



HPE Serviceguard on Linux for HP-UX Administrator H4C11S

This course is designed for experienced Serviceguard on HP-UX administrators who will be implementing Serviceguard A.12.00 on Linux. Topics include the major differences between the implementations, in particular the installation of Serviceguard, the active/standby LAN interface mechanism using Linux NIC bonding and LVM volume group activation using hosttags. The course is 50 percent lecture and 50 percent hands-on labs using Linux version RHEL 6.4.

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Price USD \$1,600

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # H4C11S

Category HP-UX / HP Integrity

Duration 2 days

Audience

- Experienced Serviceguard on HP-UX system administrators who may have attended HP Serviceguard I (H6487S) or have equivalent HP Serviceguard administration experience

Prerequisites

- HP-UX System and Network Administration I (H3064S) and HP-UX System and Network Administration II (H3065S) or
- HP-UX System and Network Administration for Experienced UNIX® System Administrators (H5875S) and
- HP-UX Logical Volume Manager (H6285S) and
- Linux administration experience, although useful, is not essential

Course objectives

At the conclusion of this course you should be able to:

- Configure a Serviceguard cluster and packages on Linux
- Understand the differences between Serviceguard on HP-UX and Linux
- Configure an Oracle 11gR2 database package using the Oracle toolkit, the cluster simulator, and analytics utilities

Benefits to you

- Protect your mission critical applications against a wide variety of hardware and software failures through effective use of Serviceguard on Linux
- Reduce your application downtime to near zero by learning how to configure your Serviceguard cluster and using Serviceguard's rolling upgrade facility
- Minimize, and in some instances eliminate, your application downtime by learning how to automate the detection of failures and restoration of application service

Course outline

Introduction

- Objectives
- Prerequisites
- What the course IS and IS NOT

Linux Device Files

- Disk storage
- Partitions and swap
- /proc
- Network interfaces

Storage for Serviceguard

- Disk storage management overview
- Persistent reservations using SCSI-3
- Review of LVM concepts
- Configure a shared LVM volume group
- Review of VxVM concepts
- Configure a shared VxVM data group
- Configure and use hosttags
- HP-UX and Linux VG activation differences

Channel Bonding in Linux

- Standby LAN differences in HP-UX and Linux
- HP-UX active/standby LAN
- Linux active/standby LAN using channel bonding
- Configuring Linux channel bonding

Serviceguard Install

- Software installation differences in HP-UX and Linux
- Prerequisite software packages for HP Serviceguard A.12.00
- Install Serviceguard A.12.00
- Using 'cmeasyinstall'
- Install and configure the Serviceguard Quorum server
- Install Serviceguard Manager

Serviceguard HP-UX Linux Differences

- Network discovery and monitoring
- Volume management
- File systems
- Configure a shared LVM volume group
- Serviceguard directories and files

Cluster Configuration

- Steps to configure a Serviceguard cluster
- Configure a LockLun
- Convert a running cluster to use a Quorum server
- View the cluster status
- The cluster log file

Packages and Services

- Review package concepts
- Modular packages
- Create and configure a Serviceguard package using shared storage
- The package log file
- Configure and use hosttags

Serviceguard Toolkits

- Describe the available Serviceguard on Linux toolkits
- Using the Oracle toolkit to create an Oracle 11gR2 package
- Testing the Oracle package

Cluster Simulation

- Investigate the simulator interface and actions

Cluster Analytics

- Install the Analytics utility
- Display data collected by Serviceguard Cluster Analytics

Serviceguard Manager

- Discuss the components of Serviceguard Manager
- Navigate the Serviceguard Manager interface

Learn more at

hpe.com/us/training/hpux

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