

Advanced SUSE Linux Enterprise Server Administration (Course 3038)

Chapter 10

Prepare for the Novell CLP Practicum

Objectives

- Install and Configure SLES 9
- Configure a DNS Server
- Configure a Web Server
- Configure a Samba File Server

Scenario

- Digital Airlines is planning on deploying SUSE Linux in its IT infrastructure
- Migration plan includes the following services
 - DNS services on the internal network
 - Intranet Web server
 - File and Print services for Windows clients

Install and Configure SLES 9

- Tasks and requirements
 - Install SLES 9 from the SLES 9 DVD
 - Make sure to use a partition setup that fits your needs
 - Install only necessary applications and daemons to support a DNS server, a Web server, and a Samba file server
 - Choose a root password
 - Create one additional normal user account
 - Update the system with YUM (from server DA1) after the installation

Install and Configure SLES 9 (continued)

- Tasks and requirements (continued)
 - Secure the GRUB boot loader with a password
 - Configure the network connection manually (with or without YaST)
 - Configure runlevel 3 as the system default
 - Synchronize the system clock with DA1 using NTP

Configure a DNS Server

- Steps
 - Configure a master DNS server for five test systems
 - (DA10-DA14)
 - Test your setup (you can use the command dig)
 - The server configuration files under /etc as well as the zone files should be backed up
 - Configure your backup script as a cron job that runs every day at 10:00 p.m.
 - Configure your servers to be slave DNS servers for each other

Configure a Web Server

- Steps
 - Install and configure an Apache Web server
 - That hosts the general portal site and two virtual hosts
 - Use the Apache example pages as demo content
 - Virtual host from accounting should run under SSL
 - Accessible only for users in group accounting
 - Make additional entries in /etc/hosts to test setup
 - From each department, one user should be allowed to login using SSH
 - Create shell script, which replaces the .htm with .html

Configure a Samba File Server

- Steps
 - Install the Samba server and client software
 - Configure a marketing workgroup
 - Create a UNIX group named marketing
 - Create two normal users (PSmith and JWattson) who are members of the accounting group
 - And are included in the file smbpasswd
 - Create one shared folder for the group accounting
 - Export the home directories of PSmith and JWattson as personal shared folders

Configure a Samba File Server (continued)

- Steps (continued)
 - Test your shares (you can use the smbclient)
 - Create a bash script that searches for Windows executables on the shares