# **Getting Started with Telnet**

From the Telnet application window, two main Telnet functions can be accessed:

- Establishing Telnet Sessions Establishing and managing Telnet sessions involves logging in to one or more devices and configuring the devices via supported CLI commands. Note that OmniVista Telnet also supports SSHv2 enhanced Telnet encryption.
- Telnet Scripting Creating Telnet Scripting files involves manually creating a text-based script file within OmniVista and then configuring one or more devices by applying the file via Telnet. Users can also import existing text-based script files and create a template script.

### **Establishing a Telnet Session**

To establish a basic Telnet session with a device, begin by clicking open the **Switches** directory in the Navigation Tree. One or more **Subnet** directories displays in the Tree. Click open the applicable **Subnet** directory, then single-click on the icon or IP address of the desired device. A Telnet session for the device launches automatically.

To establish a basic Telnet session in a *new window*, right-click a device's icon or IP address in the Tree and select **New Window** -> **Telnet**. A new instance of OmniVista is opened and a Telnet session to the corresponding device is launched.

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**Note:** If SSH has been configured as the preferred encryption type, the term **SSH** will be used in the place of **Telnet** in OmniVista's pop-up menus, application buttons, etc.

If Automatic Login has not been configured for the device, enter the login ID and password for the device in the Telnet window. If Automatic Login has been configured, OmniVista will enter the login ID and password automatically.

After login is complete, the CLI command prompt displays. A successful Telnet session has been established and the device is now ready to be managed and/or configured via the CLI.

### Launching Telnet Sessions Using the Pull-Down Navigation Menu

Telnet sessions can also be launched from the pull-down menu located at the top of the main Telnet window. However, be sure that a particular subnet has first been selected in the Navigation Tree. When a subnet is selected, the pulldown menu lists all discovered devices in that subnet. Simply scroll and click to select a device from the menu; a Telnet session for the device launches automatically.

✓ Telnet sessions can also be launched by selecting devices from this pulldown menu. Be sure that a subnet directory has been highlighted in the Navigation Tree, then scroll and click to select a device. The session launches automatically.

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**Note:** Unlike the Navigation Tree, the pull-down navigation menu does not show additional status information, such as a device's type or whether it is reachable.

## **Managing Multiple Telnet Sessions**

Multiple sessions can be launched and managed within the same instance of the Telnet application. To establish multiple Telnet sessions, simply select multiple devices, one at a time, from the Navigation Tree. A new tab displays for each session, with each tab indicating the IP address for its corresponding session.



To access a particular Telnet session, click on the tab showing the device's IP address. The corresponding Telnet window displays.

**Note:** Multiple Telnet sessions can also be launched from the pull-down menu located at the top of the OmniVista window. Scroll and click to select devices from the pull-down menu; a Telnet session for each device launches automatically and a new tab for each session displays.

# **Closing Telnet Sessions**

To close a Telnet session, click the **Disconnect** button at the bottom of the Telnet window or type **exit** at the command prompt.

If multiple sessions are being managed, clicking the **Close Tab** button disconnects a session and also closes its corresponding tab. (Note that the **Close Tab** button is not available if only one Telnet session is open.)

### **Reestablishing Closed Sessions**

When a session has been disconnected, it can be quickly reconnected by clicking the **Telnet** button at the bottom of the Telnet window. If multiple sessions are being managed, be sure that the tab for the desired device is selected before clicking the **Telnet** button. Otherwise, sessions can be reestablished by following the steps described in the "Establishing a Telnet Session" and "Managing Multiple Telnet Sessions" sections.

## **Returning to the Main Telnet Window**

To return to the main Telnet window (i.e., the window displayed when the Telnet application was first launched), single-click the **Switches** directory in the Navigation Tree. The main Telnet window, showing the **Create Scripts**, **Send Script**, and **View Logs** tabs displays.

# **Using Telnet Scripting**

A Telnet script file is a text-based file used to configure one or more devices through OmniVista's Telnet Scripting feature. Telnet scripting is especially useful in applying batch updates or common configurations across multiple devices. A script file must contain only CLI commands supported on AOS switches. When a script file is applied, each CLI command in the file is sent to the device via Telnet.

**Important Note:** Before attempting to apply a script, OmniVista must know the user name and password for each device being configured. Use Auto-Login to specify the login information.

Users are not required to create script files using a third-party text editor. OmniVista provides a text box where CLI commands can be manually entered from the Telnet application. During the Telnet Scripting steps, these commands are saved to a script file (which can be accessed for reference or future applications).

### **Creating Script Files**

To create a script, click the **New** button. Enter a descriptive file name in the **Enter Filename** text field. For example, **new\_vlan\_config1**. (The file extension **.script** will be added automatically when the script file is saved.)

Next, press the **Tab** key or select the **Enter Scripts** text box. Enter the CLI commands to be applied to the switch via this script. Be sure that all commands entered are AOS-compatible CLI commands; also, enter only one CLI command per line.

**Important Note:** Operational commands that automatically issue a confirmation prompt and require the user to type a response (like Y or N) are not supported in CLI script files. Examples include **takeover**, **reload**, **fsck**, etc. Do not attempt to include these command types in the script file. Instead, manually issue them via the standard CLI command line prompt. These operations can also be issued on a device-by-device basis via WebView or OmniVista.

Verify that the syntax of all commands is correct before proceeding. When finished, click the Save button.

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testnet-gw		
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Click Save when finished.

### **Template Scripts**

When the script is sent, the CLI commands in the script file are displayed in the Scripts Content window. If the script is a "template" script, a pop-up is displayed to allow the user to specify values for variables.

🖉 Set User Defined Scripting Variables	×
Variable Name (prefix with \$)	Variable Value
\$VLAN-ID	
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Variable Value:	

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A "template" script is a script that contains special non-CLI syntax and keywords that represent OmniVista built-in variables or user defined variables. The variables in the template must be prefixed with '\$' to show they are variables. The built-in variables are:

- **\$IP ADDRESS -** replaced automatically with target switch IP address. •
- **\$BOOT DIR** replaced automatically with target boot directory (ex: working). •
- **\$BASE MAC** replaced automatically with target base MAC address. ٠
- **\$CHASSIS TYPE -** replaced automatically with target chassis type. •
- **\$SYSTEM OID** - replaced automatically with target unique object ID.

- **\$LOGIN\_ID** replaced automatically with target FTP/Telnet login ID.
- **\$LOGIN\_PWD** replaced automatically with target FTP/Telnet login password.
- **\$READ PWD** replaced automatically with target community string for SNMP reading.
- **SWRITE PWD** replaced automatically with target community string for SNMP writing.

You must specify the variable names exactly as they are in the template script - upper and lower case must match. For example, if a variable in the script is "\$MixedCaseVAR", then the user must specify it the same way when adding this parameter to a 'Send Session'.

To create variables in a "template" script:

1. Click on the variable name. The fields for entering the value will be enabled.

2. Enter the value for the variable in Variable Value field.

3. Click Set Value. The value will be displayed in the Variable Value column.

4. Click Send.

### **Importing Existing Script Files**

Although OmniVista allows users to manually create script files within the Telnet application, existing script files can also be imported. In other words, a file containing a set of CLI commands can be accessed from a server or local drive and then applied to one or more devices. This allows users to maintain a library of network configurations and then apply them to devices in their network as needed.

