

Part No. 310621-A
October 2000

4401 Great America Parkway
Santa Clara, CA 95054

Release Notes for Optivity Quick2Config for Business Policy Switch 2000 2.2.1

*310621-A *

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Introduction

These release notes describe the latest enhancements and changes to the Optivity Quick2Config™ for Business Policy Switch™ 2000 software, and supplement the Optivity Quick2Config 2.2 documentation set. You should read these notes before you install or use the Quick2Config software.

Installation notes

This section provides supplemental information about installing the Optivity Quick2Config 2.2 software on UNIX or Microsoft® Windows® platforms. For complete information about installation requirements and installation tasks, see *Installing and Administering Optivity Quick2Config 2.2*.

UNIX platforms

- Before you install Quick2Config on HP-UX 10.20, ensure that you have installed the patches required to run Java Runtime Environment (JRE) version 1.1.8.
- On HP-UX and AIX platforms, you must install the Quick2Config server and the Quick2Config client software in the foreground with these commands:

```
sh ./server.bin  
sh ./client.bin
```

This restriction does not exist on Solaris platforms, so you can use the following command to install the software in the background:

```
sh ./server.bin &  
sh ./client.bin &
```

- If the Quick2Config installation is interrupted or fails on a UNIX system, delete all files with the file name format `install.dir.nnnn` from the `/tmp` partition before you restart the installation. The installation requires sufficient disk space (approximately 30 MB) in `/tmp`.
- On Solaris platforms, the Quick2Config uninstall does not check to be sure that the Quick2Config server and client have shut down. If you uninstall Quick2Config while the server or client is running, the processes stay open and you must stop them using the `kill -9` command.

- Due to a problem with InstallAnywhere 3.0 on UNIX platforms, the uninstall process leaves some files on your system. To remove the files manually, delete the contents of the /usr/Quick2Config and /opt/optivity/Quick2Config directories.

Windows platforms

- Quick2Config requires version 2 of the winsock.dll file. Although most Microsoft Windows platforms include this version of the winsock.dll file, some early versions of Windows 95 include version 1.1. You can download the most recent version of the file from the Microsoft Web site.
- Although you can install and run the Quick2Config server on Windows 95 and Windows 98 platforms, the Quick2Config server performs slowly on these platforms. Therefore, Nortel Networks™ recommends that you install only the Quick2Config client on Windows 95 and Windows 98 systems.
- On Windows 95 and Windows 98 systems running Norton AntiVirus software, you must disable Norton AntiVirus software before you install the Optivity Quick2Config 2.2 software.
- Due to a problem with InstallAnywhere 3.0, the Restore Default Location option does not work when you are choosing the installation directory. The directory location remains the same as the last directory specified.

Operational notes

This section provides operational notes for Optivity Quick2Config 2.2 for Business Policy Switch 2000.

General issues and recommendations

- On UNIX systems, if you are unable to start a Web client session, if the Web client Login window is not properly displayed, or if the Quick2Config server displays erroneous error messages, then you might not have enough disk space in the root directory. Increase the size of the root directory.
- If you use a remote client to access the Quick2Config server, the client does not recall the server name during subsequent login attempts.

-
- If you change the settings on the system clock, you must restart the Quick2Config server and client software; otherwise, Quick2Config continues to operate based on the old clock settings.
 - If Quick2Config is running on a system that includes a zip drive, Quick2Config might display an error message when you are browsing for files. You can ignore this message.
 - Although shortcuts for ports appear in the Palette folder for VLAN and MLT configuration items, you cannot paste VLAN or MLT ports from the Palette to an item in the navigation tree. Instead, select the desired ports in the navigation tree, and create shortcuts to the configured VLAN or MLT. The shortcuts that appear in the Palette indicate which objects are allowed as children to the selected object.
 - When you create a new VLAN, the default VLAN ID is 1 instead of the next available VLAN ID. You must manually change the VLAN ID.

Help system

- When you access the online Help system, Quick2Config might display a “File Not Found” error. In this case, inspect the URL in the Help window to ensure that the URL specifies the Web server that you are using. If you are using the integrated Web server, the URL is the host name (or IP address) of the system running the Quick2Config server, followed by the path to the help directory. For example:

`http://myServer/Quick2Config/help/contents.html`

- Changing the Web server port disables the Quick2Config Help system. To enable the Help system, restart the Quick2Config server after you have changed the port number of the integrated Web server. See “[Quick2Config integrated Web server port](#),” next.

