
ProCurve Network Access Controller 800

Revision 1.0

Quick-start Guide

Central Management

NAC 800 uses clusters and servers. A cluster is a logical grouping of one or more Enforcement servers (ESs) that are managed by one Management server (MS).

The quarantine method is defined per cluster; all of the Enforcement servers in a given cluster use the same quarantine method (Inline, DHCP, or 802.1X). When using multiple clusters, each cluster can have a different quarantine method. Clusters cooperate to test and control access to the network.

Physical Deployment

NAC 800 installs in one of the following ways:

- **Inline** – When deploying NAC 800 inline, NAC 800 monitors and enforces all device traffic. When NAC 800 is deployed as a single-server installation, NAC 800 becomes a Layer 2 bridge that requires no changes to the network configuration settings. When NAC 800 is installed in a multiple-server installation, you might have to configure the switch that connects the NAC 800 enforcement servers to use Spanning Tree Protocol (STP) if STP is not already configured.

NAC 800 allows devices to access the network or blocks devices from accessing the network based on their Internet Protocol (IP) address with a built-in firewall (iptables).

- **DHCP** – When deploying NAC 800 inline with a Dynamic Host Configuration Protocol (DHCP) server, all DHCP requests pass through the NAC 800 server(s) Layer 2 bridge. For a quarantined device, NAC 800 distributes the quarantined IP address for the device. If NAC 800 allows the device to have access, NAC 800 allows your real DHCP server to distribute a non-quarantined IP address. NAC 800 assigns a DHCP IP address based on the quarantine area parameters you define during configuration. You can place restrictions on network access either at the gateway for the device using Access Control Lists (ACLs), or on the device by removing the device's gateway and adding static routes for accessible networks.
- **802.1X** – When deploying NAC 800 in an 802.1X environment, you must install it where it can communicate with the Remote Authentication Dial-In User Service (RADIUS) server (or, NAC 800 has a built-in

RADIUS server that you can use). The RADIUS server communicates with the switch, which performs the quarantining by moving ports or MAC addresses in and out of virtual local area networks (VLANs).

Ethernet Information

The Ethernet interfaces should be attached as follows:

- **Ethernet Port1** – Connect to the corporate LAN (the internal network side)
- **Ethernet Port2** – Connect to a switch, VPN, or DHCP server (the Internet or endpoint side)

Port Information

You might need to configure some firewalls and routers to allow NAC 800 to access the following ports for testing:

- Agentless test method – 137, 138, 139, and 445
- ActiveX and agent-based test method – 1500
- License validation and test updates – update.hp.com port 443
- Software and operating system updates – download.hp.com port 80

User Documents

The following user documents are available at www.procurve.com/nactools:

1. *ProCurve Network Access Controller 800 Hardware Installation Guide* – Refer to this document first to see how to prepare for and perform the physical installation of the appliance and how to establish initial management access. This document contains appliance specifications, safety information, and appliance certifications.
2. *ProCurve Network Access Controller 800 Configuration Guide* – Refer to this document second, to understand the product's features, capabilities, and use. This document explains how to configure the appliance based on the usage model you choose to deploy in your network.

3. *ProCurve Network Access Controller 800Users' Guide* – Refer to this document last for information on configuring, monitoring activities, creating NAC policies, and running reports.

Updates and Upgrades

See the *ProCurve Network Access Controller 800 Configuration Guide* for information on updates and upgrades.

Getting Support

ProCurve prides itself on providing exceptional customer support.

See Technical support – www.procurve.com

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