Before importing a file to one or more devices, consider the following important guidelines:

- Any script file being imported must be text-based (ASCII).
- Although file extensions such as .txt and .ascii are supported, the file extension .script is recommended.
- All CLI commands contained in the file must be AOS-supported. Also, operational commands that automatically issue a confirmation prompt and require the user to type a response (like Y or N) are not supported in CLI script files. Examples include **takeover**, **reload**, **fsck**, etc.
- CLI commands must also be entered into the text file *one command per line*.
- Only one script file can be imported at a time.

To import a script file, click the **Import** button at the bottom of the main Telnet window. The **Import Scripting File** dialog box displays. Use the dialog box's **Look In** pull-down menu to locate the file being imported.

**Note:** If you are browsing for a file with an extension other than **.script**, be sure to select **Files of Type -> All Files** in the dialog box, as shown:

		When browsing for a file with an extension other than .script (e.g., .txt), be sure All Files is selected from the Files of Type menu.
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Once the script file has been located, select the file in the dialog box window; the file name displays in the **File Name** text field. Click the **Import** button.

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		Click the Import button.

**Important Note:** The script import procedure is *not* complete at this point. You must click on the **Send Script** tab in the main Telnet window and follow the remaining steps in order to send the script file to the device(s).

# **Editing Script Files**

To edit a script file, select the file from the **Filename** list, then click **Edit**. The **Enter Scripts** text box (which was previously grayed out) becomes active. The CLI commands contained in the selected script file can now be deleted, modified, or appended. When the changes are complete, click the **Save** button.

**Important Note:** When the changes are saved, the previous contents of the script file are overwritten. To preserve the original contents of the file, be sure to make a backup copy before editing.

# **Deleting Script Files**

To delete a script file, select the file from the Filename list, then click Delete.

**Note:** When a file is deleted, it is permanently removed from the **scripting\_files** directory. Once a script file is deleted, it cannot be recovered.

Click Yes in the Warning dialog box.



### **Deleting Multiple Script Files**

Multiple log files can be deleted at once. To delete multiple script files, simply Control-click or Shift-click all applicable files in the list before clicking **Delete**. Remember, however, that once the files have been deleted, they cannot be recovered.

# **Using the OmniVista Telnet Application**

OmniVista's Telnet application provides a feature set well beyond that of standard Telnet session support. Features include:

- Telnet support
- Automatic login for one or more devices
- Multiple Telnet session management
- Telnet Script file support for one or more AOS devices
- Secure Shell (SSHv2) support.

# **Opening the Telnet Application**

There are two different ways to open the Telnet application. Telnet can either be accessed from OmniVista's Task Bar, or from within another open OmniVista application, such as Topology, VLANs, etc.

When the Task Bar is used, the main Telnet window is displayed. Sessions are not automatically launched; instead, the user can choose a particular Telnet feature (e.g., Telnet Scripting) and launch sessions to one or more devices as needed.

When Telnet is accessed from another open OmniVista application, a Telnet session with the selected device launches automatically.

### **Opening Telnet from the Task Bar**

To open the Telnet application from the Task Bar, click the **Configuration** group button. Click the **Telnet** button (scrolling may be required to access the Telnet button). The Telnet application loads.



The main Telnet window allows users to access the two main Telnet functions:

- Establishing and Managing Telnet Sessions
- Creating or Importing Telnet Scripting Files

For more information on these functions, refer to the Getting Started with Telnet section.

### **Opening Telnet from Other Applications**

Telnet sessions can also be launched from other OmniVista applications by right-clicking devices in the Navigation tree. For example, from the VLANs application, right-click on a device listed in the tree and select **Current Window -> Telnet** or **New Window -> Telnet** from the popup menu. Telnet will be opened directly from VLANs and a session to the selected device will launch.

Note that launching a Telnet session in a new window allows users to preserve the current view in an open OmniVista application. So, for example, if a user is viewing detailed configuration information using the VLANs application and a Telnet session is needed for a quick configuration change, launching the session in a new window may be preferred.

# **Navigating Telnet**

The screen below shows key navigation components of the Telnet application. The left side of the main Telnet window lists all discovered devices. To establish a telnet session, expand the tree and select a device. The tabs on the right side of the screen are used to configure, apply, and view telnet scripts.

- Create Scripts A Telnet script file is a text-based file used to configure one or more devices through OmniVista's Telnet scripting feature. You can create new telnet scripts or import existing scripts.
- Send Scripts Once you have created a script, you must send that script to a device or devices.
- View Logs Log files are created when you send a script to a device or devices. You can view the log file by clicking on the View Logs tab and selecting the file.

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## **Establishing a Basic Telnet Session**

To establish a basic Telnet session with a device, begin by clicking the **Switches** directory in the Navigation tree. One or more **Subnet** directories are displayed in the tree. Click the applicable **Subnet** directory, and then single-click the icon or IP address of the desired device. A Telnet session for the device launches automatically.

To establish a basic Telnet session in a *new window*, right-click a device's icon or IP address in the tree and select **New Window** -> **Telnet**. A new instance of OmniVista is opened and a Telnet session to the corresponding device is launched.

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**Note:** If SSH has been configured as the preferred encryption type, the term **SSH** will be used in the place of **Telnet** in OmniVista's pop-up menus, application buttons, etc. For detailed information on setting SSH as the preferred encryption type for one or more devices, click here.

If Automatic Login has not been configured for the device, enter the login ID and password for the device in the Telnet window. If Automatic Login has been configured, OmniVista will enter the login ID and password automatically.

After login is complete, the CLI command prompt is displayed. A successful Telnet session has been established and the device is now ready to be managed and/or configured via the CLI.

### Launching Telnet Sessions Using the Pull-Down Navigation Menu

Telnet sessions can also be launched from the pull-down menu located at the top of the main Telnet window. However, be sure that a particular subnet has first been selected in the Navigation tree. When a subnet is selected, the pull-down menu lists all discovered devices in that subnet. Simply scroll and click to select a device from the menu; a Telnet session for the device launches automatically.

/ Telnet sessions can also be launched by selecting devices

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**Note:** Unlike the Navigation tree, the pull-down navigation menu does not show additional status information, such as a device's type or whether it is reachable.

## **Managing Multiple Telnet Sessions**

Multiple sessions can be launched and managed within the same instance of the Telnet application. To establish multiple Telnet sessions, simply select multiple devices, one at a time, from the Navigation tree. A new tab is displayed for each session, with each tab indicating the IP address for its corresponding session.



To access a particular Telnet session, click the tab showing the device's IP address. The corresponding Telnet window is displayed.

**Note:** Multiple Telnet sessions can be launched from the pulldown menu located at the top of the OmniVista window also. Scroll and click to select devices from the pulldown menu; a Telnet session for each device launches automatically and a new tab for each session is displayed.

## **Closing Telnet Sessions**

To close a Telnet session, click the **Disconnect** button at the bottom of the Telnet window or type **exit** at the command prompt.

If multiple sessions are being managed, clicking the **Close Tab** button disconnects a session and also closes its corresponding tab. (Note that the **Close Tab** button is not available if only one Telnet session is open.)

### **Reestablishing Closed Sessions**

When a session has been disconnected, it can be quickly reconnected by clicking the **Telnet** button at the bottom of the Telnet window. If multiple sessions are being managed, be sure that the tab for the desired device is selected before clicking the **Telnet** button. Otherwise, sessions can be reestablished by following the steps described in the "Establishing a Basic Telnet Session" and "Managing Multiple Telnet Sessions" sections.

