HP acceSS7 System Troubleshooting Course

Technical Data

Course Overview

It is essential that the acceSS7 system is continually monitoring the SS7 network collecting data. If for any reason the system develops a fault, it is essential that the nature of the problem can be identified and corrected as quickly as possible to minimize any acceSS7 down-time. This 1 day lecture and lab course prepares the student to resolve acceSS7 problems quickly and efficiently.

This course also gives a thorough grounding in the hardware and software aspects of the acceSS7 system. It allows students to troubleshoot potential acceSS7 faults down to the hardware board and software module level.

What You Will Learn
In this class you will learn how to:

• Use the System Status Log

• Interpret Exception Logs

• Use the acceSS7 Diagnostics Tool

• Use the E4251A Card Cage Test Shell

• Trouble shoot the acceSS7 communications network

• Interpret the E4251A Card Cage LEDs

Specifications

Course Length
1 day

Audience
This course is intended for system administrators or other personnel who will be responsible for diagnosing and pinpointing problems with acceSS7 software and/or hardware..

Prerequisites
• UNIX System Basics

• HP UX System Administration for the HP 9000 Series 700/800

• HP acceSS7 Operator Training

• HP acceSS7 System Administration Training

Delivery Method
Classroom, Dedicated

Format
Lecture/Lab

Classroom Training Benefits

Experienced HP Instructors
Learn from an experienced HP instructor.

Available at HP Classrooms, or Your Site
Take advantage of HP's learning facilities, equipment, and interactive learning environment by attending class at an HP facility.

Or, save travel expenses and time by attending a dedicated class.

Regularly Scheduled Classes
Plan training months in advance.

Extensive Hands-on Practice
HP classroom training is characterized by extensive hands-on experience and interactive class discussion. HP classroom training pays off immediately because it is geared to real-world solutions.

Comprehensive Student Materials
Copies of course materials are provided for future reference on the job.

HP acceSS7 System Troubleshooting Course (H7213A opt. 301)

Course Agenda

- Overview of Training Course
- System Status Tool
  - Error log file
  - Interpreting System Status log entries using the acceSS7 Troubleshooting Guide
  - Bad IFPCs List
  - Bad Sites List
  - Previous Alarm Log
  - Resetting relay outputs
- Interpreting Exception Logs
  - Using the 'dmpexep' utility
  - Interpreting the Exception logs using the Troubleshooting Guide
- Using the 'a7diag' Diagnostics tool
  - Running IF card tests
  - Displaying Firmware Rev codes
  - Identify card types in the Cardcage
  - Display cardcage alarm status
  - Display card alarm status
  - Display IFPC synch statistics
  - Display IFPC processes status and comms
- Using the Cardcage Test shell
  - XComms tests
  - IFPC tests
  - Interface Card tests

Course Number: H7213A opt. 301 (Scheduled)

- Network troubleshooting
  - Central Site Communications Failure
  - Remote Site Communications Failure
  - IFPC Communications Failure
  - TCP-IP or acceSS7 Comms Failure
  - Interface Card Tests
- Interpreting acceSS7 Hardware LEDs
  - Power Supply LEDs
  - XComms card Alarm LEDs
  - XComms card Power Supply LEDS
  - IFPC LEDS
  - Interface card LEDs

Ordering Information

To order the HP acceSS7 System Troubleshooting Course (H7213A opt. 301) in the U.S. call 1-800-593-6632.

HP's Customer Registration Center can provide you with price and enrollment information about scheduled courses or a dedicated course which can be customized to meet your specific needs.

Outside the U.S., contact your nearest local HP sales office.