



## Zimbra System Administration Course Overview

### Delivery Methods

- Instructor-led training via WebEx
- Onsite available with additional fees

### Course Description

- Three (3) days

### Maximum Students

- Twelve (12)

### Target Audience

- System Administrators

### Prerequisites

This course is designed for System Administrators with - at a minimum - entry-to-mid-level administration experience and working knowledge of the Linux OS. Familiarity with Zimbra Web Client features is beneficial. Participants are recommended to have previously downloaded and used the trial version of Zimbra Collaboration.

### Pricing

Contact your Zimbra representative or a Zimbra Authorized Training Center for pricing information.

### Course Overview

This is an in-depth, 3-day, hands-on session that covers everything you need to know about installing, managing, and maintaining your Zimbra deployment. This course covers basic administration plus the advanced administration functions and configuration of a multi-node Zimbra architecture.

### What You Will Learn

- Zimbra Architecture
- Installing Zimbra
- Troubleshooting Installation
- Using the Zimbra Admin Console
- Using CLI tools
- Zimbra System Care (monitoring system logs, queues, and other resources)
- Backup & Restore in Zimbra scheduling and using the Admin Console
- Bug tracking and Support Portal
- Performance tuning
- Migration options & planning
- Upgrading Zimbra
- Upgrade troubleshooting and general system troubleshooting tips
- Personalizing Zimbra deployment - Zimlets, Custom
- Skins/Themes
- Zimbra Multi-Node Deployment
- Architecture and Storage Considerations
- Multi-Server Installation & Upgrading
- Reconfiguring Zimbra into a multi-node architecture
- Directory and GAL Integration
- Advanced Monitoring & Troubleshooting

### How You Will Benefit

On completion of this course, students will be able to install, configure, troubleshoot, maintain, and manage Zimbra. An overview of performance tuning, basic capacity planning and migration options/planning will also be covered.

## Agenda Day 1

### 1 Basic Administration Training Overview

- Overview
- Prerequisites
- Schedule

### 2 Zimbra Architectural Overview

- Zimbra's Architectural Components
- Zimbra New Features

### 3 Zimbra Licensing

- Zimbra License Requirements
- Obtaining a License
- License Usage & Activation
- Examining License Status

### 4 Zimbra Installation

- Installation Considerations
- Installation Process Overview
- Install Exercise

### 5 Zimbra Administration Console Overview

- Definitions
- Adding & Modifying Domains
- Creating a New Account
- Administrator Accounts: Global and Delegated
- Configuration Elements
- Defining & Modifying a Class of Service
- Mobile Device Management
- Dumpster, Trash, and Landfill
- Auto-Discovery for ActiveSync
- Global Settings Configuration
- Administration Console Exercise

### 6 Zimbra CLI Utility

- CLI Utility Overview
- Zimbra CLI Commands
- CLI Exercise

### 7 Zimbra Security Topics

- Single Sign On
- Add a Certificate
- Enable Z/MIME Zimlet

### 8 Zimbra System Care

- Server Statistics
- Logger Service
- Enabling Server Statistics
- Mail Queues
- Disk Capacity
- Log Files
- Port & Process Monitoring
- Volumes & HSM
- Statistics & Capacity Planning
- Zimbra Collaboration Crontab Jobs
- Troubleshooting Mailstore Performance-zmdiaglog
- Troubleshooting Exercise

### 9 Additional Information & Support

- Resources
- Search for Information

## Agenda Day 2

- 10 Zimbra NG Backup/Restore**
- Backup Overview
  - Scheduling Backups
  - Performing Backups
  - Identifying Backup Failures
  - Restore
  - Backup and Restore Exercise

- 11 Zimbra Performance Tuning & Monitoring**
- Performance Tuning Guide
  - Performance Tuning Background
  - Monitoring for Performance
  - Chart Analysis

- 12 Migration Options & Planning**
- Migration Planning Overview
  - Deployment Planning Worksheet
  - Migration Strategy
  - Provision and Configure Zimbra as Primary or Secondary
  - The Migration

- 13 Upgrading Zimbra**
- Before You Upgrade
  - Single-Server Upgrade
  - Single-Server Upgrade Exercise

- 14 Upgrade General System Troubleshooting**
- Overview
  - 4 Most Common Problems

- 15 Zimbra on vSphere**
- Overview
  - About Virtualization

- 16 Personalizing Your Deployment: Themes & Logos**
- What is a Theme?
  - What is a Zimlet?
  - Customizing Themes Exercise

- 17 Zimbra Archiving & Discovery**
- How Archiving and Discovery Work
  - Installing Archiving Package as an Update to Zimbra
  - Creating Dedicated Archive COS in Multi-Server Environments
  - Performing Discovery Searches
  - Administering the Archive Server
  - Creating Archive Mailboxes
  - Searching Across Mailboxes
  - Archiving and Discovery Exercise

## Agenda Day 3

### 18 **Advanced Zimbra Architecture**

- Zimbra Architectural Components
- Possible Deployments
- IMAP Improvements: NIO
- LDAP Multi-Master Replication
- Policyd
- OpenDKIM

### 21 **Delegated Administration**

- Delegated Administration Terminology
- How Delegated Administration Rights are Granted
- Implementing Delegated Administration
- Revoking Rights
- Viewing Rights Granted to Administrators
- Predefined Delegated Administrator Role
- Specific Access Rights
- Delegated Administration Exercises

### 19 **Architecture & Storage Considerations**

- Customer Profile
- Storage and File System Layout
- Backup Overview
- Server Sizing
- Server Performance Tuning
- Direct NFS

### 22 **Directory & GAL Integration**

- Zimbra Directory Service (LDAP)
- Integration with an External Directory/AD
- Free/Busy Interoperability with Exchange
- IPv6
- Voice Integration
- GAL Integration Exercise

### 20 **Multi-Server Installation & Upgrading**

- Multi-Server Installation Prerequisites
- Load Balancing on Zimbra Collaboration
- Multi-Server Upgrades
- Perform the Upgrade
- Multi-Node ZC Setup Exercise