

ProCurve Network Immunity Solutions v8.21



At a Glance

ProCurve Network Immunity Solutions provides network engineers with the knowledge and skills required to use the ProCurve Network Immunity Manager (NIM) to protect their network from malware, denial of service (DoS) attacks, and other threats. The course provides hands-on experience in configuring and troubleshooting NIM both as a standalone threat detection and threat mitigation solution and as a combined solution with a third-party Intrusion Detection System (IDS).

Format Offered

- 2-day instructor-led course
- 60 percent lecture and 40 percent hands-on labs

Audience

ProCurve Networking channel partner systems engineers, network engineers, and other network professionals who manage security solutions.

Prerequisites

- Adaptive EDGE Fundamentals (v6.11 or later)
- ProCurve Security (v7.31 or later)
- Building ProCurve Resilient, Adaptive Networks (v7.41 or later)
- ProCurve Network Management (v6.41 or later)

Elms Code

00048679

Cost

Cost may vary per region.

Certification

ProCurve Network Immunity Solutions prepares participants for MASE - ProCurve Security Solutions Specialist [2008] certification within the HP Certified Professional program. The exam number is HP0-Y16. For more information, contact your HP representative or visit <http://www.hp.com/rnd/training/certifications.htm>. The test is offered at Prometric testing centers. For registration instructions, consult your local ProCurve representative or visit www.prometric.com/HP/default.htm.

ProCurve Network Immunity Solutions

Benefits of attending the course

- Participants learn about network behavior anomaly detection (NBAD) and how anomalous behavior corresponds to actual threats launched against a network.
- Participants learn how to fine tune NIM's threat detection capabilities for their environment, as well as how to design the most suitable threat mitigation policies for their environment.
- Participants experience hands-on training that will help them configure NIM both as a standalone solution and as a combined solution with a third-party IDS.
- Participants learn how to troubleshoot common problems that can stand in the way of effective threat detection and mitigation.

Student Performance Objectives

After completing ProCurve Network Immunity Solutions, students will be able to:

- Explain why a network immunity solution is vital to protecting your network from emerging threats
- Define Intrusion Detection System (IDS), Intrusion Prevention System (IPS), and Unified Threat Management (UTM)
- Describe the components of the ProCurve Network Immunity Manager (NIM)
- List the options for deploying the Network Immunity Solution and give reasons for choosing a particular option
- Install PCM+ and NIM, setting initial parameters to support NIM's functions
- Describe how NIM automatically monitors your network with default alerts, actions, and policies
- Describe the types of events that can trigger an alert in ProCurve NIM
- Make an educated guess about the type of attack that caused NBAD to detect a particular anomaly
- List actions NIM can take and choose appropriate actions to respond to particular alerts
- Describe the capabilities of various ProCurve switches for supporting NIM
- Configure alerts and actions and create basic NIM policies
- Analyze security activity using PCM+ tabs and maps
- Find events that are relevant to network integrity
- Generate reports, manually and automatically
- Complete the network immunity lifecycle and establish your baseline
- Analyze results to establish your security policy
- Use best practices to create policies customized to your environment
- Set up your network infrastructure for a NIM+IDS deployment
- Set up your third-party IDS to interoperate with NIM
- Plan and create policies that mirror suspicious traffic to an external IDS
- Plan and create external alerts and policies that take action based on those alerts
- Troubleshoot a NIM + IDS deployment

Topics Covered

- Module 1: ProCurve Network Immunity Overview
- Module 2: Threat Detection and Mitigation
- Module 3: ProCurve Network Immunity Solution—NIM + IDS
- Module 4: Reports and Analysis
- Module 5: Security Policy Management

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