



HP Certified Professional Program

ProCurve Network Management, HP0-Y13

Exam Preparation Guide

Purpose of the Exam Prep Guide

The intent of this guide is to set expectations about the content and the context of the exam and to help candidates prepare for the exam. In this guide, you will find recommended HP training courses, reference and study material to help you achieve a successful passing score.

Studies conducted by HP and Prometric show that a combination of course attendance and self-study maximizes the likelihood of passing the exam on the first attempt.

Audience

This exam is for systems engineers or networking engineers designing complex networks. Examples of job roles:

Reseller and customer network specialists, System Engineers, Network Engineers, HP Field System Engineers, HP Services Technical Support and Field Services Engineers

General areas of content include: the installation, configuration, and usage of ProCurve Manager v2.21, and Identity Driven Manager v2.2 network management applications.



Certification Requirements

ProCurve Network Management, HPO-Y13, is the elective requirement to be certified as an Accredited System Engineer (ASE) for ProCurve Network Management.

The ASE – ProCurve Network Management designation provides certification that an individual has the skills to design, install, configure, and manage complex, scalable ProCurve-based networks and can implement and support complex secure environments. This certification also has a focus on the use of ProCurve Manager and Identity Driven Manager to configure, monitor, and manage these networks.

Prerequisites

The following requirements are prerequisites for the ASE – ProCurve Network Management Certification.

- AIS – HP ProCurve Networking
- Attend the ProCurve Security v7.31 course and/or pass the associated exam (HPO-Y11)
- Attend the Building ProCurve Resilient, Adaptive Networks v7.41 or later course and/or pass the associated exam (HPO-Y12)
- Attend the ProCurve Network Management v8.11 course and/or pass the associated exam (HPO-Y13)
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Exam Details

At the beginning of the exam, you will be asked to answer several survey questions. The survey questions are designed to assist the exam development team in accurately profiling test results and to improve future exams.

The following are details about the exam:

- **Number of items:** 64
- **Item types:** multiple choice
- **Time commitment:** 105 minutes
- **Passing Score:** 76% (49 items to pass)

- **Reference Material:** No on-line or hard copy reference material will be allowed at the testing site.

Comments on the Exam

During the exam, participants can make specific comments about the items (i.e., accuracy, appropriateness to audience, etc). HP welcomes these comments as part of our continuous improvement process.

Exam Content

The following testing objectives represent the specific areas of content covered in the exam. Use this outline to guide your study and to check your readiness for the exam. The exam measures your understanding of these areas.

Objective	
1.0	Describe the ProCurve ProActive Defense network security framework
<ul style="list-style-type: none"> • Describe the features and architecture of ProCurve Manager • Describe the feature differences between ProCurve Manager and ProCurve Manager Plus • Describe the features of the ProCurve Identity Driven Manager, ProCurve Network Immunity Manager, and ProCurve Mobility Manager components • List the licensing options for ProCurve Manager, Identity Driven Manager, and ProCurve Mobility Manager • Describe the device support of ProCurve Manager • Describe the integration with HP OpenView Network Node Manager 	
2.0	Describe the procedures for installing ProCurve Manager
<ul style="list-style-type: none"> • Describe the procedures for using remote client support • Describe the product registration and licensing process • Describe the procedures for updating ProCurve Manager software 	
3.0	Create additional users to administer PCM
<ul style="list-style-type: none"> • Configure automatic discovery of network devices • Activate the manual discovery of devices 	

Objective

	<ul style="list-style-type: none"> • Add and delete managed subnets for the discovery process • Configure network devices to be discovered
4.0	Organize devices in custom device groups
	<ul style="list-style-type: none"> • Manage devices individually or as a device group • Set device access communications parameters on an individual device or group of devices • Access devices from PCM using the CLI and web interfaces • Use the Find Node and Node to Node Path Trace network tools • Use the Device Log Viewer the Device Syslog event logging facilities
5.0	Describe the ProCurve device software update features of PCM
	<ul style="list-style-type: none"> • Describe how to download software updates for ProCurve devices automatically or manually • Describe how to determine the current versions of software installed • Explain how to set the preferred software version for ProCurve device types • Describe how to use the Software Update Wizard and verify the status of a software update
6.0	Perform device configuration scans
	<ul style="list-style-type: none"> • View and compare configurations • Set configuration labels • Schedule a partial change configuration to a group of devices • Deploy a full configuration • Deploy a template configuration to newly discovered devices • Export or import device configurations
7.0	Add, modify and delete VLANs across a network
	<ul style="list-style-type: none"> • Manage VLANs and port assignments for one or more

Objective

	<ul style="list-style-type: none"> • devices at a time • Enforce VLAN naming consistency • Configure IGMP and GVRP for VLANs
8.0	List the types policies provided by the Policy Manager
	<ul style="list-style-type: none"> • Create policies to manage and configure devices • Use a policy to perform network consistency analysis • List the types of reports that can be generated by PCM+
9.0	List the major reasons for network traffic monitoring and approaches that can be used for network traffic management
	<ul style="list-style-type: none"> • Identify the data collection sources that PCM+ supports for traffic monitoring • Use the Traffic Manager to collect traffic data from switches • Describe the performance information that Traffic Manager can provide • Interpret the traffic gauge and threshold indicators • Examine information about the Top Talkers • Use traffic thresholds and RMON monitoring features to generate events •
10.0	Examine and filter events in the Event browser
	<ul style="list-style-type: none"> • Acknowledge and delete events • View archived events • Ignore and throttle specific event types
11.0	Describe the capabilities of the PCM+ Configurable Integration Platform
	<ul style="list-style-type: none"> • Identify the control files and other components of the Configurable Integration Platform • Describe how additional network devices can be defined to PCM+ • Describe how to customize PCM+ to support additional toolbar buttons and menu items and to use policies for

