

Make the Transition to Solaris 10 (PK-SA-210-S10)



Course Description

This product package is comprised of a three-day instructor-led class, SA-210-S10 and a 4 hour self-paced web course, WSB-210-S10. This course provides the essential differences between Solaris 8, Solaris 9 and Solaris 10. The course covers skills and tasks that are new in Solaris 10, and changed in Solaris 10. The course also covers tasks in Solaris 10 that replace previous Solaris tasks. This course is intended to provide experienced Solaris 8 and Solaris 9 systems administrators with practical experience administering Solaris 10 through hands-on practice and focuses on many of the objectives necessary to prepare them to take the Sun Certified System Administrator for the Solaris 10 Operating System Upgrade Exam (CX-310-203).

Package Components

- Make the Transition to the Solaris 10 Operating System (SA-210-S10) includes
- Solaris 10 Differences from the Solaris 8 and Solaris 9 Operating Systems (WSB-210-S10) – eLearning Module

Make the Transition to the Solaris 10 Operating System (SA-210-S10)

The Make the Transition to the Solaris 10 Operating System course presents the essential differences between the Solaris 8, Solaris 9 and Solaris 10 Operating Systems. The course covers skills and tasks that are new or are changed in Solaris 10. The course also covers tasks in Solaris 10 that replace previous Solaris tasks. This course is intended to provide experienced Solaris 8 and Solaris 9 systems administrators with practical experience administering Solaris 10 through hands-on practice and focuses on many of the objectives necessary to prepare them to take the Sun Certified System Administrator for the Solaris 10 Operating System Upgrade Exam (CX-310-203).

Who Can Benefit

Students who can benefit from this course are experienced Solaris 8 and Solaris 9 Systems Administrators who need to understand the essential differences in Solaris 10. Systems Administrators holding valid Solaris 8 and/or Solaris 9 Sun Certified Solaris Systems Administrator certification can use this course to prepare for the Sun Certified System Administrator for the Solaris 10 Operating System Upgrade Exam (CX-310-203).

Prerequisites

To succeed fully in this course, students should be certified system administrators on the Solaris 8 or Solaris 9 operating systems.

Skills Gained

Upon completion of this course, students should be able to:

- Administer the Service Management Facility
- Install the Solaris 10 OS
- Install Software in the Solaris 10 OS
- Manage Solaris 10 OS patches and updates
- Perform user and security administration in the Solaris 10 OS
- Manage processes in the Solaris 10 OS
- Describe networking basic in the Solaris 10 OS
- Manage virtual file systems and core dumps in the Solaris 10 OS
- Manage storage volumes in the Solaris 10 OS
- Control system access in the Solaris 10 OS
- Configure system messaging in the Solaris 10 OS
- Set up naming services in the Solaris 10 OS
- Perform advanced installation procedures like jumpstart and flash installation in the Solaris 10 OS

Related Courses

After:

- Solaris 10 New Features for Experienced Solaris System Administrators (SA-225-S10)
- Solaris 10 Containers (SA-230-S10)
- Solaris System Performance Management (SA-400)

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Course Content

Module 1 - Managing Services Using With the Service Management Facility (SMF)

- Identify features of the Service Management Facility (SMF)

Module 2 - Introducing the Solaris OS Directory Hierarchy

- Identify changes to the Solaris OS Directory Hierarchy in the Solaris 10 OS

Module 3 - Managing Local Disk Devices

- Identify changes to the format command.
- Implement EFI disk labels.
- Identify changes to the behavior of the devfsadm command.

Module 4 - Managing the Solaris OS File System

- Identify changes related to pseudo file systems.
- Describe features of the Multiterabyte UFS
- Describe changes related to logging in UFS
- Describe the default behaviour and output of the mount command with respect to logging in the UFS.
- Describe the meaning of the devices flag of the mount command

Module 5 - Installing the Solaris OS

- Describe the installation methods available for the Solaris 10 OS.
- State the installation requirements for the Solaris 10 OS.
- Describe additional software groups introduced in the Solaris 10 OS.