# **Configuring Automatic Login**

Automatic Login (also referred to as Auto-Login) allows users to pre-configure the user ID and password for one or more devices. This allows OmniVista to automatically log into a device whenever a Telnet session is launched. In other words, the user is not required to type the user ID or password when the Telnet session reaches the login prompt. Instead, the information is entered automatically and the cursor is moved directly to the command prompt.

**Important Note:** Auto-Login is required whenever applying scripts and importing scripts to a device. If Auto-login is not pre-configured for the device, a login error will result.

The Auto-Login feature can be configured on a device-by-device basis, or for multiple devices at once. Note that when Auto-Login is configured, the changes are only applied to OmniVista's Telnet login preferences. Login settings on the device itself are not affected.

### **Configuring Automatic Login for a Single Device**

To configure Auto-Login for a single device, right-click the device in the Telnet navigation tree and select **Edit** from the popup menu that displays.

OmniVista 2500 - Application:	Telnet Window:0	2
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10.1 New Window	bimageclean.script	Dec 14, 2005 11:09:47 AM
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- 10.2 Edit	rantined.script	Dec 14, 2005 11:09:47 AM
- 🖬 10.255.77.78	b_config_snapshot.script	Dec 14, 2005 11:09:47 AM
- 🗑 10.255.11.111	show_switch.script	Dec 14, 2005 11:09:47 AM
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- 10.255.11.148	New Edit Delete	Save Import Cancel Help
10 255 11 151		

The **Edit-Discovery-Manager-entry** dialog box is displayed. Enter the user ID and password for the device in the **Telnet/FTP User Name** and **Telnet/FTP Password** text fields. If SSH (Secure Shell) is the preferred Telnet encryption type, click the **Prefer SSH** checkbox. (When this box is checked, future Telnet sessions for this device will use SSH.) Click the **Allow Port Disabling** checkbox to enable port disabling for a device. By default, all devices prohibit port disabling. When finished, click the **OK** button.

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n Edit Discovery Manager	Entry			2	<b>c</b>	
General SNMP Setting	s					
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**Note:** For information on verifying Auto-Login for one or more devices, refer to the Verifying Automatic Login section.

### **Configuring Automatic Login for Multiple Devices**

Auto-Login for multiple devices is configured through OmniVista's Topology application. Topology allows users to select multiple devices from a list and, in one step, specify the user ID and password to be used for future Telnet sessions. SSH (Secure Shell) can also be set as the default Telnet encryption for all selected devices.

To set up Auto-Login for multiple devices, start by opening the Topology application. (Topology can be accessed via the Task Bar by clicking the **Configuration** group button and then the **Topology** application button.)

When Topology launches, a list of all discovered devices is displayed. Using Control-click or Shift-click, select the devices from the list. Right-click any of the selected devices. A popup menu is displayed. Select **Edit** from the menu.

Name         Address         DNS Name         Type         Version         Backup Date         B:           kite_59         10.255.11.59         056800-48         6.1.2.88.R01         •         •           kite_60         10.255.11.59         056800-48         6.1.2.87.R01         •         •           wtTarget         10.255.11.69         056800-48         6.1.2.87.R01         •         •           wtTarget         Version         056800-24         6.1.2.115.R01         •         •           wtTarget         New Window         •         056800-24         6.1.3.30.R01         •           wtTarget         New Window         •         056800-24         6.1.1.631.R01         •           NMS_HAWK         Ping Node         056800-48         6.1.1.632.R01         •         •           NMS_HAWK         Poll Node         0mil3R-9         4.5.1         •         •           non-name         Configure Traps         056800-48         6.1.2.104.R01         •         •           non-name-11         Save to Working         0mil3R-5         4.5.2         •         •           non-name         Febiot         •         0mil3R-5         4.5.3.65         •         • <th>Manual Links         Name         Address         DNS Name         Type         Version         Backup Date         B:           Maps         Subnets         Maps         0.255.11.59         0.58800-48         6.1.2.88.R01         •           Subnets         Switchesi         Marget         0.058800-48         6.1.2.37.R01         •           Switchesi         Mays         0.58800-48         6.1.2.37.R01         •         •           Marget         New Window         •         0.56800-24         6.1.3.30.R01         •           Marget         Nins_HAWK         Ping Node         0.58600-48         6.1.1.601.R01         •           Marget         Nins_HAWK         Poll Node         0.58600-48         6.1.1.502.R01         •           Marget         Poll for Traps         0.58600-48         6.1.1.502.R01         •         •           Marget         Poll for Traps         0.58600-48         6.1.1.601.R01         •         •           Marget         Poll for Traps         0.58600-24         6.1.1.162.R01         •         •           Marget         Poll for Traps         0.58600-24         6.1.1.8.R02         •         •           Marget         Virarget         Oses00-24</th> <th>p Date B:</th>	Manual Links         Name         Address         DNS Name         Type         Version         Backup Date         B:           Maps         Subnets         Maps         0.255.11.59         0.58800-48         6.1.2.88.R01         •           Subnets         Switchesi         Marget         0.058800-48         6.1.2.37.R01         •           Switchesi         Mays         0.58800-48         6.1.2.37.R01         •         •           Marget         New Window         •         0.56800-24         6.1.3.30.R01         •           Marget         Nins_HAWK         Ping Node         0.58600-48         6.1.1.601.R01         •           Marget         Nins_HAWK         Poll Node         0.58600-48         6.1.1.502.R01         •           Marget         Poll for Traps         0.58600-48         6.1.1.502.R01         •         •           Marget         Poll for Traps         0.58600-48         6.1.1.601.R01         •         •           Marget         Poll for Traps         0.58600-24         6.1.1.162.R01         •         •           Marget         Poll for Traps         0.58600-24         6.1.1.8.R02         •         •           Marget         Virarget         Oses00-24	p Date B:
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WW_FUUI1_1         Mib Browser         OS9700         6.1.1.631.R01           BS0001s         0S7800         5.1.6.125.R02           WW_FUUI2_1         WebPage         OS9800         6.1.1.612.R01           ES00014.1         Edit         OS8668.5         5.1.6.10.R03	A Demonstration	•
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WW_FUUI1_1         Mib Browser         0S9700         6.1.1.631.R01           BS0001s         0S7800         5.1.6.125.R02           WW_FUUI2_1         WebPage         0S9800         6.1.1.612.R01           Escond14_1         Edit         0S6648         6.1.6.19.R03           Removes         Hole         Full         Full	Hole	
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internety internet internet	BS0001s         Milb Browser         OS7800         5.1.6.125.R02           WW FUU2         WebPage         OS9800         6.1.1.612.R01           WES00014.1         Edit         OS6648         5.1.6.19.R03	
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USS_Blue_f Copy Working To Certified 0\$6648 5.1.5.133.R04 NMS_125 Inventory 0\$6300-24 2.2.0.10	4 Bemoves	

Control-click or Shift-click to select multiple devices from the list of discovered devices in the main Topology window.

The Edit Discovery Manager Entry dialog box is displayed. Enter the user ID and password for the selected devices in the Telnet/FTP User Name and Telnet/FTP Password text fields. If SSH (Secure Shell) is the preferred Telnet encryption type, click the Prefer SSH checkbox . (By default, future Telnet sessions for the selected devices will use SSH.) Click the Allow Port Disabling checkbox to enable port disabling for the selected devices. By default, all devices prohibit port disabling. When finished, click the OK button.