Quick2Config integrated Web server port

By default, Quick2Config runs an integrated Web server on port 80. The Web server is required to view the system log and to access online Help.

If there is a third-party Web server already running on port 80 at startup, the integrated Web server is not enabled. The first time you start the Quick2Config server without the integrated Web server, you see detailed messages. However, the server does not report the Web server as disabled on subsequent startups.

To use the Quick2Config integrated Web server, you must use the Quick2Config client to change the Web server port number.

To enable the appropriate text box and change the port number for a disabled integrated Web server:

- 1 In the navigation pane, choose Server Setup > Web Server.
Notice that in the Properties tab, the Enabled check box is not selected, and the Port text box is not enabled for changes.
- 2 Alternately select and clear (toggle) the Enabled check box until the Port text box is enabled for changes.
- 3 Specify an unused port number for the Web server.
- 4 Make sure the Enabled check box is selected.
- 5 Restart the Quick2Config server.

Quick2Config server port on HP-UX systems

By default, HP-UX systems reserve port 7000 for a font server. Port 7000 is the default port for the Quick2Config server. Therefore, Nortel Networks recommends that you edit the startup options for the Quick2Config server on HP-UX systems.

To specify another port for the Quick2Config server:

- 1 Using a text editor, open the file `/usr/Quick2Config/server/bin/server.lax`.
- 2 Locate the line that reads:

```
lax.command.line.args=-database ./database -console ...
```
- 3 Insert the **-port** option just before the `$CMD_LINE_ARGUMENTS$` option.
You must enclose the port number in quotation marks.

For example, to start the server on port 7099, edit the line to read:

```
lax.command.line.args=-database ./database -console -port "7099"  
...
```

Importing device configurations

- When you import and export configurations to and from devices on the network, Quick2Config waits for a response from the device. If, after 120 seconds, Quick2Config has not received a response from the device, Quick2Config displays a time-out error message.

In some situations (for example, over a busy WAN connection) 120 seconds might not be a long enough time to receive a response from a device. In these situations, you might want to increase the time-out variable. You can set the time-out variable for devices in the Import tab and the Export tab for each device.

- Depending on the configuration of your system and the amount of traffic on the network, importing configurations from devices with many VLANs can take upwards of 30 minutes.

Addressing BayStack switches

The BayStack™ 450 product family supports stacked units: two or more BayStack switches, each with its own IP address, that might be accessed by an IP address for the stack.

In a two-unit stack, the stack IP address becomes invalid if either of the switches becomes inoperable. Thus, given a unit with address n.n.n.16 comprised of switches n.n.n.18 and n.n.n.19, the unit address becomes invalid if either n.n.n.18 or n.n.n.19 fails. In this case, you must access the switches (import, export, re-import) with their specific IP addresses.

This anomaly does not exist with stacks comprising more than two switches.

MLT groups

- Before you add or delete any ports from an MLT configuration, delete the MLT group, and then create a new MLT.
- If a link is up, you cannot configure the speed of the ports in a multilink trunk (MLT).

PVIDs and VLANs

When you create a new VLAN and then copy ports to it, the port PVIDs are changed to match the new VLANs PVID.

Telnet client

Nortel Networks recommends that you use another Telnet client for this release. On all platforms, the Quick2Config Telnet client is inconsistent, as follows:

- The Telnet window may be blank initially. To resolve this, disconnect the Telnet connection, and then reconnect. It is not necessary to exit the application.
- Some of the Telnet menu items overlap. You can resolve this by disconnecting, then reconnecting.
- Certain screens are unreadable with the default window size. You cannot resolve this by resizing the window.

SNMP community strings

- Although the SNMP configuration item includes enabled community string fields, Quick2Config does not support import or export of SNMP community strings.
- If you use Quick2Config SNMP configuration item to change community strings values, the Import and Export dialog boxes reflect the changes, even though the device requires the previous strings.
- If you attempt to initiate export or import operations with the incorrect SNMP community string, Quick2Config displays the following incorrect error message: `No such variable name in this MIB.`

Import speed

If importing or reimporting devices takes a very long time, you might be able to improve performance by increasing the maximum number of configuration elements of the Quick2Config server cache. By default, the server cache holds up to 4096 elements. If an import operation exceeds 4096 elements, Quick2Config must write data to disk. Writing to disk during import slows the operation.

To determine the number of elements currently in the Quick2Config server cache:

- While the server is running, type `c` in the server console window.

