Hewlett Packard Enterprise

Pathway System Management I for HPE NonStop Systems U4194S

This course will let you get the practical, hands-on experience you need to configure, modify, monitor, and maintain a Pathway system. By the end of the course, you will understand the major Pathway system management functions and have implemented them on an actual system.

HPE course number	U4194S
Course length	3 days
Delivery mode	ILT
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Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
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- 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 Managers

Prerequisites

- Concepts and Facilities (U4147S)
- Knowledge of the HPE NonStop server requester-server concept

Course objectives

At the end of this course, you will be able to perform the following tasks to manage a Pathway system:

- Describe the components of the Pathway environment and how they relate to an online transaction processing application
- Configure, start, stop, and monitor the components of a Pathway system
- Use the utilities necessary in Pathway system management
- Add terminal control processes (TCPs), terminals, and server classes to a running Pathway system
- Diagnose and fix problems that occur during the running of a Pathway system
- Describe the Pathway/iTS subsystem and interaction with iTP WebServer
- Configure and understand server to server communication using Pathsend

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, October 2017

Detailed course outline

Module 1: Pathway Introduction	• Online transaction processing (OLTP) in the HPE NonStop server environment • The requester-server approach to online transaction processing • The Pathway application and its role in online transaction processing • Components of the Pathway operational environment • Tasks a Pathway system manager performs
Module 2: Establishing an Initial Pathway Configuration	• Objects in a Pathway system • Difference between global and object-specific configuration parameters • Configuring the global and object-specific parameters • Building an initial Pathway configuration file • Lab exercise: Establishing an Initial Pathway Configuration
Module 3: Performing Pathway Operational Tasks	• Interfaces in a Pathway system • How to start PATHMON and PATHCOM processes • Cold starting and cool starting a Pathway system • Starting and stopping the Pathway objects individually • Monitoring and maintaining a Pathway system • Shutting down a Pathway system • Lab exercise: Performing Pathway Operational Tasks
Module 4: Refining Your Pathway Configuration	• The importance of Pathway configuration • Use of SET commands to configure required and optional parameters on Pathway objects • Configuring Pathway objects using production-type parameters • Lab exercise: Refining Your Pathway Configuration
Module 5: Managing and Maintaining a Pathway System	• Tasks performed by a Pathway system manager • Using PATHCOM commands to maintain a Pathway system, and diagnosing and fixing problems in a running Pathway system • Lab exercise: Managing a Running Pathway System • Lab exercise: Resolving Pathway Problems
Module 6: Managing Applications	• Major issues relating to managing application code in a Pathway environment • Practical guidelines for configuring, managing, and monitoring Pathway systems • Collecting Pathway performance information • Lab exercise: Managing Application Code
Module 7: Managing Related NonStop Products	• The purpose of HPE NonStop server products related to Pathway applications • Management-related issues associated with these products
Appendix A—Tables	• File Status Codes Augmented by Guardian-Err • Application Profile • SCREEN-COBOL Send Error Numbers • Recognizing the Source of Messages on Your Log Terminal • One 6530 terminal emulator capable of multiple sessions with the HPE NonStop server, and having projection capability, for the instructor
Onsite-Delivery Equipment Requirements	• A S-series, or Integrity NonStop server with minimum configuration of 2 CPU • NonStop operating system, version G06.24 or later NonStop S-series servers, H06.06, J06.03 or later for HPE NonStop Integrity servers • HPE NonStop TS/MP, Pathway TS, HPE NonStop Transaction Management Facility (TMF), and COBOL85 software • One 6530 terminal emulator capable of multiple sessions with the HPE NonStop server per student • One 6530 terminal emulator capable of multiple sessions with the HPE NonStop server, and having projection capability, for the instructor

Learn more at
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