

### **Course Overview**

Red Hat Enterprise Directory Services and Authentication (RH423) is an intensive course designed to training Senior System Administrators the skills required to manage and deploy the Red Hat Directory Server on and for Red Hat Enterprise Linux systems. This course also covers cross-platform integration of directory services in order to provide authentication or information services across the enterprise.

### **Prerequisites:**

RH423 requires RHCE-level skills or RHCE Certification.

### **Target Audience**

Experienced Linux system administrators responsible for user account information and secured enterprise authentication mechanisms of one or more Linux systems. System administrators who have configured directory services and authentication on other operating systems but now want to perform those tasks on a Linux system. Experienced system administrators wanting to integrate directory service and authentication mechanisms across multiple operating systems

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### **Course Outline**

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| <ul style="list-style-type: none"><li>1. Introduction to Directory Services<ul style="list-style-type: none"><li>What is a directory?</li><li>LDAP: models, schema, and attributes</li><li>Object classes ?LDAP</li></ul></li><li>2. The LDAP Naming Model<ul style="list-style-type: none"><li>Directory information trees and Distinguished Names</li><li>X.500 and "Internet" naming suffixes</li><li>Planning the directory hierarchy</li></ul></li><li>3. Red Hat Directory Server: Basic Configuration<ul style="list-style-type: none"><li>- Installation and setup of Red Hat Directory Server</li><li>- Using the Red Hat Console</li><li>- Using logging to monitor Red Hat Directory Server activity</li><li>- Backing up and restoring the directory</li><li>- Basic performance tuning with indexes</li></ul></li><li>4. Searching and Modifying the LDAP Directory<ul style="list-style-type: none"><li>- Using command line utilities to search the directory</li><li>- Search filter syntax</li><li>- Updating the directory</li></ul></li><li>5. Red Hat Directory Server: Authentication and Security<ul style="list-style-type: none"><li>- Configuring TLS security</li><li>- Using access control instructions (ACI's)</li><li>- ACI's and the Red Hat Console</li></ul></li></ul> | <ul style="list-style-type: none"><li>6. Linux User Authentication with NSS and PAM<ul style="list-style-type: none"><li>- Understanding authentication and authorization</li><li>- Name service switch (NSS)</li><li>- Advanced pluggable authentication modules (PAM) configuration</li></ul></li><li>7. Centralized User Authentication with LDAP<ul style="list-style-type: none"><li>- Central account management with LDAP</li><li>- Using migration scripts to migrate existing data into an LDAP server</li><li>- LDAP user authentication</li></ul></li><li>8. Kerberos and LDAP<ul style="list-style-type: none"><li>- Introduction to Kerberos</li><li>- Configuring the Kerberos key distribution center (KDC) and clients</li><li>- Configuring LDAP to support Kerberos</li></ul></li><li>9. Directory Referrals and Replication Referrals and replication<ul style="list-style-type: none"><li>- Single master configuration</li><li>- Multiple master configuration</li><li>- Planning for directory server availability</li></ul></li><li>10. Cross-Platform Centralized Identity Management<ul style="list-style-type: none"><li>- Synchronizing Red Hat Directory Server with Active Directory</li><li>- Managing users with Winbind and LDAP</li><li>- Mapping attributes between Linux and Windows</li></ul></li></ul> |
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**Course Duration:** Four Days: 10 am - 5.30 pm

**Course Fee Rs. 9,600/-**

*(Plus Service Tax as applicable)*