

## **RH290 Red Hat Enterprise Linux for Solaris Administrators**

### **Course Summary**

#### **Description**

RH290 Red Hat Enterprise Linux for Solaris Administrators quickly and efficiently covers many of the hands-on, practical skills needed when migrating from Solaris to Red Hat Enterprise Linux. Focusing on the differences between the two operating systems, the course covers Red Hat Enterprise Linux equivalents to Solaris-specific technologies, such as applying software patches, automated deployment with Jumpstart, and advanced filesystem features. In addition, the course demonstrates how to use RPM, yum, the Red Hat Network (RHN), and Kickstart to manage your environment. You will acquire and set Linux kernel tunables, explore and configure the many supported hardware devices available from multiple vendors, and secure your users and services.

#### **Topics**

- System overview
- System configuration
- System initialization, services, and shutdown
- Software and update management
- Special devices
- Filesystems
- Security and authentication
- System monitoring
- Enterprise deployment

#### **Audience**

- Experienced Solaris system administrators transitioning to a Red Hat Enterprise Linux platform.
- Solaris administrators who are contemplating a migration to Red Hat Enterprise Linux and want to understand the difference in skillset that will be required.
- Solaris administrators who want to quickly expand their skillsets to include Red Hat Enterprise Linux.

#### **Prerequisites**

- Experience in Solaris at the power user, network operations, or system administrator level.
- Two years of Solaris experience installing server operating system and software, troubleshooting servers, and configuring and securing servers and services.

#### **Duration**

Three days

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### **Course Outline**

#### **I. System overview**

- A. Important differences between Solaris and RHEL, including their directory structures and commands
- B. Where to get more documentation

#### **II. System configuration**

- A. Configure and access various consoles for local and remote administration
- B. Hands-on interaction with new tools

#### **III. System initialization, services, and shutdown**

- A. Explore the x86 boot process, kernel modules and initialization
- B. Manage service startup and shutdown

#### **IV. Software and update management**

- A. Manage software lifecycle with yum, Red Hat Network, and rpm
- B. How to manage Solaris machines from Red Hat Network

#### **V. Special devices**

- A. Understand and modify the partition table, character devices, and block devices
- B. Create and manage software RAID, logical volumes, and iSCSI

#### **VI. Filesystems**

- A. Expand storage by adding new or reconfiguring existing filesystems and swap space
- B. Configure autofs for on-demand network storage
- C. Set up space and file quotas for users and groups

#### **VII. Security and authentication**

- A. Connect to network directory services like NIS and LDAP
- B. Securely access systems and services using the NetFilter kernel-level firewall
- C. Enforce security with SELinux

#### **VIII. System monitoring**

- A. Collect system information, monitor system activity, and generate reports
- B. Set up system auditing, centralized logging, and kernel monitoring and profiling

#### **IX. Enterprise deployment**

- A. Perform automated installations of Red Hat Enterprise Linux using Kickstart
- B. Save kernel crash dumps to disk and over the network