

Solaris 10 Containers (SA-230-S10)

Course Description

The Solaris 10 Containers course describes the Solaris Zones and resource pools features found in the Solaris 10 Operating System (Solaris 10 OS). Topics include zone features and concepts, configuring zones, resource pools and using the zonecfg command.

LAB INFORMATION: The hands-on labs offered in this course will either use equipment present in the classroom, or involve accessing equipment that resides at a location other than where the training is delivered through a network terminal session. If the labs run remotely, students will not have physical access to the equipment on which the labs run.

Who Can Benefit

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

Prerequisites

To succeed fully in this course, students should be able to administer the Solaris 10 Operating System.

Skills Gained

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

- Identify the different zones features
- Understand how and why zone partitioning is used
- Configure, install, and boot zones
- Associate zones with resource pools
- Manage packages in systems with zones installed
- Backup and restore zones
- Backup and restore zone configurations
- Understand upgrade capabilities with zones installed
- Configure resource pools
- Configure CPU fair resource scheduling

Related Courses

Before:

- SA-200-S10: System Administration for the Solaris 10 Operating System Part 1 (SA-200-S10)
- SA-202-S10: System Administration for the Solaris 10 Operating System, Part 2 (SA-202-S10)

After:

- SA-225-S10: Solaris 10 Features for Experienced Solaris System Administrators (SA-225-S10)
- VC-SA-227-S10: Solaris 10 Predictive Self-Healing (VC-SA-227-S10)
- VC-SA-228-S10: Solaris 10 Security (VC-SA-228-S10)

Content

Introduction to Solaris Zones

- Describe the features of zones
- Describe the concepts of zones
- Describe zone daemons
- Describe zone file systems
- Describe zone networking
- Describe zone states

Configuring zones

- Identify zone components
- Configure zone resources
- Use the zonecfg command to configure zones
- Identify the zonecfg command scope
- Use zonecfg subcommands
- Use zonecfg resource parameters
- Viewing the zone configuration
- Use the zoneadm command
- Verify a configured zone
- Install a configured zone
- Boot a zone
- Log in to the zone console
- Halt a zone
- Reboot a zone
- Log in to and work with zones
- Install packages in zones
- Delete a zone

Zone Backup, Recovery, and Upgrades

- Create backups on systems with zones installed
- Relate non-global zone configurations to backup and recovery requirements
- Make zone backups from the global zone
- Make backups from within a non-global zone
- Understand limitations on backing up loopback file system directories
- Save and restore non-global zone configuration information
- Recover individual non-global zones
- Understand upgrade capabilities for systems with non-global zones installed
- Describe limiting profile keywords when upgrading with non-global zones installed

Using Features of Dynamic Resource Pools

- Describe configuring zone resources
- Create dynamic resource pools
- Configure resource pools using the poolcfg command
- Describe physical memory control using the resource capping daemon

REGISTRATION AND INFORMATION

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