	Ente pass of t	er the User Name and word to be used for a he selected devices.	dl	
dit Discovery Manager Entry			×	
General SNMP Settings Name: Telnet/FTP User Name: Tran Station liser Name:	liple values) liple values)	IP Address:		
Trap Station User Name: Can Be Seen By Administrators Default Network Administrators Writers		SNMP Version (multiple values) Links Discovery Handle as an OEM Device Shell Window Prefer SSH		If Secure Shell SSH is the preferred Telnet encryption for these devices, click the <b>Prefer SSH</b> checkbox.
	ОК Са	Allow Port Disabling		To enable port disabling, click the <b>Allow Port Disabling</b> checkbox.

When finished, click OK.

**Note:** For information on verifying Auto-Login for one or more devices, refer to the Verifying Automatic Login section.

### Verifying Automatic Login

Verify the Auto-Login setup by launching a Telnet session to a device where Auto-Login information has been specified. When the session is launched, the user ID and password fields should be populated automatically and the cursor should move directly to the command prompt.



**Note:** If an Auto-Login error occurs (i.e., the Telnet connection times out), be sure that the user ID and password for the device are correct and that the device is reachable. To check whether a device is reachable, right-click the device in the Navigation Tree and select **Ping Node** from the popup menu. The results of the ping are displayed in the Status pane at the bottom of the main OmniVista window.

# **Creating Script Files**

A Telnet script file is a text-based file used to configure one or more devices through OmniVista's Telnet scripting feature. Telnet scripting is especially useful in applying batch updates or common configurations across multiple devices. A script file must contain only CLI commands supported on AOS switches. When a script file is applied, each CLI command in the file is sent to the device via Telnet.

**Important Note:** Before attempting to apply a script, OmniVista must know the user name and password for each device being configured. Use Auto-Login to specify the login information.

Users are not required to create script files using a third-party text editor. OmniVista provides a text box where CLI commands can be manually entered from the Telnet application. During the Telnet Scripting steps, these commands are saved to a script file (which can be accessed for reference or future applications). In addition, a log file containing status and troubleshooting information is generated automatically. Follow the steps below to create a script.

1. Select the Create Scripts tab is selected and then click the New button.

OmniVista 2500 - Applicatio e Edit Applications View	n: Telnet Window:0		
	🙆 🗶 😂 Switches 💌		
Telnet	Create Scripts Send Script View Lo	gs	
Switches		AUUR	
V (10.0.0.08)	Filename	Last Modification Date	
10.255.11.99 10.255.11.103 10.255.11.123 10.255.11.129 10.255.11.132 10.255.11.132	add_SNMP_users.script	Oct 23, 2006 12:06:22 PM	
	clean_flash.script	Oct 23, 2006 12:06:22 PM	
	Ewebimageclean.script	Oct 23, 2006 12:06:22 PM	
	Fwebimageclean.script	Oct 23, 2006 12:06:22 PM	
	install_images.script	Oct 23, 2006 12:06:22 PM	
10,255,11,194	no_Quarantined.script	Oct 23, 2006 12:06:22 PM Oct 23, 2006 12:06:22 PM Oct 23, 2006 12:06:22 PM Oct 23, 2006 12:06:22 PM Oct 23, 2006 12:06:22 PM	
- 10.255.11.196	Quarantined.script		
10,255,11,199	save_config_snapshotscript		
10.255.11.201	show_switch.script		
- 10.255.11.210			
10.255.11.218	Ender Eller	and the second of the second o	
10.255.11.225	Enter Filename:	new_vian_config1	
- 10.255.11.227	Enter Commands:		
10.255.11.228	Man2 router ip 172.2.2.120	-	
10.255.11.229	Vian3 router ip 172.2.2.122		
10.255.11.230	vian 4		
111 255 11 231	1		

Click Save when finished.

**2.** Enter a descriptive file name in the **Enter Filename** text field. For example, **new\_vlan\_config1**. (The file extension **.script** will be added automatically when the script file is saved.)

**3.** Press the **Tab** key or select the **Enter Commands** text box. Enter the CLI commands to be applied to the switch via this script. Be sure that all commands entered are AOS-compatible CLI commands; also, enter only one CLI command per line.

**Important Note:** Operational commands that automatically issue a confirmation prompt and require the user to type a response (like Y or N) are not supported in CLI script files. Examples include **takeover**, **reload**, **fsck**, etc. Do not attempt to include these command types in the script file. Instead, manually issue them via the standard CLI command line prompt. These operations can also be issued on a device-by-device basis via WebView or OmniVista.

**4.** Verify that the syntax of all commands are correct before proceeding. When finished, click the **Save** button.

When the **Save** button is clicked, the script entries are automatically saved to a **.script** file. This file can be especially helpful if you want to save a particular configuration for later use. By default, the file is saved in OmniVista's **scripting\_files** directory on the server or local system. This directory's location may vary, depending on the OmniVista installation, but can generally be found at a path similar to the following:

#### Alcatel OmniVista 2500\data\telnet\scripting\_files

Click on the Send Script tab to send the script to specific switches.

# **Importing Existing Script Files**

Although OmniVista allows users to manually create script files within the Telnet application, existing script files can also be imported. In other words, a file containing a set of CLI commands can be accessed from a server or local drive and then applied to one or more devices. This allows users to maintain a library of network configurations and then apply them to devices in their network as needed.

Before importing a file to one or more devices, consider the following important guidelines:

- Any script file being imported must be text-based (ASCII).
- Although file extensions such as **.txt** and **.ascii** are supported, the file extension **.script** is recommended for browsing purposes.
- All CLI commands contained in the file must be AOS-supported. Also, operational commands that automatically issue a confirmation prompt and require the user to type a response (like Y or N) are not supported in CLI script files. Examples include **takeover**, **reload**, **fsck**, etc. Do not attempt to include these command types in the script file. Instead, manually issue them via the standard CLI command line prompt. These operations can also be issued on a device-by-device basis via WebView or OmniVista.
- CLI commands must also be entered into the text file one command per line.
- Only one script file can be imported at a time.

To import a script file, click the **Import** button at the bottom of the main Telnet window. The **Import Scripting File** dialog box displays. Use the dialog box's **Look In** pulldown menu to locate the file being imported.

Note: If you are browsing for a file with an extension other than .script, be sure to select Files of Type -> All Files in the dialog box, as shown:

	When browsing for a file with an extension other than .script (e.g., .txt), be sure All Files is selected from the Files of Type menu.
🖉 Import Scripti	ng File 🔀
Look in: 📑 d	ata 🗸 🖉 🖬 🛱 🖬 😢 🗄
audit cache databases devices icons lists logs	milscache de teinet     mils topology     openidapdb     properties     quarantine     scheduler     tables
File <u>N</u> ame: Files of <u>Typ</u> e:	Script Files (script)

Once the script file has been located, select the file in the dialog box window; the file name displays in the **File Name** text field. Click the **Import** button.

(	Use the Lo and locate	ok In pulldown menu the script file being	to browse imported.
	Sele	ect the file in the di	alog box window.
🙋 Import Scrip	ting File		×
Look in: 📑	scripting_files	- 6	
Config120	040730.seript		
config120	040730.txt		
notsend.s	cript		
File Name:	config120040730.bt		
Files of Type:	All Files		-
		Import	Cancel

Click the Import button.

**Important Note:** The script import procedure is *not* complete at this point. You must complete the additional steps described below.

To continue the script import procedure, click the **Send Script** tab in the main Telnet window. The script file selected from the **Import Scripting File** dialog box is displayed in the **Filename** column.

Note: If the Filename column does not display, be sure the Send Script tab is selected and, if needed, click the Back button until the column is displayed.

Select the script file in the Filename column and then click the Next button.

