



Pathway System Management I for HPE NonStop Systems U4194S

HPE course number	U4194S
Course length	3 days
Delivery mode	ILT
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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.

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

Detailed course outline

Module 1: Pathway Introduction	<ul style="list-style-type: none"> • Online transaction processing (OLTP) in the 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The purpose of NonStop server products related to Pathway applications • Management-related issues associated with these products
Appendix A—Tables	<ul style="list-style-type: none"> • 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 NonStop server, and having projection capability, for the instructor
Onsite-Delivery Equipment Requirements	<ul style="list-style-type: none"> • 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 NonStop Integrity servers • NonStop TS/MP, Pathway TS, NonStop Transaction Management Facility (TMF), and COBOL85 software • One 6530 terminal emulator capable of multiple sessions with the NonStop server per student • One 6530 terminal emulator capable of multiple sessions with the NonStop server, and having projection capability, for the instructor

Course data sheet

Learn more at
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