

OSOL-25 - ORACLE SOLARIS 11 SYSTEM ADMINISTRATION FOR EXPERIENCED UNIX/LINUX ADMINISTRATORS

Categoria: **Solaris & Linux**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Solaris & Linux



Qualifica Istruttore:
Oracle Certified
Professional



Dedicato a:
Professionista IT



Produttore:
Oracle

OBIETTIVI

- Comprendere i vantaggi nell'utilizzo delle caratteristiche e tecnologie chiave di Oracle Solaris 11.
- Gestire il software di sistema utilizzando IPS.
- Amministrare i servizi con SMF.
- Amministrare i file system che utilizzano ZFS.
- Implementare la virtualizzazione di rete utilizzando vNIC e etherstubs.
- Implementare la virtualizzazione del sistema operativo utilizzando Oracle Solaris Zones.

PREREQUISITI

Esperienza di Amministrazione in un ambiente basato su UNIX o Linux

CONTENUTI

Introducing the Solaris 10 OS Directory Hierarchy

Define file systems

Identify file components

Identify file types

Describe hard links

Solaris 10 Operating System Installation Requirements

Identify hardware requirements for Solaris 10 OS installation

Identify the fundamentals of Solaris 10 OS installations

Identify the Solaris OS software components

Define guidelines for installing Solaris OS from a DVD

Describe the Secure by Default installation enhancement

Performing Solaris 10 OS Package Administration

Describe the fundamentals of package administration

Administer packages using the command-line interface

Managing Software Patches on the Solaris 10 OS

Describe patch administration fundamentals

Describe patch administration best practices

Obtain patches using SunSolve

Install and remove patches

Install recommended patch clusters

Implement patch management using the smpatch command line

Using Boot PROM Commands

Identify boot programmable read-only memory (PROM) fundamentals

Use basic boot PROM commands

Identify the system boot device

Create and remove custom device aliases

View and change non-volatile random access memory (NVRAM) parameters from the shell

Interrupt an unresponsive system

Using the Grand Unified Bootloader

Discuss the purpose of the Grand Unified Bootloader (GRUB)

Describe GRUB terminology and basic functions

Modify x86 system boot behavior in the Solaris OS

Use the eeprom command

Use the kernel command

Use the findroot command

Describe and manage GRUB boot archives

Boot a system in the GRUB-based boot environment

Service Management Facility

Describe the Service Management Facility (SMF) features

Compare run levels and SMF milestones

Use SMF administrative commands

Managing Local Disk Devices

Describe the basic architecture of a disk

Manage disk labels

Describe the naming conventions for devices

Describe support for iSCSI target devices

List system devices

Reconfigure devices

Perform hard disk partitioning

Describe EFI disk labels

Managing Solaris OS UFS File Systems

Identify disk-based, distributed, and pseudo file systems in the Solaris OS

Describe Solaris OS UFS file systems

Create a new UFS file system

Check a file system using the fsck command

Resolve file system inconsistencies

Monitor file system use

Performing Mounts and Unmounts

Identify mounting basics

Perform mounts

Mount ZFS file systems

Perform unmounts

Repair important files if boot fails

Access a mounted diskette, CD-ROM, or DVD

Restrict access to a mounted diskette, CD-ROM, or DVD

Access a diskette, CD-ROM, or DVD without volume management (vold)

Configuring Role-Based Access Control (RBAC)

Describe RBAC fundamentals

Describe component interaction within RBAC

Manage RBAC

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

Introduction to the ZFS File System

Describe the Solaris ZFS file system

Understand ZFS terminology

Create new ZFS pools and file systems

Modify ZFS file system properties

Destroy ZFS pools and file systems

Work with ZFS snapshots and clones

Managing Swap Configuration, Core Files, and Crash Dumps

Configure swap space

Manage core file behavior

Manage crash dump behavior

Describing Interface Configurations

Control and monitor network interfaces

Configure Internet Protocol version 4 (IPv4) interfaces at boot time

Identify the different zones features

Identify the different zones features

Understand how and why zone partitioning is used

Install, Configure, Boot, Move, Migrate, and Delete zones

Administer packages with zones

Upgrade the Solaris 10 OS with installed zones

Use 1x Branded Zones

Configuring JumpStart

Installation Using the Solaris 10 Operating System

Describe the JumpStart configurations

Implement a basic JumpStart server for SPARCA(R) 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

Performing Live Upgrade Using the Solaris 10 Operating System

Describe the Solaris Live Upgrade process

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

Use JumpStart to implement a Live Upgrade environment

Sun Systems Fault Analysis Workshop (ST-350)

Network Administration for the Oracle Solaris 10 Operating System (SA-300-S10)

INFO

Manuale: Materiale didattico ufficiale Oracle in formato digitale. Il materiale didattico è compreso nel prezzo sia per i corsi a Calendario sia per quelli Dedicati.

Prezzo manuale: 0 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)