To increase the number of elements in the Quick2Config server cache:

- 1 Using a text editor, open the `server.lax` file, located in the Quick2Config directory. For example:

- `/usr/Quick2Config/server/bin/server.lax`
- `C:\Program Files\Optivity\Quick2Config\server.lax`

- 2 Locate the line that reads:

```
lax.command.line.args=-database ./database -console ...
```

- 3 Insert the `-cache 8092` option just before the `$CMD_LINE_ARGUMENTS$` option.

For example, to increase the elements in cache to 8092, edit the line to read:

```
lax.command.line.args=-database ./database -console -cache 8092  
...
```

Restrictions

This section describes the operational restrictions of Optivity Quick2Config 2.2 for Business Policy Switch 2000.

Differences with Business Policy Switch Web interface

Optivity Quick2Config 2.2.1 provides the same configuration features as release 1.0 of the Business Policy Switch 2000 Web interface, with the following exceptions:

- There is no support for port mirroring.

If you import a device configuration that has mirrored ports, subsequent export operations will include errors and the VLAN is disabled.

- Port properties for the QoS BPS Cascade Int Ifcs role combination are read/write; however, you cannot successfully export changes. In the Web interface, the QoS cascade port properties are read-only.
- There is no support for IGMP Fast Leave or Fast Join.
The IGMP Robust Value property must be 2 or higher, but the fast leave and fast join features requires that the value be set to zero.
- The DiffServ codepoint (DSCP) values in the DSCP Mapping table appear in decimal format; however, Quick2Config does not indicate whether the values are decimal or hexadecimal. The Web interface displays DSCP values in hexadecimal format.
- When you create and export a new QoS role combination, the Capabilities column is blank in the Business Policy Switch Web interface.

Importing and exporting device configurations

Quick2Config for Business Policy Switch 2000 supports importing configuration data from a device on the network, comparing a configuration with data on a device, and exporting configuration data directly to a network device. It does not support exporting, comparing, reimporting, or importing configuration data to or from a TFTP server.

When you attempt to use the Import or Reimport from TFTP, Export to TFTP, or Compare with TFTP options, you do not receive an error message. Instead, the dialog box opens with an empty driver list.

Running Quick2Config on Windows systems with multiple network adapters

In some cases, the Quick2Config standalone client does not start on Windows systems with multiple network adapters. If the standalone client does not start, use the Windows command to display the current system IP address of the system running the Quick2Config server:

- Windows NT®: **ipconfig**
- Windows 95 and Windows 98: **winipcfg**

Then restart the client, and specify the IP address in the Host field.

Running Quick2Config on non-networked Windows 95 systems

Quick2Config requires a TCP/IP stack. Therefore, in order to run Quick2Config on non-networked Windows 95 computers, you must configure a TCP/IP dial-up adapter and disable Dynamic Host Configuration Protocol (DHCP).

To configure the TCP/IP dial-up adapter and disable DHCP:

- 1 Start the Windows 95 Control Panel.
- 2 Double-click the Network icon.
The Network dialog box opens.
- 3 From the list of available network components, choose TCP/IP > Dial-Up Adapter, and click the Properties button.
The TCP/IP Properties dialog box opens.
- 4 In the TCP/IP Properties dialog box, click the IP Address tab.
- 5 Click Specify an IP address.
- 6 Enter the following IP and Subnet mask addresses:
 - IP address: 127.0.0.1
 - Subnet mask address: 255.255.255.0



Note: If your computer does not accept the default **localhost** address (127.0.0.1), try another address such as 123.123.123.123. If you do use an address other than the default, you must add that address and a host name (for example, myComputer) to the hosts file. **Do not** use **localhost** as the host name for an address other than the default address.

- 7 In the TCP/IP Properties dialog box, click OK.
- 8 In the Network dialog box, click OK.
- 9 Reboot your computer.

Optivity NMS launch point

The Optivity Integration Toolkit (OIT) launch point for Quick2Config is not properly installed in Optivity Network Management System™ (NMS) InfoCenter 9.1.

To add the application launch point for Quick2Config to Optivity NMS 9.1:

- 1 Install Quick2Config.
- 2 From a command line, enter:

```
oitInstall -u <pathname_to_OIT_file>
```

The -u option upgrades Optivity NMS. If you do not specify the -u option, a syntax check only is performed on the OIT file.
- 3 Add the Quick2Config directory to the PATH environment variable in one of the following:
 - Windows: the System Properties dialog box
 - UNIX: the login initialization file
- 4 Start InfoCenter.
- 5 In the InfoCenter main window, choose Admin > Application Launch.
The Application Launch dialog box opens.
- 6 Click Quick2Config.
- 7 In the NT Environment box, if the full path name to the Quick2Config is specified, remove the full path name, but leave the executable file name.
- 8 Click Apply, then Refresh, then Cancel.



