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Delivery mode	ILT
Course length	4 days
HPE course number	U4150S

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DSM/SCM Operations and Management for HPE NonStop Systems U4150S

This course provides the student with the foundation and basic skills necessary to install and configure both host and target DSM/SCM systems. Additionally, they will learn the basic skills necessary to use the five DSM/SCM block mode interfaces, and two GUI interfaces. This four-day course is 50 percent lecture and 50 percent hands-on labs using the DSM/SCM environment.

Audience

- HPE NonStop System Managers
- Technical Support
- Senior Operation Personnel

Prerequisites

- HPE NonStop S-series Server Administration I (U5448S) and NonStop S-series Server Administration II (U5449S) or
- HPE NonStop NS-series Server Administration I (U8528S) and HPE NonStop NS-series Server Administration II (U8638S) or
- Equivalent system management experience and
- Experience with general software installation procedures
- Although not absolutely necessary, experience with Pathway, HPE NonStop TMF, HPE NonStop SQL/MP, and RSC and/or Winsock products would be beneficial
- Know how to use HPE NonStop Essentials with HPE Systems Insight Manager

Course objectives

- Install and configure DSM/SCM on both host and target systems, and install and configure the Planner Interface on a PC workstation
- Correctly use the Planner Interface to perform all activities related to managing software configuration on multiple target systems
- Correctly use the Target Interface to manage DSM/SCM activities on a target system
- Correctly use the Archive and Database Maintenance Interface to manage and maintain both the archive and databases associated with a host and target environment
- Correctly use the CNFGINFO tool to build or modify file and product attributes for software managed by DSM/SCM
- Correctly perform the activities required on the target system to activate the new software
- Correctly perform the activities required to back out to the previous revision
- Correctly use the ZPHIUTL diagnostic utility

Benefits to you

- Become familiar with DSM/SCM architecture, interfaces, and procedures
- Gain skills needed to optimize HPE NonStop systems so users experience smooth functioning IT operations
- Gain valuable hands-on experience executing the software updating process on the emulator

Detailed course outline

Lippa comparison of the module subjects will be able to: - Describe the primary security in a DSMSCM environment Module 2: DSM/SCM Process Flow - Module 2 documents in a Anthony, building and applying a new software revision on a trage system. Centing and humaning in a security time in a module system in the activities in a workney environment. - Describe the DSMSCM process flow Module 2: DSM/SCM Process Flow - Module 2 documents in a workney environ on the sayed system central and humaning a sayed both the sayed in a hypical DSM/SCM process flow - Describe the DSMSCM process flow Module 3: The NorStop Software Essentials - Module 3 documents in a document in a bit searches, brow the NorStop Software Essentials in the relative in a bit searches, brow the low for the sayed in a hypical DSM/SCM process flow - Building and applying a new software revision. Module 3: The NorStop Software Essentials - Module 3 documents in a bit searches, brow the NorStop Software Essentials in workney ervision. - Building and applying a new software revision. Module 4: The CNFGNPO Tool - Module 4 documents in purst in the archive every documents in a bit searches. - Describe the control revision. - Describe the control revision. Module 4: The CNFGNPO Tool - Module 4 documents in the archive every documents in a document in the start into the software integration. - Specifying file information. - Specifying file information. Module 5: The Archive and Database Maintenament - Module 4 documents in the archive every and documents in the	Module 1: Introduction to DSM/SCM	Module 1 provides an overview of the DSM/SCM product. Upon completion of this module, students will be able to:	State the names and functions of the two GUI interfaces
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Applying software to the target Enabling a DSM/SCM trace		Entering/exiting the TI	Creating a system report
		Applying software to the target	Enabling a DSM/SCM trace

Module 7: Activating New Software on the Target System	 Module 7 discusses and describes the activities you must perform on the target system to activate new software. Upon completion of this module and its lab exercise, students will be able to: Define activation of the new software 	 Explain the activities of using/running the ZPHIRNM program Explain how and why DSM/SCM uses fabricated name, as well as all standard operator instructions
Module 8: Installing DSM/SCM	 Module 8 discusses and describes the procedures for the initial installation and setup of DSM/SCM and its supporting products on the host and target systems and on your PC. Upon completion of this module and its lab exercise, students will be able to: Explain the DSM/SCM installation activities: Preparing for installation Defining your DSM/SCM environment 	 Installing DSM/SCM using Install Running INITENV Initializing the DSM/SCM databases using the MIs Setting up the PC environment (PI) Using the PI to define initial configurations Starting and stopping DSM/SCM
Module 9: DSM/SCM Management Considerations	 Module 9 presents DSM/SCM management issues and considerations as they relate to the installation and use of DSM/SCM on an S-Series server, and refers the student to the appropriate procedures when necessary. It is intended as a high-level discussion of the issues mentioned below. upon completion of this module, students will be able to: Define DSM/SCM management issues of HPE NonStop 	 Changing the NonStop S-series server system name and/or number Changing the NonStop S-series server system name in the DSM/SCM client Reinitializing the host as a target Adding dicks
	 Define DSM/SCM management issues of the Endhalop servers Define DSM/SCM series NonStop server configuration change management issues Changing pre-configured DSM/SCM attributes 	 Adding disks Moving the archive Understanding Sysgen considerations SIT tapes OSS considerations
Module 10: Helpful Tools and Cloning	 Module 10 describes the use of ZPHIUTL as a diagnostic and information gathering tool. Upon completion of this module, students will be able to: Describe the use of the ZPHIUTL utility Describe procedures for validating correct SYSnn Describe procedures for displaying contents of ZPHIRNM work files 	 Describe procedures for displaying contents of the AOCINFO file Describe the use of the CLEANOSS tool Describe the use of the SPRCHECK tool Describe the use how to simplify Installation and Management of multiple identical NonStop Servers
Module 11: DSM/SCM Best Practices and Operational Considerations	 Module 11 discusses and describes some best practices and operational considerations learned from early internal and external customers of the DSM/SCM product. Upon completion of this module, students will be able to: Explain the DSM/SCM best practices/operational considerations of: What not to forget Volume name considerations Multiple logical target considerations Disk space considerations Disk cleanup considerations 	 Database move considerations Backout considerations SYSnn considerations Installing IPMs outside DSM/SCM Forced SYSGENs Network security considerations Running IPM6031 Archive Cleanup
Onsite Delivery Equipment Requirements	 HPE NonStop server with DSM/SCM host system with Pathway, TMF, and SQL installed and DSM/SCM host system software capable of supporting target system Planner Interface and CNFGINFO PC installed and connected to the host via Winsock HPE NonStop S-series or Integrity NS-series target system that is expand-connected to the host system and can be initialized in lab environment 	 Projecting equipment, computer to display MS PowerPoint slides, and access to a TACL process Student computers with access to a TACL process

Next steps

• Consider attending the other optional and advanced learning courses in the HPE NonStop Operations Management curriculum

Learn more at <u>hpe.com/ww/learnnonstop</u>

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