

DELL X4012

GETTING STARTED WITH HC3

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INTRODUCTION

This guide provides general configuration examples. The configurations found here may not be applicable for all environments. Consult Dell's official documentation for further information in regards to your environment's unique configuration.

REQUIREMENTS

- The switch should be racked, cabled, and powered on.
- The switch should be connected to the network, presumably with DHCP enabled.
- **The switch is intended to be utilized as a Backplane-network-only switch.** This minimizes configuration requirements and ensures dedicated resources for the Backplane network.

NOTE

If there is no DHCP present on the network the switch defaults to 192.168.2.1.

LOGIN TO THE WEB MANAGEMENT CONSOLE

Configuration will be handled through the web interface console for the switch.

In order to find the assigned DHCP address, check the logs on your DHCP server or perform an `arp -a` command and locate the switch MAC address.

Once you have identified the IP assigned to the switch it can be used to access the web interface console within a web browser: `http://<switch-IP-address>`

The default username and password is admin.

SET A STATIC IP

NOTE

The following steps may not be applicable for all switch software versions and are provided as-is for general recommendations. Scale Computing does not monitor or maintain third party products. Contact Dell for advanced switch configuration tasks.

A static IP address is optional but recommended.

1. Open the web interface. Select Switch Management from the menu and then select IPv4 Addressing.
2. Click Edit, check the box next to VLAN DHCP, then click +Add.
3. Select VLAN, then Static, and input the IP address information. Click OK.

GENERAL CONFIGURATION

This is a general reference point for the expected switch configuration. Access Mode ports allow only one VLAN to be configured for a switch port. Tagged Mode ports can carry multiple VLANs.

1. An Initial Setup window will pop up when accessing the GUI in a web browser for the first time. Cancel out of the dialog to handle configuration manually.
2. All VLANs will need to be created prior to assigning ports.
 - a. Assign the LAN ports as General Ports with the default native VLAN 1, or create a new VLAN to match the network's default traffic if it differs. Ports assigned to the LAN VLAN should be General Ports.
 - i. **All ports are set to Untagged for VLAN 1 by default.** If you are not utilizing VLANs in your environment, you will not need to configure the VLAN settings for the switch ports further.
 - b. Assign the Backplane ports as Access Port VLAN Mode ports with a unique VLAN ID separate from anything else in the network topology.
 - i. If using two switches, set up an interconnect port as General mode with Tagging between the two switches on the same unique Backplane network VLAN ID and allowing the native VLAN. **DO NOT** forget to disable Spanning Tree Protocol on the chosen interconnect port to prevent a network loop.
3. It is optional if Flow Control is enabled or not, but it is generally recommended to enable it.
4. Configure an uplink port to the local network as a General Mode port with only the native VLAN ID assigned.
5. Spanning Tree may or may not need to be disabled to function without network issues in the local environment. Most often it is necessary to disable it.
6. Click the gear icon at the top of the GUI and select Save to Startup Configuration to finalize the changes.

RESOURCES

DELL

- [Dell Networking X1000 and X4000 Series Switches User Guide](#)

FEEDBACK & SUPPORT

DOCUMENT FEEDBACK

Scale Computing welcomes your suggestions for improving our documentation. Please send your feedback to documentation@scalecomputing.com.

TECHNICAL SUPPORT AND RESOURCES

There are many technical support resources available for use. Access this document, and many others, at <http://www.scalecomputing.com/support/login/>.

Online Community

Scale Computing has an online forum and community! This is a great medium in which to solicit the advice of your peers, benefit from their experience, find and discuss documentation, and participate in ongoing conversations. Please note this community is not intended to provide ScaleCare Support assistance or replace other Scale Computing communication channels. Find the Scale Legion HC3 Discussion Forum at <https://scalelegion.community>.

Online Support

You can submit support cases and view account information online through the Scale Computing Customer and Partner Portals at <http://www.scalecomputing.com/support/login/>. You can also Live Chat with support through www.scalecomputing.com during standard hours Monday-Friday from 8-8 local time.

Telephone Support

Support is available for critical issues 24/7 by phone at +1 877-SCALE-59 (+1 877-722-5359) in the US and at +44 (0) 808 234 0699 in Europe. Telephone support is recommended for the fastest response on priority issues, and the only response after standard Support hours.