Kód kurzu: D72965

This Oracle Solaris 11 Advanced System Administration training provides an intensive hands-on experience. You'll learn complex and integrated administration concepts through a combination of lessons and hands-on exercises that will reinforce your learning.This is an advanced course which dives into the details of configuring and administering an Oracle Solaris 11 system. Students without Oracle Solaris 11 system administration experience should take the Oracle Solaris 11 System Administration course first to ensure an effective knowledge of Oracle Solaris 11 system administration before attempting to take this advanced course. Those with Oracle Solaris 10 experience should take the Transition to Oracle Solaris 11 course as it builds on your Oracle Solaris 10 knowledge and provides training more tailored to your background. Better understand the latest information on security, performance and scalability enhancements which allow customers to run their most demanding enterprise applications in private, hybrid, or public clouds.

Pro koho je kurz určen
- Data Center Manager
- Support Engineer
- System Administrator
- System Integrator
- Technical Consultant

Co Vás naučíme
- Install Oracle Solaris 11 using the Automated Installer (AI).
- Use the Image Packaging System (IPS) for package management.
- Configure zones and virtual networks.
- Configure IP multipathing.
- Secure the system through the use of privileges and auditing.
- Manage processes and evaluate system resources.
- Discover tools needed to effectively and efficiently troubleshoot software failures.

Předpokládané znalosti
- Knowledge of the ZFS file system
- Experience with Oracle Solaris Zones
- Oracle Solaris 11 System Administration course or one year experience as an associate system administrator
- Oracle Solaris 11 System Administration NEW

Metody výuky
Odborný výklad s praktickými ukázkami, cviení na poítaích.

Formáty školení Oracle
Velmi oblíbenou formou školení jsou nahrávané kurzy On Demand zahrnující 90 dn samostudia kdykoliv a kdekoliv s TOP lektorem. Dalšími možnými formáty studia jsou kurzy probíhající pímo v uebn v Poítaové škole Gopas nebo ve spolenosti Oracle, dále formát Live Virtual Class (školení on-line) i Selft-Study (samostudium ve form CD, nebo download). Podrobnjší informace k tmto možnostem studia najdete zde.

Studijní materiály
Elektronické autorizované materiály Oracle v anglickém jazyce.

Osnova kurzu
Managing the Image Packaging System (IPS) and Packages
- Implement a plan for Image Packaging System and packages management
- Configure a local IPS package repository
- Configure network client access to a local IPS server

- Manage signed packages and package properties
- Manage package publishers
- Manage multiple boot environments

Installing Oracle Solaris 11 OS on Multiple Hosts

- Implement a plan a for an Oracle Solaris 11 operating system installation using the Automated Installer
- Install the Oracle Solaris 11 operating system using the Automated Installer
- Verify an Oracle Solaris 11 operating system installation
- Build an Oracle Solaris image using the distribution constructor

Managing the Business Application Data

- Implement a plan for data storage configuration and backup
- Manage data redundancy with a mirrored storage pool
- Configure data backup and restore by using ZFS snapshots
- Managing data storage space by using ZFS file system properties
- Troubleshoot ZFS issues

Configuring Network and Traffic Failover

- Implement a plan for network and traffic failover configuration
- Configure systems on a local network
- Configure reactive network
- Configure Network File System (NFS)
- Configure link aggregation
- Configure an IPMP group
- Maintain an IPMP group
- Implement link failover using IPMP

Configuring Zones and the Virtual Network

- Implement a plan to configure Oracle Solaris zones with a virtual network
- Create a virtual network
- Configure Oracle Solaris zones to use VNICs
- Allocate resources to an Oracle Solaris zone
- Manage virtual network resources

Managing Services and Service Properties

- Implement a plan to configure services
- Configure SMF services
- Recover a service from a snapshot
- Troubleshoot SMF services

Configuring Privileges and Role Based Access Control

- Implement a plan to configure privileges
- Implement a plan to configure Role-Based Access Control
- Examine the process privileges
- Manage privileges
- Configure Role-Based Access Control
- Use Role-Based Access Control

Securing System Resources using Solaris Auditing

- Implement a plan for Oracle Solaris auditing
- Configure Oracle Solaris auditing
- Administer the audit service
- Manage audit records

Managing Processes and Priorities

GOPAS®

- Implement a plan for executing a process in an appropriate scheduling class
- Manage process scheduling priority
- Manage the scheduling class of zones
- Configure the Fair Share Scheduler
- Monitor the Fair Share Scheduler

Evaluating the System Resources
- Implement a plan to evaluate resource allocation and system performance
- Configure system resources
- Monitor system performance

Monitoring and Troubleshooting System Failures
- Implement a plan for system messaging and diagnostic facilities implementation
- Configure system messaging
- Configure system crash facilities
- Configure dump facilities for business application failure