

Building ProCurve Resilient, Adaptive Networks v7.42



At a glance

Building ProCurve Resilient, Adaptive Networks describes techniques for implementing resilient switched and routed converged networks capable of fulfilling the “triple play” requirement of supporting voice, video, and data transmissions on a unified infrastructure. The course will make use of the ProVision family of switches, including the 8212zl, 5400zl, 3500yl, and 6200yl.

Format offered

Four-day, instructor-led class. 50% lecture, 50% hands-on labs.

Audience

ProCurve channel partners and end users

Prerequisites

- *Adaptive Edge Fundamentals* v6.11 or later
- *IP Routing Foundations* v5.21 or later

Elms code

38076

Cost

Cost may vary per region.

Certification

Building ProCurve Resilient, Adaptive Networks prepares participants for one of the required exams for ASE – Accredited Systems Engineer certification within the HP Certified Professional program. The exam number for this course is HPO-Y12. To learn more about ProCurve Training and Certification, visit www.hp.com/go/procurvetraining.

Building ProCurve Resilient, Adaptive Networks

Benefits of attending the course

- Design, deploy, and troubleshoot routed and bridged networks using industry-standard protocols, focusing on RIP, OSPF, VRRP, and MSTP
- Design, deploy, and troubleshoot “Triple Play” networks Layer 2 and Layer 3 prioritization and QoS features
- Design, deploy, and troubleshoot IPv4 multicast technology, including IGMP, PIM-Sparse, and PIM-Dense
- Understand the applications, configuration, and troubleshooting procedures for LLDP/LLDP-MED

Topics covered

- Resiliency and redundancy features of ProCurve Switch 8212zl
- Providing redundant links and default gateways with MSTP/VRRP
- RIP and OSPF routing
- Layer 2 and Layer 3 QoS
- IGMP, PIM-Sparse, PIM-Dense

Student performance objectives

After completing *Building ProCurve Resilient, Adaptive Networks*, students will be able to:

- Describe ProCurve strategies for providing the resilience and adaptivity necessary to support VoIP and other converged applications
- Describe the proper deployment and use of the ProCurve 3500yl, 6200yl, 5400zl, and 8212zl switches
- Describe the operation and functionality of redundant management modules and resilient fabric modules in the ProCurve Switch 8212zl
- Given a set of customer requirements, design, deploy, and configure redundancy solutions that combine MSTP and VRRP, using ProVision ASIC switches
- Given a set of customer requirements, design an IP network addressing and routing scheme based on ProCurve switches
- Given a set of customer requirements, configure, monitor, and troubleshoot RIP and OSPF on the ProVision ASIC switches
- Given a set of customer requirements, design, deploy, and configure a QoS solution using ProVision ASIC switches
- Given a set of customer requirements, design, deploy, and configure an IP multicast solution using IGMP and PIM-Sparse or PIM-Dense on ProVision ASIC switches

To find out more about ProCurve Networking products and solutions, visit our web site at

www.procurve.com



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