

## **System Administration - Solaris 10 Operating System, Part 2 (SA-202-S10)**

### **Course Content**

#### **Module 1 - Managing Swap Configuration**

Configure swap space

#### **Module 2 - Managing Crash Dumps and Core Files**

Manage crash dump behavior  
Manage core file behavior

#### **Module 3 - Configuring NFS**

Describe the benefits of NFS  
Describe the fundamentals of the NFS distributed file system  
Manage an NFS server  
Manage an NFS client  
Enable the NFS server logging  
Manage NFS with the Solaris Management Console storage folder tools  
Troubleshoot NFS errors

#### **Module 4 - Configuring AutoFS**

Describe the fundamentals of the AutoFS file system  
Use automount maps

#### **Module 5 - Describing RAID**

Describe RAID

#### **Module 6 - 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 7 - Configuring Role-Based Access Control (RBAC)**

Describe RBAC fundamentals  
Describe component interaction within RBAC  
Manage RBAC by using the Solaris Management Console  
Manage RBAC by using the command line

## **Module 8 - Configuring System Messaging**

- Describe the fundamentals of the syslog function
- Configure the /etc/syslog.conf file
- Configure syslog messaging
- Use the Solaris Management Console log viewer

## **Module 9 - Using Name Services**

- Describe the name service concept
- Describe the name service switch file /etc/nsswitch.conf
- Describe the name service cache daemon (nscd)
- Get name service information

## **Module 10 - Configuring Name Service Clients**

- Configure a DNS client
- Configure an LDAP client

## **Module 11 - Introduction to Zones**

- Identify the different zones features
- Understand how and why zone partitioning is used
- Configure zones
- Install zones
- Boot zones
- Move a zone
- Migrate a zone
- Delete a zone
- Administer packages with zones
- Upgrade the Solaris 10 OS with installed zones
- Use 1x Branded Zones

## **Module 12 - Introduction to LDAP**

- Understand the use of LDAP as a naming service
- Describe basic LDAP concepts and terminology
- Identify the Directory Server Enterprise Edition requirements
- Identify Solaris LDAP Client requirements

## **Module 13 - Configuring JumpStart Installation Using the Solaris 10 Operating System**

- Describe the JumpStart configurations
- Implement a basic JumpStart server for SPARC® and x86/x64 clients
- Describe booting x86/x64 systems using the Preboot Execution Environment (PXE)
- Set up a DHCP server to support x86/x64 JumpStart clients
- Set up JumpStart software configuration alternatives
- Set up JumpStart to create a ZFS mirrored root pool
- Troubleshoot JumpStart configurations

## **Module 14 - Performing Live Upgrade Using the Solaris 10 Operating System**

- Describe the benefits of using Live Upgrade
- Describe the Solaris Live Upgrade process
- Describe Solaris Live Upgrade requirements
- Identify the Solaris Live Upgrade commands
- Create an alternate boot environment cloned from a running system
- Create a differential flash archive in a Live Upgrade boot environment
- Modify the state of the new boot environment
- Extend a base boot environment with a differential flash archive
- Use Live Upgrade to patch a system
- Using JumpStart to implement a Live Upgrade environment