Objective

	<ul style="list-style-type: none"> • user-defined actions • Describe how to launch third-party applications from within PCM+ • Describe how SNMP traps from third-party devices can be processed by PCM+
12.0	Describe how IDM controls access to network resources
	<ul style="list-style-type: none"> • Describe the main tasks for installing IDM and the IDM Agent • Describe the features of the IDM user interface • Describe the IDM user import tool • Identify the IDM configuration components
13.0	Identify the key steps for configuring IDM
	<ul style="list-style-type: none"> • Describe the configuration elements comprising an Access Policy Group which include users, Access Rules, and Access Profiles • Describe the criteria for defining an Access Rule that includes Time, Location, System, and Integrity • Describe the attributes for defining an Access Profile that include VLAN, QoS, and Bandwidth settings, and Network Access Rules that specify Network Resources that can be accessed • Describe the reporting features available in IDM
14.0	Identify the key PCM Database tables
	<ul style="list-style-type: none"> • Describe the components and requirements for database access using ODBC • Describe how to connect to the PCM Database using ODBC • Describe the components and requirements for database access using MySQL • Create custom reports using a report writer

Recommended Training and Study References

This section lists training courses and documents that can help you acquire a majority of the knowledge and skills needed to pass the exam. You must also gain the practical experience outlined in this guide

You are not required to take the courses listed in this section. However, HP **strongly recommends** that you attend the classes, participate in class labs, and thoroughly review all course material and documents before taking the exam, even if you believe you have sufficient on-the-job experience.

Instructor-Led Training

Use the information in this guide and the practical experience you have gained

Title	Course Number	How to Enroll
ProCurve Network Management (v8.11 or later)	00043832	http://www.hp.com/go/procurvetraining use the regional links to find schedules and registration information

Documentation

Title	Section Title	Source/Order Number
ProCurve Network Management manuals	All manuals	http://www.hp.com/rnd/support/manuals/ProCurve-Manager.htm
ProCurve Identity Driven Manager manuals	All manuals	http://www.hp.com/rnd/support/manuals/IDM.htm

Other Reference Material

Title	Order Number	Source
FAQs, Manuals, Configuration Examples, etc.		http://www.hp.com/rnd/support/

Exam Registration

For information about exam registration, [click here](#).

Sample Test Items

The following examples represent the types of items and question formats that you could see on the exam.

1. Which PCM service manages TFTP transfers between the management server and network devices?
 - A. HP ProCurve Datastore
 - B. HP ProCurve SQL DataServer
 - C. HP ProCurve Security Subsystem
 - D. HP ProCurve Traffic Launch Service
 - E. HP ProCurve Network Manager Server

2. Which PCM service manages the Events log?

- A. HP ProCurve Datastore
- B. HP ProCurve I/O Manager
- C. HP ProCurve Security Subsystem
- D. HP ProCurve Traffic Launch Service

3. Which PCM service manages the collection and storage of device discovery information?

- A. HP ProCurve Datastore
- B. HP ProCurve SQL DataServer
- C. HP ProCurve Security Subsystem
- D. HP ProCurve Traffic Launch Service
- E. HP ProCurve Network Manager Server

4. Which product integrated with PCM+ reports information on rogue AP detection?

- A. Mobility Manager
- B. Identity Driven Manager
- C. Network Report Manager
- D. Network Access Controller

5. Which statement describing the PCM automatic updates feature is correct?

- A. Updates must be installed manually if any PCM services must be stopped.
- B. The device updates properties file is not required to install product updates locally.
- C. Updates for a plug-in to PCM are managed separately through the plug-in's user interface tab.
- D. For updates to be installed from a local folder, the files must be extracted from the bundled file.

6. Which alert type is supported by the Policy Manager?
- A. identity driven
 - B. schedule driven
 - C. device triggered
 - D. discovery based
7. Which PCM service manages TFTP transfers between the management server and network devices?
- A. HP ProCurve Datastore
 - B. HP ProCurve SQL DataServer
 - C. HP ProCurve Security Subsystem
 - D. HP ProCurve Traffic Launch Service
 - E. HP ProCurve Network Manager Server

8. Which PCM service manages the Events log?

- A. HP ProCurve Datastore
- B. HP ProCurve I/O Manager
- C. HP ProCurve Security Subsystem
- D. HP ProCurve Traffic Launch Service

9. Which PCM service manages the collection and storage of device discovery information?

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- B. HP ProCurve SQL DataServer
- C. HP ProCurve Security Subsystem
- D. HP ProCurve Traffic Launch Service
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12. Which alert type is supported by the Policy Manager?

- A. identity driven
- B. schedule driven
- C. device triggered
- D. discovery based

Answers

1. E
2. D
3. A
4. A
5. B
6. B
7. E
8. D
9. A
10. A
11. B
12. B

Conclusion

HP wishes you success in the HP Certified Professional Program and in passing the exam for which you are preparing.