083 D 00	🧕 🗶 😂 Switches 🔻			
elnet	Create Scripts Send Script	View Logs		
Concres				8
10.356 11.00	Filename		Last Modification Date	
10.255.11.102	add_SNMP_users.script		Oct 23, 2006 12:06:22 PM	
10.255.11.103	clean_flash.script		Oct 23, 2006 12:06:22 PM	
10.255.11.125	Ewebimageclean.script		Oct 23, 2006 12:06:22 PM	
10.255.11.125	Fwebimageclean.script		Oct 23, 2006 12:06:22 PM	
10.255.11.132	install_images.script		Oct 23, 2006 12:06:22 PM	
10.255.11.151	no_Quarantined.script		Oct 23, 2006 12:06:22 PM	
10.255.11.154	Quarantined.script		Oct 23, 2006 12:06:22 PM	
10.255.11.190	save_config_snapshot.script		Oct 23, 2006 12:06:22 PM	
10.255.11.199	show_switch.script		Oct 23, 2006 12:06:22 PM	
testnet-gw	C Back Next >	Cond Cerint	Schedule Scrint Cancel	Holo

#### Select the script file.

Then click the Next button.

A list of discovered devices is displayed. From the list, select the device to which the file is being imported and then click the **Next** button.

**Note:** Telnet Scripting's import file option supports multiple devices. If the script file is to be applied to more than one device, simply Control-click or Shift-click all applicable devices in the list before clicking **Next**. Remember, however, Auto-Login must first be configured for all devices to which a file is being imported.

The CLI commands in the script file are displayed in the Scripts Content window.

If the selected device is without a Telnet username/password, then a dialog box will pop up, to allow you to enter the Telnet user name and password for the device. Enter the Telnet user name and password, and then click the **OK** button to close the popup dialog box.

Please specify a	If the missing telnet login	-name(s)/password	(s) 🙆 🕂 🗠
Name	Address	Usemame	Password
OmniSwitch	10.255.11.244		C. Reserved and the

Click the **Send Script** button in the **Send Script** tab. The script file is now imported and applied to the switch, and the status of the import operation is displayed.

**Tip:** If the file is not successfully imported (i.e., Percent Done does not reach 100), check the status pane at the bottom of the main Telnet window for troubleshooting information. The most common error when trying to import a file is missing login information. This can be corrected by configuring Auto-Login for the device.

**Reminder:** Changes made to a device using a script file are applied only to the device's *running memory* (i.e., RAM). If the device reboots or goes down unexpectedly, any unsaved changes will be lost. To save changes to the device's Working directory, you must either use the OmniVista Topology application or type **write memory** at the Telnet session command prompt. To save changes using the Topology application, right-click the device from the main Topology window and select **Save to Working** from the popup menu. If multiple devices have been configured using the script file, be sure to save changes for each device.

### **Editing Script Files**

To edit a script file, select the file from the **Filename** list, then click **Edit**. The **Enter Scripts** text box (which was previously grayed out) becomes active. The CLI commands contained in the selected script file can now be deleted, modified, or appended. When the changes are complete, click the **Save** button.

**Important Note:** When the changes are saved, the previous contents of the script file are overwritten. To preserve the original contents of the file, be sure to make a backup copy before editing.

### **Deleting Script Files**

To delete a script file, select the file from the Filename list, then click Delete.

**Note:** When a file is deleted, it is permanently removed from the **scripting\_files** directory. Once a script file is deleted, it cannot be recovered.

Click **Yes** in the Warning dialog box.



### **Deleting Multiple Script Files**

Multiple log files can be deleted at once. To delete multiple script files, simply Controlclick or Shift-click all applicable files in the list before clicking **Delete**. Remember, however, that once the files have been deleted, they cannot be recovered.

### **Viewing Log Files**

The **View Logs** tab allows users, on a command-by-command basis, to view Telnet Scripting results. In other words, it displays whether the contents of a file were successfully applied to the device. A log file also provides a record of a particular configuration, as well as effective troubleshooting information, when applicable.

Unless an error has occurred, the log file will closely resemble the script file (i.e., it will list only the CLI commands that were applied to the device). If an error has occurred, an error notification displays in the log, following the CLI command that triggered the error. For more information, see the example below:

Error messages (if any) display in the main Logs window, along with the contents of the					
			script file.		
OmniVista 2500 - Applicat	ion: 1	Celnet Windov:0			
Eile Edit Applications Vie	w ł	leip			
		🧕 🗶 🚅 Switche	s 🕶	<b>a</b>	
🗲 Teinet	-1	Create Scripts Sen	d Script View Logs		
e 🗑 Switches				AIHIM	
		IP Address Name	Filename	Date	
10.255.11.59		10.255.11.242 Kite	no Quarantined-20051214 14-33-25.log	Dec 14, 2005 2:33:26 PM	
10.255.11.60		10.255.11.60 Kite 60	save config snapshot-20051214 14-30-51.log	Dec 14, 2005 2:30:54 PM	
10.255.11.61					
10.255.11.03					
10.255.11.57	-8				
10.255.11.102					
10.255.11.104		Logs			
10.255.11.111		5			
10.255.11.112		Helcone to the blow	tel OwniSwitch 6000		
- 10.255.11.119		Sofeware Varaion 6	1 2 60 DOL Development November 00 200		
- 10.255.11.120		SOLCOBLE VELSION 0.	rision peveropaene, november 00, 200		
- 🔂 10.255.11.121		Commission 1004	2005 Harrel Turennersching The All D	waters was seen as	
- 🗑 10.255.11.122	3	copyright(c), 1994	2005 Alcadel Internetworking, Inc. All P	lights reserved.	
- 🗑 10.255.11.123		Count Court with 1998 1 4 1			
- 10.255.11.125		UMAISWITCH(TH) 18	trademark of Alcatel Internetworking, I	nc. registered	
- 🗑 10.255.11.126		in the United State	s Fatent and Trademark Office.		
- 😥 10.255.11.127					
- 🗑 10.255.11.129		-> prompt string ->	>		
- 🗑 10.255.11.130		-> no policy rule	Quarantined		
- 🗑 10.255.11.144		ERROR: No such rule	É	_	
- 10.255.11.148		l			
- 10.255.11.151			Delete Evnort Help		
- 10.255.11.153			Coport Neth		

Select a log file from the list.

As with the scripting files, log files are automatically stored on the server or local system. File locations may vary, depending on the OmniVista installation, but can generally be found at a path similar to the following:

Alcatel OmniVista 2500\data\telnet\scripting\_logs

**Note:** By default, log files are placed in a directory indicating the IP address of the corresponding device.

## **Deleting Log Files**

To delete a log file, select the file from the Filename list, then click Delete.

**Note:** When a file is deleted, it is permanently removed from the **scripting\_logs** directory. Once a log file is deleted, it cannot be recovered.

Click Yes in the Warning dialog box.



### **Deleting Multiple Log Files**

Multiple log files can be deleted at once. To delete multiple log files, simply Control-click or Shift-click all applicable files in the list before clicking **Delete**. Remember, however, that once the files have been deleted, they cannot be recovered.

# **Specifying SSH Session Preference**

SSH (Secure Shell) provides Telnet sessions with enhanced encryption and security. SSH may be mandatory for some device types. OmniVista uses SSH by default for those devices requiring SSH. However, for AOS and other devices where SSH is optional, standard Telnet is the default setting. To use SSH, the user must specify SSH either on a device-by-device basis, or on multiple devices.

