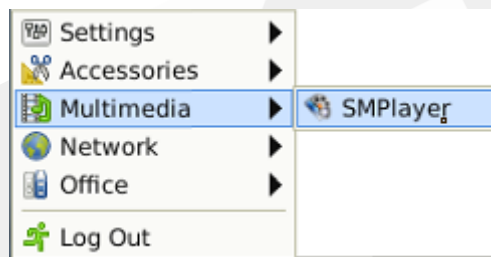
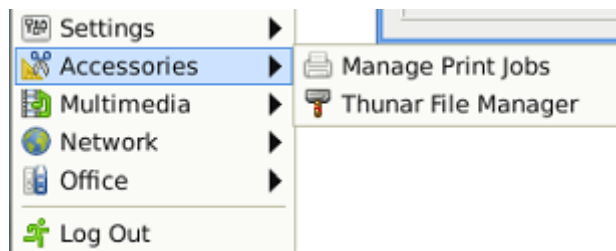


From the Start Menu

A few most popular 3rd party connection agents are pre-assigned to under the Network submenu. You can launch them from clicking on the submenu as shown below.

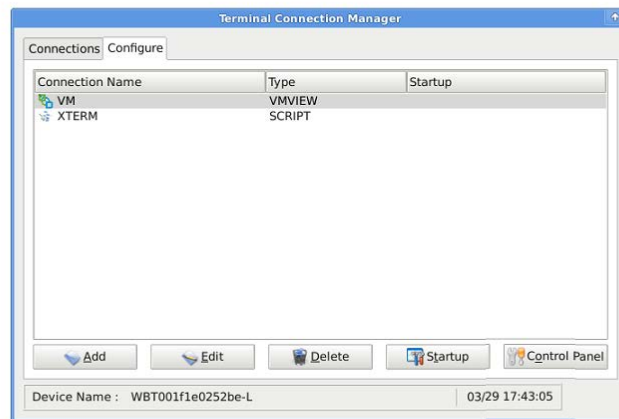


Other Applications



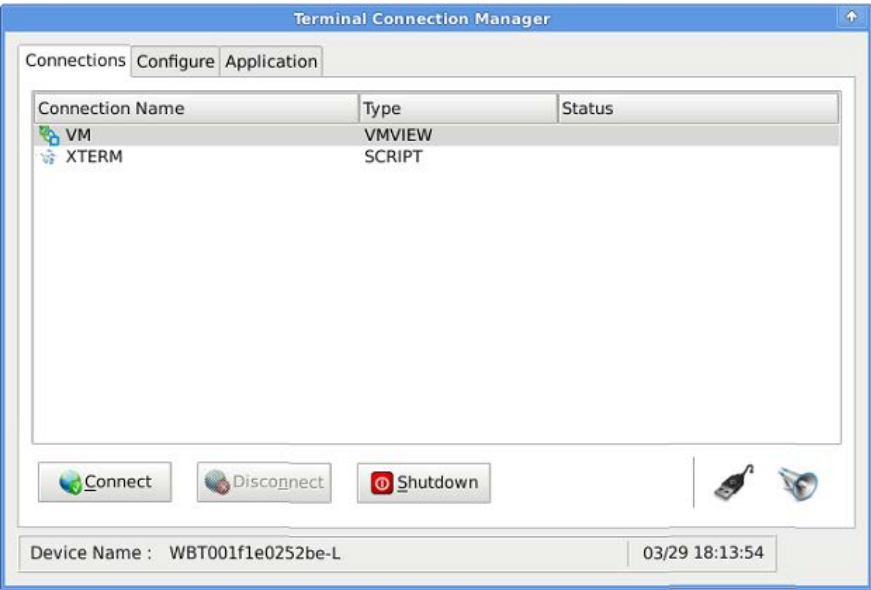
WBT Shell Mode

The Window Based Terminal mode only has the *Terminal Connection Manager* running when system boots up. There are two tabs by default; the *Connections* and *Configure*. A third tab *Application* can be added to this window by disabling the option *Hide Connection Application Tab* in the *Advanced* property within *Control Panel*. The WBT mode is designed to restrict user's access to the system for special purposes. We recommend for general purposes of thin client operation, use the default *Windows Desktop Shell*.