Module 6 - Introducing the Fundamentals of Package and Patch Administration

- Describe how signed packages and patches are implemented
- Implement patch management using the Sun Update Connection Services including the Sun Update Manager application, the smpatch command line, and the Sun Update Connection hosted Web application

Module 7 - Performing User Administration

- Describe differences in Administering Users

Module 8 - Performing System Security

- Describe differences in Securing the Solaris 10 OS

Module 9 - Configuring and Using Printer Services

- Identify network printing fundamental changes
- Configure and administer printer services

Module 10 - Describing Network Basics

- Describe Network Interface Configuration Changes
- Describe Changes to the Client-Service Model

Module 11 - Managing Crash Dumps, Core Files and Paging

- Describe the differences in the coreadm command from Solaris 9 to Solaris 10.
- Describe MPSS

Module 12 - Configuring NFS

- Describe the differences in the Network File System in Solaris 8, 9, and 10
- Describe the enhancements to Network File System version 4 (NFS version 4)

Module 13 - Configuring AutoFS

- Describe new map entries with AutoFS

Module 14 - Configuring Solaris Volume Manager Software

- Describe Solaris Volume Manager software concepts
- Build a RAID-0 (concatenated) volume
- Build a RAID-1 (mirror) volume for the root (/) file system

Module 15 - Controlling Access and Configuring System Messaging

- Describe the effect of the /etc/inet/ipnodes file on the loghost variable.
- Describe generic log rotation

Module 16 - Using Naming Services

- Describe differences in the name service switch file
- Describe differences in the LDAP name service

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Module 17 - Configuring the Custom JumpStart Procedure

- Describe differences in Boot Services
- Describe differences in Identification Services
- Describe differences in Configuration Services
- Describe differences in Installation Services

Module 18 - Performing a Flash Installation

- Describe the Flash installation feature
- Manipulate a Flash archive
- Use a Flash archive for installation

Module 19 - Using Live Upgrade

- Create an alternate boot environment cloned from a running system
- Create a differential flash archive in a Live Upgrade boot environment
- Create an empty alternative boot environment and understand when this is necessary
- Extend a base boot environment with a differential flash archive

Module 20 - Introducing WANboot

- Perform a WANboot Flash installation

Solaris 10 Differences from the Solaris 8 and Solaris 9 Operating Systems (WSB-210-S10) – Web Based

The Solaris 10 Differences from the Solaris 8 and Solaris 9 Operating Systems course provides the student with the necessary knowledge and skills to perform the core system administration tasks that are described in the STS-276-S10 course on an x86 architecture. Additionally, it provides students with instruction about identifying authentication and security changes found in Solaris 10 including changes to password checking, features of least privilege, SCF, hardware acceleration for Internet Key Exchange (IKE) and IP filter firewall.

Who Can Benefit

Students who can benefit from this course are experienced UNIX system administrators and Solaris system administrators.

Prerequisites

To succeed fully in this course, students should be able to administer a UNIX Operating System.

Skills Gained

Upon completion of this course, students should be able to:

- Install the Solaris operating system and administer software packages and patches
- Demonstrate familiarity with Boot PROM commands
- Perform boot and shutdown procedures on a Solaris system
- Reconfigure devices on a Solaris system
- Administer user accounts, including configuration of Role-Based Access Control using the command line and the Solaris Management Console (SMC)
- Demonstrate proficiency using the Solaris Volume Manager
- Describe special file systems available in Solaris, and configure NFS and Autofs
- Understand basic concepts related to Solaris Zones
- Configure DNS and LDAP clients on Solaris systems
- Implement NIS on Solaris systems
- Identify changes to Password Checking
- Identify features of Least Privilege for Solaris
- Identify changes to Kerberos
- Explain the Solaris OS Cryptographic Framework (SCF)
- Understand the Hardware Accelerator for Internet Key Exchange

Course Content

This product is a bundle of the following web courses:

- WS-276-S10: Solaris Operating System Administration for Experienced UNIX Administrators x86 Differences
- WS-2280-S10: Solaris 10 Security

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