### **Specifying SSH on a Single Device**

To specify SSH encryption on a single device, right-click the device in the Telnet Navigation Tree and select **Edit** from the popup menu that displays.

The **Edit-Discovery-Manager-entry** dialog box displays. Click the checkbox next to Prefer SSH. When this box is checked, future Telnet sessions for this device will use SSH. When finished, click the **OK** button.

### **Specifying SSH on Multiple Devices**

As with Auto-Login, specifying SSH for multiple devices is done through OmniVista's Topology application. Topology allows users to select multiple devices from a list and, in one step, specify the SSH preference for future Telnet sessions.

To set up SSH for multiple devices, start by opening the Topology application. (Topology can be accessed via the Task Bar by clicking the **Configuration** group button and then the **Topology** application button.)

When Topology launches, a list of all discovered devices displays. Using **Control-click** or **Shift-click**, select the devices from the list. Right-click over any of the selected devices. A popup menu displays. Select **Edit** from the menu.

The Edit Discovery Manager Entry dialog box displays. Click the checkbox next to Prefer SSH. Future Telnet sessions for the selected devices will use SSH. When finished, click the OK button.

# **Creating and Using Telnet Scripts**

A Telnet script file is a text-based file used to configure one or more devices through OmniVista's Telnet Scripting feature. Telnet scripting is especially useful in applying batch updates or common configurations across multiple devices. A script file must contain only CLI commands supported on AOS switches. When a script file is applied, each CLI command in the file is sent to the device via Telnet.

**Note:** Before attempting to apply a script, OmniVista must know the user name and password for each device being configured. Use Auto-Login to specify the login information.

Users are not required to create script files using a third-party text editor. OmniVista provides a text box where CLI commands can be manually entered from the Telnet application. During the Telnet Scripting steps, these commands are saved to a script file (which can be accessed for reference or future applications).

**Note:** For comprehensive Telnet help, including establishing one or more sessions with a device, click here or select "Telnet Help" from the main menu bar at the top of the OmniVista window.

# **Pre-Configured Script Files**

OmniVista includes pre-configured Telnet script files to automate some common, routine tasks. A brief description of these scripts is provided below.

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Telnet	Create Scripts Send Script View Log	s	
Switches		a	
10 255 11 99	Filename	Last Modification Date	
10.255.11.103	add_SNMP_users.script	Oct 23, 2006 12:06:22 PM	
10 255 11 123	clean_flash.script	Oct 23, 2006 12:06:22 PM	
10 255 11 129	Ewebimageclean.script	Oct 23, 2006 12:06:22 PM	
- 10 255 11 132	Fwebimageclean.script	Oct 23, 2006 12:06:22 PM	
10.255 11.151	Install_images.script	Oct 23, 2006 12:06:22 PM	
10.255.11.194	no_Quarantined.script	Oct 23, 2006 12:06:22 PM	
10 255 11 198	Quarantined.script	Oct 23, 2006 12:06:22 PM	
10.255.11.199	save_config_snapshotscript	Oct 23, 2006 12:06:22 PM	
10.255.11.201	show_switch.script	Oct 23, 2006 12:06:22 PM	
10.255.11.210	**		
- 10.255.11.225	Enter Filename:		
10.255.11.226			
10.255.11.227	Enter Commands:		
10.255.11.228			
10.255.11.229			
10.255.11.230			
10 366 11 331			

### Pre-Configured Telnet Scripts

add\_snmp\_users.script - Generic script for adding a user that can be easily modified for a specific user.

**clean\_flash.script -** Cleans the dump files from the Primary and Secondary (if applicable) CMM and returns the flash to normal.

**Ewebimageclean.script** - Removes all the web image files from an OmniSwitch 8800 switch. Prior to an FPGA upgrade (AOS Release 5.1.6), the web image files must be removed due to flash size limitations. This script automates the removal process.

**Fwebimageclean.script** - Removes all the web image files from an OmniSwitch 7700/7800 switch. Prior to an FPGA upgrade (AOS Release 5.1.6), the web image files must be removed due to flash size limitations. This script automates the removal process.

no\_Quarantined.script - Deletes a MAC group called "Quarantine".

Quarantined.script - Creates a MAC group called "Quarantine".

save\_config\_snapshot.script - Creates a snapshot of the certified and working directory.

**show\_switch.script -** Writes the switch information (System, Chassis, and Hardware information) to a log file, which can be viewed by clicking on the View Log Tab.

**Important Note:** Use caution when using the **Ewebimageclean** and **Fwebimageclean** scripts. Use the Resource Manager application to perform a full backup on the switch prior to an upgrade.

### **Creating New Script Files**

To create a script, click the **New** button. Enter a descriptive file name in the **Enter Filename** text field. For example, **new\_vlan\_config1**. (The file extension **.script** will be added automatically when the script file is saved.)

Next, press the **Tab** key or select the **Enter Scripts** text box. Enter the CLI commands to be applied to the switch via this script. Be sure that all commands entered are AOS-compatible CLI commands; also, enter only one CLI command per line.

**Note:** Operational commands that automatically issue a confirmation prompt and require the user to type a response (such as, Y or N) are not supported in CLI script files. Examples include **takeover**, **reload**, **fsck**, etc. Do not attempt to include these command types in the script file. Instead, manually issue them via the standard CLI command line prompt. These operations can also be issued on a device-by-device basis via WebView or OmniVista.

Verify that the syntax of all the commands is correct before proceeding. When finished, click the **Save** button.

ommensed 2000 - Applicatio	n: Telnet Window:0	-		
e Edit Applications View	Help			
	🙆 🗶 💕 Switches 🔻			
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	add_SNMP_users.script	Oct 23, 2006 12:06:22 PM		
	clean_flash.script	Oct 23, 2006 12:06:22 PM		
	Ewebimageclean.script	Oct 23, 2006 12:06:22 PM Oct 23, 2006 12:06:22 PM		
	Fwebimageclean.script			
10 255 11 151	install_images.script	Oct 23, 2006 12:06:22 PM		
10,255,11,194	no_Quarantined.script	Oct 23, 2006 12:06:22 PM		
- 10.255.11.196	Quarantined.script	Oct 23, 2006 12:06:22 PM		
- 10 255 11 199	save_config_snapshotscript	Oct 23, 2006 12:06:22 PM		
- 10.255.11.201	show_switch.script	Oct 23, 2006 12:06:22 PM		
- 10.255.11.210				
10.255.11.218	A.T.			
- 10.255.11.225	Enter Filename:	ew vian config1		
- 10.255.11.226				
- 🗑 10.255.11.227	Enter Commands:			
10.255.11.228	Man2 router ip 172.2.2.120			
10.255.11.229	vlan3 router ip 172.2.2.122			
10.255.11.230	vian 4			

Click Save when finished.

### **Template Scripts**

You can also create template scripts. A "template" script is a script that contains special non-CLI syntax and keywords that represent OmniVista built-in variables or user defined variables This allows a single CLI script to be reused without making a separate script. The variables in the template must be prefixed with '\$' to show they are user defined variables. Examples of user defined variables are passing a community string name, VLAN number, MAC address, etc.

inter Filename:	vlan_id	
\$VLAN-ID		-

When the **Save** button is clicked, the script entries are automatically saved to a **.script** file. This file can be especially helpful if you want to save a particular configuration for later use. By default, the file is saved in OmniVista's **scripting\_files** directory on the server or local system. This directory's location may vary, depending on the OmniVista installation, but can generally be found at a path similar to the following:

Alcatel OmniVista 2500\data\telnet\scripting\_files

**Important Note:** The Telnet Scripting procedure is *not* complete at this point. You must click on the **Send Script** tab in the main Telnet window and follow the remaining steps in order to send the script file to the device(s).