Note: You must click Apply, Refresh, and Cancel in that order.

The new information is updated in the database and the Application Launch window closes. You can now launch the Quick2Config from an InfoCenter resource.

Known problems

This section describes problems known to exist in Optivity Quick2Config 2.2.

MLT groups

This section describes problems with support for multilink trunks (MLTs).

Adding new QoS role combination to MLT

If you use the Web interface to create a new role combination and assign MLT ports, and then import the configuration to Quick2Config, the role combination no longer has ports assigned. The only error message is in the server log window.



Note: For quality of service (QoS) configuration, Nortel Networks recommends using Quick2Config or the Business Policy Switch 2000 Web interface, but not both simultaneously.

Incorrect error message

When you delete MLT ports from a configured VLAN, Quick2Config displays the error message: `Delete operation could not complete`. However, the deletion completes as expected.

Canceling an import with an out-of-disk-space error

When Quick2Config determines that the system does not have enough disk space to complete an import operation, it displays an error message. You can increase the available disk space and retry the import operation. If you cancel the operation, the Quick2Config server and the Quick2Config client shut down.

Canceling a client login

If you click the Cancel button in the Quick2Config client Login window after you start a client session, but before the client session is established, the Quick2Config server might erroneously report that the client session has been established.

Image Download Wizard

- The first attempt to use the Image Download wizard sometimes produces an erroneous error message. If you see the following message text, restart the wizard:

```
Can't start up the image download process of switch
Please verify the TFTP Server IP address and image file name.
```
- The text in the BayStack Switch Image Download Wizard is truncated. To view all the text, resize the wizard window.
- Although the Finish button in the wizard is enabled before you might have supplied the required information, make sure that you do not click Finish until you have supplied the information.
- In a Business Policy Switch 2000 mixed stack running agent version 1.0, the wizard does not work for BayStack 450 images.

BayStack ports

The following items relate to BayStack 450 and BayStack 410 ports.

Invalid port speeds

On BayStack 450-12F ports, the 10Mbps/Full duplex and 10Mbps/Half Port Speed property options are enabled; however, only 100Mbps line speeds are valid. BayStack 410-24T ports support only 10Mbps line speeds; however, the 100Mbps speeds are enabled as property values.

Ports assigned to QoS role combination

Occasionally, you see BayStack ports assigned to a Business Policy Switch role combination. This is a problem with the display only. To correct the GUI display, choose View > Reset in the Quick2Config menu bar.

Static router ports

- On both BayStack 450 and Business Policy Switch 2000, setting a port as an IGMP static router in Quick2Config fails to set the device port after export.
- When you configure an IGMP static router port on a VLAN port that is set for independent VLAN learning (IVL), Quick2Config incorrectly configures the port as static router port on all of its configured VLANs.

No error checking on protocol-based VLAN user-defined protocol ID

If you configure a protocol-based VLAN with an invalid Protocol ID, Quick2Config successfully exports the VLAN to the device without an error message.

Device name change lost after reimporting

If you import a network device to Quick2Config, rename the device, and export the new configuration, upon reimport the new device name does not appear. The device name reverts to the original name.

Documentation errors

Installing and Administering Optivity Quick2Config 2.2

- Step 3 on page 44 should read:

```
setenv DISPLAY localsystem:0.0
```

Using the Optivity Quick2Config 2.2 Client Software

- Figure 10 on page 37—The pop-up menu should show a **Re-import** item between the **Export** and **Compare** items.

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How to get help

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If you purchased a Nortel Networks service program, contact one of the following Nortel Networks Technical Solutions Centers:

Technical Solutions Center	Telephone
EMEA	(33) (4) 92-966-968
North America	(800) 2LANWAN or (800) 252-6926
Asia Pacific	(61) (2) 9927-8800
China	(800) 810-5000

An Express Routing Code (ERC) is available for many Nortel Networks products and services. When you use an ERC, your call is routed to a technical support person who specializes in supporting that product or service. To locate an ERC for your product or service, go to the www12.nortelnetworks.com/ URL and click ERC at the bottom of the page.