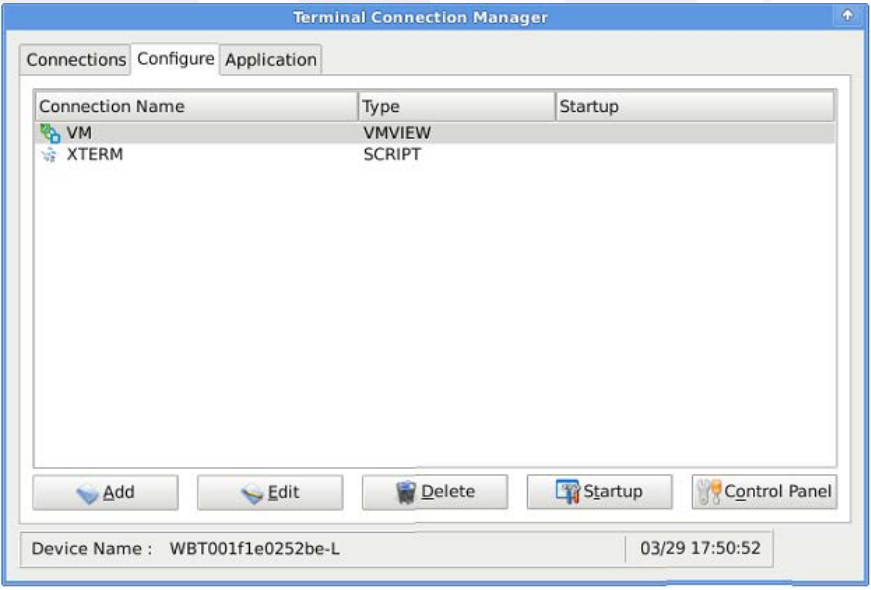
Connections Tab

The Connections Tab lists all your configured connections, including connection name, type and status. It also helps you establish your terminal’s connection sessions. Multiple connections can be established at the same time.



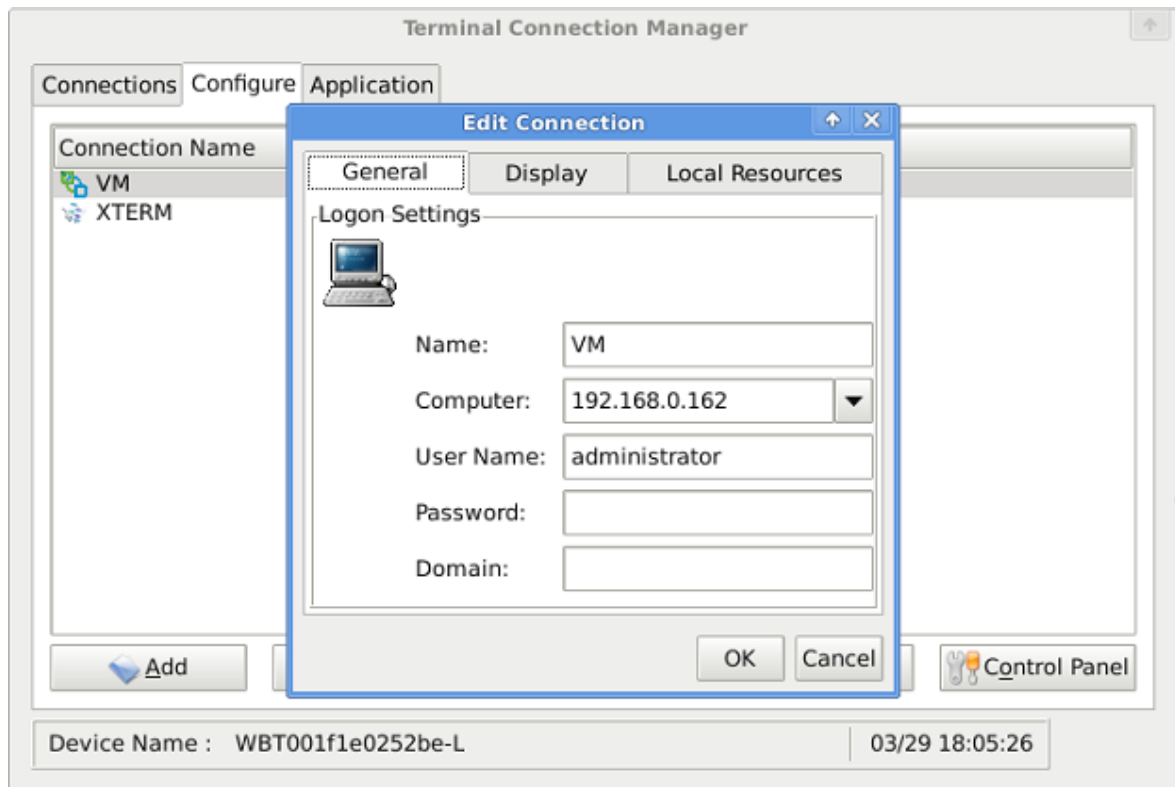
Configure Tab

The *Configure* tab lists all your connections’ information, includes connection names, types and startup status. You can click *Add* button to create a new connection or click *Edit*, *Delete* or *Startup* button to manage current configurations. The *Control Panel* button launches the system basic settings dialog which we have discussed in details in the **Control Panel** section of this document. Since we have covered most of what the *Add* button does in the previous section, here we will focus on *Edit*, *Delete* and *Startup* buttons.



Edit a Connection

Select a connection name and click *Edit* button. The edit dialog box is shown up. You can modify previous settings then click *OK* button to apply or *Cancel* button to abort changes.