# **Importing Existing Script Files**

Although OmniVista allows users to manually create script files within the Telnet application, existing script files can also be imported. In other words, a file containing a set of CLI commands can be accessed from a server or local drive and then applied to one or more devices. This allows users to maintain a library of network configurations and then apply them to devices in their network as needed.

Before importing a file to one or more devices, consider the following important guidelines:

- Any script file being imported must be text-based (ASCII).
- Although file extensions such as **.txt** and **.ascii** are supported, the file extension **.script** is recommended.
- All CLI commands contained in the file must be AOS-supported. Also, operational commands that automatically issue a confirmation prompt and require the user to type a response (such as, Y or N) are not supported in CLI script files. Examples include **takeover**, **reload**, **fsck**, etc.
- CLI commands must also be entered into the text file one command per line.
- Only one script file can be imported at a time.

To import a script file, click the **Import** button at the bottom of the main Telnet window. The **Import Scripting File** dialog box displays. Use the dialog box's **Look In** pulldown menu to locate the file being imported.

Note: If you are browsing for a file with an extension other than .script, be sure to select Files of Type -> All Files in the dialog box, as shown:

		Whan e (e.g sele men	en brow extensio ., . <b>txt</b> ), ected fr	sing fo n othe be sur om the	or a file r than re All F e Fil <mark>es</mark>	e with .script Files is of Type
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audit cache databases devices icons lists logs	inib inib inib inib inib inib inib inib	cache 📑 t s 📑 t nidapdb perties rantine eduler es	einet opology			
File <u>N</u> ame: Files of <u>T</u> ype:	Script F All Files Script Fi	les (script) les (script)	R			-

Once the script file has been located, select the file in the dialog box window; the file name displays in the **File Name** text field. Click the **Import** button.

(	Use the Loo and locate t	ok In pulldown menu to browse the script file being imported.
	Selec	ct the file in the dialog box windo
Import Scrip	ting File	×
ook in: 📩	scripting_files	
config120	040730.seript	
config120	140730.txt	
in Name	confiel 20040720 M	
ne Marne:	comig120040730.bt	
iles of Type:	All Files	-
		Import Cancel
		Click the Import button.

**Note:** The script import procedure is *not* complete at this point. You must click on the **Send Script** tab in the main Telnet window and follow the remaining steps in order to send the script file to the device(s).

### **Editing Script Files**

To edit a script file, select the file from the **Filename** list, and then click **Edit**. The **Enter Scripts** text box (which was previously grayed out) becomes active. The CLI commands contained in the selected script file can now be deleted, modified, or appended. When the changes are complete, click the **Save** button.

**Note:** When the changes are saved, the previous contents of the script file are overwritten. To preserve the original contents of the file, be sure to make a backup copy before editing.

### **Deleting Script Files**

To delete a script file, select the file from the Filename list, and then click Delete.

**Note:** When a file is deleted, it is permanently removed from the **scripting\_files** directory. Once a script file is deleted, it cannot be recovered.

Click Yes in the Warning dialog box:



# **Deleting Multiple Script Files**

Multiple log files can be deleted at once. To delete multiple script files, simply Control-click or Shift-click all applicable files in the list before clicking **Delete**. Remember, however, that once the files have been deleted, they cannot be recovered.

# **Sending Script Files**

You can send a script file to a single device or multiple devices in the network. To send a script file to a device or devices, select the script file in the **Filename** column of the **Send Script** tab, then click the **Next** button.

**Note:** You can also schedule a script to run at a later time. Click here for instructions on scheduling scripts.

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Switches	and the second se			A
10.0.0.08)	Filename		Last Modification Date	
10.255.11.99	add_SNMP_users.script	0	Oct 23, 2006 12:06:22 PM	
Switches         Image: Signal state st	clean_flash.script		Oct 23, 2006 12:06:22 PM	
10.200.11.123	Ewebimageclean.script		Oct 23, 2006 12:06:22 PM	
10.255.11.123	Fwebimageclean.script		Oct 23, 2006 12:06:22 PM	
10.255.11.152	install_images.script		Oct 23, 2006 12:06:22 PM	
10.255.11.104	no_Quarantined.script		Oct 23, 2006 12:06:22 PM	
10.255.11.106	Quarantined.script		Oct 23, 2006 12:06:22 PM	
10 255 11 199	save_config_snapshot.script		Oct 23, 2006 12:06:22 PM	
	show_switch.script		Oct 23, 2006 12:06:22 PM	
- 10.255.11.210 - 10.255.11.218 - 10.255.11.225 - 10.255.11.226 - 10.255.11.226 - 10.255.11.227 - 10.255.11.227 - 10.255.11.229 - 10.255.11.229 - 10.255.11.230 - 10.255.11.231 - 10.255.11.255.11.255.11.255.11.255 - 10.255.11.255 - 10.255.11.255 -				
10.255.11.232	<back next=""></back>	Send Script	Schedule Script Cancel	Help

A list of discovered devices is displayed. Select the device(s) to which you want to send the script. Note that "Auto-Login" must first be configured for all devices to which a file is being sent.

Switch		Create Scripts	Se	and Script Vi	ew Logs		
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	10.255.11.103	DCTestnetCo	re	10 255 10 254	testnet.ow/test ind alcatel.com	003920	613624 R
- 12	10.255.11.129	no-name	10	10.255.11.129	te our er gritte och date te erte	089700	6.1.3.683.R0
-9	10.255.11.132	s-dist-5		10,255,11,135		056800-48	613667.R0
- 2	10.255.11.135	Kite2 NMS		10.255.11.194		OS6850-24	6.1.3.683.R0
	10.255.11.194	s-core-1	_	10.255.11.199		089800	6.1.3.683.R0
	10.255.11.196	s-core-4		10.255.11.210		089700	6.1.3.683.R0
	10.255.11.199	no-name		10.255.11.218		OS9600	6.1.3.683.R0
6	10.255.11.201	NMS_HAWK_	102	10.255.11.225		OS6624	5.1.6.170.R0
2	10.255.11.210	Hawk197		10.255.11.226		OS6624	
2	10.255.11.210	Hawk151		10.255.11.227		OS6624	5.1.6.288.R0
1	10.255.11.225	🗑 OmniVista_2	28	10.255.11.228		OS6648	5.1.5.114.R0
12	10.255.11.220	🗑 Hawk_113		10.255.11.229		OS6648	5.1.6.154.R0
2	10 255 11 229	🗑 lanswitch		10.255.11.230		OS6600-P24	5.1.6.143.R0
- 2	10 266 11 220	QoS-EP1		10.255.11.232		OS6624	5.1.6.120.R0

Select the device(s) you want to send the script to.

Then click the Next button.

