

# HP Education Services

Pathway System Management for NonStop Systems (U4194S)



This 3-day lecture 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 HP NonStop server requester-server concept

## Course Objective

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

## Benefits to You

- Understanding the Pathway environment
- Performing Pathway operations and management tasks
- Establishing and refining your Pathway configuration
- Troubleshooting Pathway systems
- Managing applications and products related to Pathway

## Why education services from HP?

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**Course Title:** Pathway System Management for NonStop Systems

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**HP Product Number:** U4194S

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**Category/Subcategory:** NonStop/Systems and Operations Management

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**Course Length:** 3 Days

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**Level:** Intermediate

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**Delivery Language:** English

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**To Order:** You can order this course online at <http://www.hp.com/learn>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

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**Next Steps:** Pathway Performance Workshop course (U4193S)

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## Detailed Course Outline

### Module 1 Pathway Introduction

- 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

- 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: Create a basic Pathway configuration file for a simple Pathway environment

### 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

### 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: Configure Pathway objects with configuration parameters similar to those used in production-type environments

### 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: Perform management operations on a running Pathway system
- Lab exercise: Troubleshoot problems that might occur in a running Pathway system

### 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: Perform tasks related to managing application code

### Module 7 Managing Related NonStop Products

- The purpose of NonStop server products related to Pathway applications
- Management-related issues associated with these products

### Appendix A - ACS and NonStop TS/MP 2.1

- What is TS/MP 2.1?
- Architecture
- ACS management subsystem
- Installation
- Errors and events logging

### Onsite-Delivery Equipment Requirements

- A K-series, S-series, or Integrity NonStop server
- Six processors (two minimum), 16 MB each
- NonStop operating system, version D20 or later for NonStop K-series servers, or any Gxx version for NonStop S-series 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

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