Delete a Connection

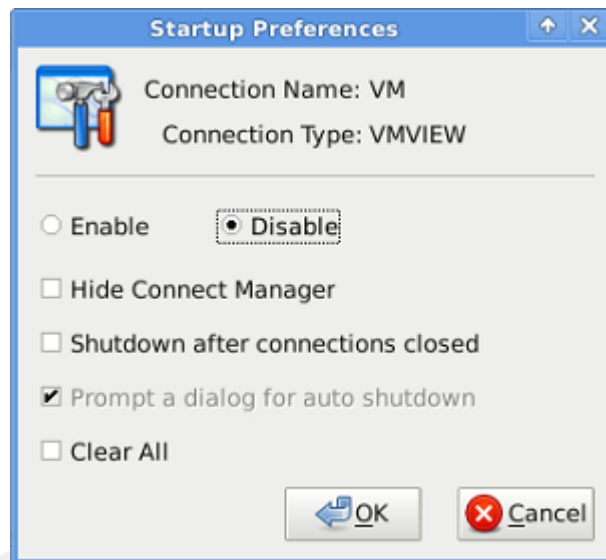
Select a connection name and click *Delete* button. The selected item will immediately be deleted.

Startup

You can enable the selected connection to start up automatically when the terminal boots on.

The extend options after you enabled the connection automatically startup, you can:

1. *Hide the Connection Manager:* This will prevent the user to add new connections.
2. *Shutdown after connections closed:* This restricts user from using other applications.
Prompt a dialog for auto shutdown: Allows user to cancel the shutdown process.
3. *Clear All:* Clears the startup settings for the marked connection.



Application Tab

The Application Tab lists pre-installed software that support Microsoft® Office™ compatible document processing.

- Libre Office Suite:

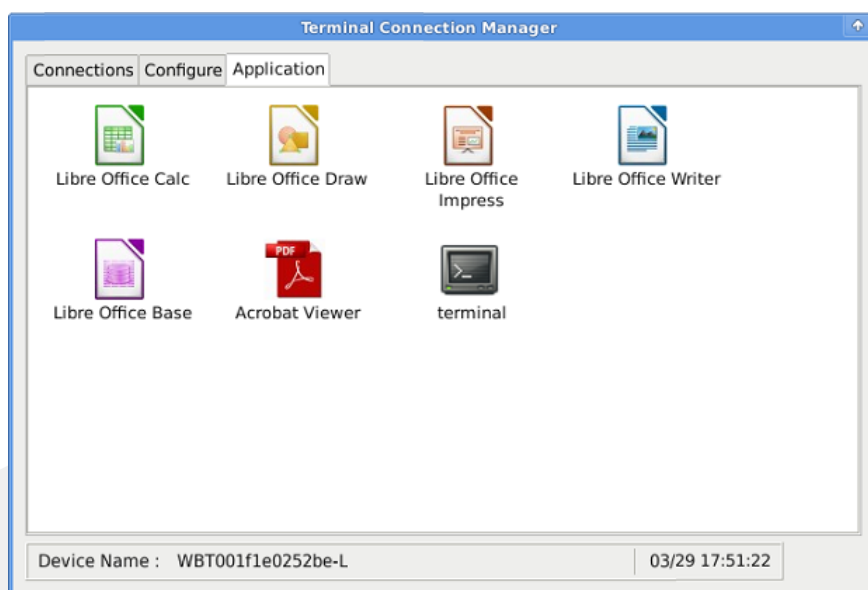
The leading open-source office software suite for word processing, spreadsheets, presentations and graphics are compatible with MS OFFICE and all other major office suites.

- Acrobat Viewer:

Common PDF document reader.

- Xterm terminal:

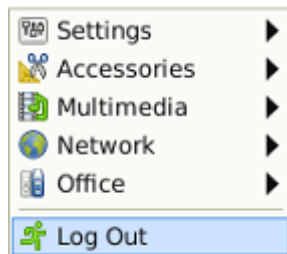
Xterm is the standard terminal emulator for the X Window System enables you to execute basic commands with your current privileges.



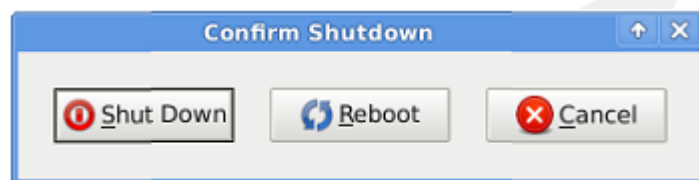
Shutdown Terminal

In Desktop Shell Mode

Click *Logout* from the Start menu and a warning message will popup. Click *OK* button to reboot the terminal or Click *Cancel* button to return to *Desktop Shell Mode*.



Click *Shutdown* to power-off the system. Click *Reboot* button to reboot or *Cancel* button to return to Desktop Shell Mode.



In WBT Shell Mode

Click *Shutdown* button from *Connections* Tab of *Terminal Connection Manager*, a confirm dialog will popup. Click *Shut Down* button to shutdown the terminal. Click *Reboot* to reboot the terminal, or click *Cancel* button to return to WBT Shell Mode.