After selecting the device(s), click the **Next** button. The **Send Script Panel** is displayed:

Contract Concerns ( Second	🥝 🔀 😂 Switches 🔻		6					
E Teinet	Create Scripts Send Script V	iew Logs						
	Scripts Content							
10.255.11.99 10.255.11.103 10.255.11.129 10.255.11.132 10.255.11.135 10.255.11.135 10.255.11.194 10.255.11.196 10.255.11.210 10.255.11.210 10.255.11.218 10.255.11.225 10.255.11.225 10.255.11.226 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.228 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.11.232 10.255.	no more show system show chassis show hardware info							
- 10.255.11.228 - 10.255.11.229 - 10.255.11.230 - 10.255.11.232 - 10.255.11.232 - 10.255.11.232	The "send" status is with the the device	displayed along address(es)						
- 10.255.11.228 - 10.255.11.229 - 10.255.11.230 - 10.255.11.230 - 10.255.11.232 - 10.255.11.232	The "send" status is with the the device of Sending Scrip	displayed along address(es) It File to: 10.255.11.194						
- 10.255.11.228 - 10.255.11.229 - 10.255.11.230 - 10.255.11.232 - 10.255.11.232 - 10.255.11.232	The "send" status is with the the device of Sending Scrip Percent Comp	displayed along address(es) ht File to: 10.255.11.194 oleted = 100						
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T Date	The "send" status is with the the device of Sending Scrip Percent Comp < Back Next > Ser App	displayed along address(es) At File to: 10.255.11.194 oleted = 100 At Script Schedule Script Alcation	Cancel Help					
T T T T T T T T T T T T T T	The "send" status is with the the device of Sending Scrip Percent Comp < Back Next > Ser Telnet Telnet	displayed along address(es) At File to: 10.255.11.194 oleted = 100 at Script Schedule Script dication	Cancel Help					
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The second secon	The "send" status is with the the device of Sending Scrip Percent Comp <back next=""> Ser  Comp <back next=""> Ser App Telnet Telnet Telnet</br></back></back>	displayed along address(es) It File to: 10.255.11.194 oleted = 100 It Schedule Script Ilcation Info Info Info Info Info	Type log file = log file = (SSH2) script file					

### The Send Script Panel

Click the **Send Script** button. If the selected device does not have a Telnet username/password, a dialog box will pop up to allow you to enter the Telnet username and password for the device. Enter the Telnet username and password, and then click the **OK** button.

**Note:** The Telnet Scripting feature supports multiple devices. If the script file is to be applied to more than one device, simply Control-click or Shift-click all applicable devices in the list before clicking **Next**. Remember, however, Auto-Login must first be configured for all devices to which a file is being applied.

If the selected device is without a Telnet username/password, then a dialog box will pop up, to allow you to enter the Telnet user name and password for the device. Enter the user name and password, and then click the **OK** button to close the pop-up dialog box.

Please specify a	II the missing tel	Inet login-r	name(s)/passwor	d(s)
Name OmniSwitch	Addre 10.255.11.24	ss 14	Usemame	Password
	ОК	Edit	Cancel	

# **Scheduling a Script**

OmniVista allows you to schedule scripts to run at a later time. You can schedule a script to run a single time, or schedule the script to run at regular intervals. To schedule a script to run at a later time, click the **Schedule Script** button at the bottom of the **Send Script** tab. The **Schedule Script** window appears.

Schedule Window			
ipt			×
Oct 12, 2006 4:19:19 PM	÷.		
2	<u>^</u>	hour(s)	-
Schedule interval			
	Schedule Window  ipt Oct 12, 2006 4:19:19 PM 2 Schedule Interval	Schedule Window	Schedule Window

Enter the date and time for the script to run in the **Start Time** field. To run the script just once, leave the **Time Interval** field black and click the **OK** button. To run the script at regular intervals, enter a value in the **Time Interval** field, and select a time period from the drop-down menu to the right (e.g., Hours, Days, Weeks), then click the **OK** button.

**Note:** If a time interval is not specified, there will not be any recurrence by default. To view, reschedule, or remove a scheduled job, use the **Schedule** application. Results from the running of a scheduled script are written to the Telnet Log.

# **Tips for Sending Scripts**

If the file is not successfully applied ("Percent Completed" does not reach 100), check the Status Pane at the bottom of the main Telnet window for troubleshooting information. The most common error when trying to apply a file is missing login information. This can be corrected by configuring Auto-Login for the device. Status information for each of the CLI commands applied can be viewed by clicking the **View Logs** tab in the main Telnet window.

**Important Note:** Changes made to a device using a script file are applied only to the device's *running memory* (i.e., RAM). If the device reboots or goes down unexpectedly, any unsaved changes will be lost. To save changes to the device's Working directory, you must either use the OmniVista Topology application or type **write memory** at the Telnet session command prompt. To save changes using the Topology application, right-click the device from the main Topology window and select **Save to Working** from the pop-up menu. If multiple devices have been configured using the script file, be sure to save changes for each device.

# **Viewing Log Files**

The **View Logs** tab allows users, on a command-by-command basis, to view Telnet Scripting results. In other words, it displays whether the contents of a file were successfully applied to the device. A log file also provides a record of a particular configuration, as well as effective troubleshooting information, when applicable.

Unless an error has occurred, the log file will closely resemble the script file (i.e., it will list only the CLI commands that were applied to the device). If an error occurs, an error notification is displayed in the log, following the CLI command that triggered the error. For more information, see the example below:

	Se	lect a log file fro	om the list.	
		Error messag Logs window, script file.	ges (if any) di along with th	splay in the main e contents of the
🖉 OmniVista 2500 - Application: T	elnet Windov:0			
Eile Edit Applications View H	lelp			
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🕈 🗑 Switches		and a second		ATHINH
P	IP Address Name	Filena	ame	Date
10.255.11.59	10.255.11.242 Kite	no_Quarantined-2005121	4_14-33-25.log	Dec 14, 2005 2:33:26 PM
10.255.11.60	10.255.11.60 Kite_60	save_config_snapshot-20	051214_14-30-51.log	Dec 14, 2005 2:30:54 PM
10.255.11.61				
10.255.11.97				
- 10.255.11.102				
- 10.255.11.103	Louis			
- 😥 10.255.11.104	Logs			
10.255.11.111	->			-
10.255.11.112	Welcome to the Alco	tel OmniSwitch 6000		
10.255.11.119	Software Version 6.	1.2.69.R01 Development	, November 08, 2005	5.
10.255.11.120				
10.255.11.122	Copyright(c), 1994-	2005 Alcatel Internetw	working, Inc. All Ri	ights reserved.
- 10.255.11.123				
10.255.11.125	OmniSwitch(TM) is a	trademark of Alcatel	Internetworking, Ir	nc. registered
- 🗑 10.255.11.128	in the United State	s Fatent and Trademark	UTTICE.	
- 😥 10.255.11.127				
- 😥 10.255.11.129	-> prompt string -	2		
10.255.11.130	-> no policy rule	guarantined		
10.255.11.144	ERROR: No such rule	:		-
10.255.11.148				
10.255.11.151		Delete Ex	port Help	
10.255.11.153	L			

As with the scripting files, log files are automatically stored on the server or local system. File locations may vary, depending on the OmniVista installation, but can generally be found at a path similar to the following:

Alcatel OmniVista 2500\data\telnet\scripting\_logs

**Note:** By default, log files are placed in a directory indicating the IP address of the corresponding device.

# **Deleting Log Files**

To delete a log file, select the file from the Filename list, and then click Delete.

**Note:** When a file is deleted, it is permanently removed from the **scripting\_logs** directory. Once a log file is deleted, it cannot be recovered.

Click Yes in the Warning dialog box.



### **Deleting Multiple Log Files**

Multiple log files can be deleted at once. To delete multiple log files, simply Control-click or Shift-click all applicable files in the list before clicking **Delete**. However, remember that once the files have been deleted, they cannot be recovered.

# **Exporting Log Files**

To export a log file, select the file from the **Filename** list, and then click **Export**. A dialog box will be displayed. This dialog box will help you export the selected log file to a directory of your choice.

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