Hewlett Packard Enterprise

HPE NonStop Server Administration III H1SC5S

This HPE NonStop Administration course completes the trilogy to make you familiar with administering an HPE NonStop System. In this 5 day class we discuss how to start up, configure, manage, and shut down your NonStop server and its subsystems. This includes changing system configuration with recovery to a previous setup, if necessary. The management of the HPE NonStop server current performance and planning for future growth is discussed. The course is 70% lecture and 30% hands on labs using HPE servers.

HPE course number	H1SC5S
Course length	5 days
Delivery mode	ILT, VILT
View schedule, local pricing, and register	**View now**
View related courses	**View now**

Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and (ISC)2
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

Audience

System Operators, System Administrators, Systems Analysts, Technical Support Analysts

Prerequisites

Before attending this course, students must have:

- NonStop Server Administration II or equivalent course

Course objectives

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

- Understand the NonStop server hardware and software architecture
- Start up, configure, manage, and shut down your NonStop server and its subsystems
- Change system configuration and recover to a previous setup
- Manage the Integrity NonStop server performance with planning for future growth

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Detailed Course Outline

Module 1 - Course Overview		
Module 2 – Server Management Functions	• Good Server Management • The Characteristics of your environment	• Introduction to System Management on HPE NonStop systems
Module 3 – NonStop Operating System Configuration	• NonStop Operating System and DSM/SCM • System Shutdown and Cold Load procedures (CIIN Startup) • Firmware Updates	• Kernel Managed Swap File • TFDS • Independent products
Module 4 – Managing Processes	• EMS Subsystem Review • Process Creation and Characteristics • OLTP Characteristics	• Managing Processes • Persistent Processes
Module 5 – Managing NonStop Subsystems	• Major Management/Control Area • Netbatch • Spooler	• Safeguard • The OLTP Environment • Nonstop TMF Management and Planning
Module 6 – Managing Storage	• Storage Clim Overview • SAS Hard Disk Drives • Lun Manager • Write Cache Enable • Storage Configurations + Pools	• Managing Disk Partions • Managing Data Encryption • Managing Disk Drives • Tapes and Mediacom • Remote Database Facility (RDF)
Module 7 – Managing Cluster IO Modules (CLIMS)	• Naming convention • Add/ Start CLIM • Info/ Status CLIM • Linux Events	• Using CLIMCMD • CLIM backup and restore • Firmware update
Module 8 – Configuring Network CLIMS	• Describe the network layout • Perform the initial system configuration • Describe the CIP configuration • Define the network configuration	• Determine the application configuration • Verify the configuration • Save the configuration
Module 9 – Database Management	• SQL/ MP and SQL/MX Management	
Module 10 – Performance and Capacity Management	• Monitoring the system with Measure	• Tandem Capacity Model
Module 11 – System Recovery Scenario	• Review possible critical failure scenarios • Discuss possible backup and prevention measures	• Discuss possible recovery scenarios

Learn more at
hpe.com/ww/learnnonstop

Follow us:

© Copyright 2017 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. The OpenStack Word Mark is either a registered trademark/service mark or trademark/service mark of the OpenStack Foundation, in the United States and other countries and is used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation or the OpenStack community. Pivotal and Cloud Foundry are trademarks and/or registered trademarks of Pivotal Software, Inc. in the United States and/or other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions.

c05264083, September 2017, H1SC5S A.00

Hewlett Packard
Enterprise