Dell[™] PowerConnect[™] 3024, 3048, and 5012 Network Switches

Addendum to the 3024, 3048, and 5012 User's Guides



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Notes, Notices, and Cautions



NOTE: A NOTE indicates important information that helps you make better use of your computer.

D NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

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Addendum to the 3024, 3048, and 5012 User's Guides

New Features:

- IP Assignment Mode
- SNMP Host Authorization Table
- User Authentication Mode RADIUS Server IP Address, RADIUS Shared Secret, IP Filtering, and Allowed IP Addresses
- Layer 3 Priority DiffServ
- Configuration File Management
- Enhanced Security Administration
- More Statistics/Utilization Summary

NOTE: The features described in this section apply to both the Web interface and the console interface for your switch.

NOTE: The graphics in this section may differ slightly from the graphics on your computer.

System Manager/IP Settings:

- IP Assignment Mode Sets whether IP functionality is enabled through manual (static) configuration or set by Dynamic Host Configuration Protocol (DHCP) or Boot Protocol (BootP).
 - Manual Sets static IP address.
 - BootP Gets IP address from a BootP server.
 - DHCP Gets IP address from a DHCP server.

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System Manager/Security Admin:

- User Authentication Mode Selects the authentication or authentication sequence required.
 - Local Only The switch authenticates the user.
 - Local then Remote The switch attempts to authenticate the user first, and then a RADIUS server attempts to authenticate the user.
 - Remote then Local A RADIUS server attempts to authenticate the user first, and then the switch attempts to authenticate the user.
 - Remote Only A RADIUS server authenticates the user.
- **RADIUS Server IP Address** Identifies the IP address of the RADIUS server.
- **RADIUS Shared Secret** Specifies the text string that is shared between the switch and the RADIUS server.
- IP Filtering Allows up to 16 IP addresses to access the switch management function, if enabled.
- Password Admin Enables or disables password protection.

- Allowed IP Addresses You can enter up to 16 IP addresses in the Allowed IP Address table.
- Disable Telnet/Web Access (Console Only) Provides an option to enable or disable Telnet or Web access to the switch.

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Layer 3 Priority — DiffServ:

• DiffServ — You can change the default ToS priority by selecting Normal Priority or High Priority for each class of services. This setting leverages the IETF definition of the IPv4 Type of Service (ToS) octet in the IP packet-header by using the Differentiated Services Code. • Point (DSCP) field(6 bits) classifies packets into any of the 64 possible classes.

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SNMP Host Authorization Table:

If the host authorization is disabled, which is the default setting, the switch allows any SNMP manager to access the switch. If the host authorization is enabled, the administrator can specify up to 16 SNMP managers on the host table to access the switch.

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Statistics/Counter Reset:

Reset — Allows you to reset all statistics counters.



• Statistics/Utilization Summary — Allows you to view a summary by port of the link status, percent utilization, ratio of incoming unicast, nonunicast, and error packets.

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- Refresh Allows you to refresh the Utilization Summary page.
- Statistics/Counter Summary Allows you to view all ports accumulated, transmitted, and received unicast, nonunicast and error packets.
- **Refresh** Allows you to refresh the **Counter Summary** page.

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Configuration File Management:

- To save the switch's current configuration file to a server, supply the TFTP server IP address and configuration filename, and then select **Transfer Configuration File to Server**. To load a configuration file from a server, supply the TPTP server IP address and configuration filename, and then select **Transfer Configuration File from Server**.
- To restore the preinstalled configuration, select Restore.
- **TFTP Server IP Address** Inserts the TFTP Server IP Address to save or load.
- **TFTP Path/Configuration Filename** Inserts the TFTP Path and configuration filename to save or load.
- Transfer Configuration File to Server— Saves the switch configuration file to a server.
- Transfer Configuration File from Server Loads a configuration file from a server to the switch.
- **Restore** Restores preinstalled default settings.

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