

(RH – 401) Training Class Course Covers

- Essential System Management
 - · System management tasks
 - · Standardization, centralization, and scalability
 - · Provisioning and automation
 - · Red Hat tools for system management
- Installing a Red Hat Network Satellite Server
 - · Features and advantages of the RHN Satellite Server
 - · Types of RHN Satellite Servers
 - · RHN Satellite Server hardware requirements
 - · Understanding software channels
 - · Installing an RHN Satellite Server
 - · Populating an RHN Satellite Server
 - · Troubleshooting an RHN Satellite Server installation
- Building RPMs
 - · Building open source software
 - · Using RPM macros
 - · Writing custom spec files
 - · Using rpmbuild to create and sign RPMs
 - · Guidelines for custom RPMs
- Use of CVS to Manage Configuration Files
 - · Basics of CVS for system administrators
 - · Creating local and remote repository access
 - · Structuring a CVS project
 - · Using CVS to track, log, and reverse configuration changes
- Managing the Red Hat Network Satellite Server
 - · Preparing a client to use an RHN Satellite Server
 - · Creating and managing custom channels
- Red Hat Network Management and Provisioning
 - · Types of RHN service
 - · Elements of a deployment system
 - · Use of custom channels in a deployment system
 - · Using configuration channels to maintain system configuration
 - · Automating installations through kickstart
- Red Hat Network Proxy Server
 - · Hosted RHN versus Proxy Server

- · Proxy Server software and hardware requirements
- · Installing RHN Proxy Server
- · Configuring clients to use a RHN Proxy Server
- Monitoring Systems with RHN
 - · RHN monitoring architecture
 - · RHN monitoring components
 - · Probes and notifications
- Network Kernel Crash Dumps and netdump
 - · Saving crash signatures over the network
 - · Saving crash dumps over the network
 - · Configuring netdump servers
 - · Configuring netdump clients
- DHCP and PXE boot
 - · DHCP server design and configuration
 - · Preboot Execution Environment
 - · Setup PXE and PXELINUX
 - · Kickstart and DHCP
- Xen Technology Preview
 - · Understanding virtualization
 - · Xen terminology
 - · Hardware requirements
 - · Xen tools
 - · Creating and bootstrapping a domain
 - · Accessing and monitoring a domain
 - · The art of Xen security