Zimbra Collaboration 8.X

System Administration Overview

Delivery Methods

- Instructor-led training via WebEx

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 Collaboration deployment. This course covers basic administration plus the advanced administration functions and configuration of a multi-node Zimbra Collaboration architecture.

What You Will Learn

- Zimbra Architecture
- Installing Zimbra Collaboration
- Troubleshooting Installation
- Using the Zimbra Admin Console
- Using CLI tools
- Zimbra Collaboration System Care (monitoring system logs, queues, and other resources)
- Backup & Restore in Zimbra Collaboration: scheduling and using the Admin Console
- Bugzilla and Support Portal
- Performance tuning
- Migration options & planning
- Upgrading Zimbra Collaboration
- Upgrade troubleshooting and general system troubleshooting tips
- Personalizing Zimbra Collaboration deployment - Zimlets, Custom Skins/Themes
- Zimbra Collaboration Multi-Node Deployment
- Architecture and Storage Considerations
- Multi-Server Installation & Upgrading
- Reconfiguring Zimbra Collaboration 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, customize, troubleshoot, maintain, and manage Zimbra Collaboration. 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
- Backup Process Overview

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

4 Install ZIMBRA COLLABORATION
- Installation Considerations
- Installation Process Overview
- ZC 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 CLI Utility
- CLI Utility Overview
- Zimbra CLI Commands
- CLI Exercise

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

8 ZIMBRA COLLABORATION 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	**Backup/Restore**
	• Backup Overview
	• Scheduling Backups
	• Performing Backups
	• Identifying Backup Failures
	• Restore
	• Backup and Restore Exercise

11	**Performance Tuning**
	• Performance Tuning Guide
	• Performance Tuning Background

12	**Monitoring with zmstats**
	• Monitoring for Performance
	• Chart Analysis

13	**Migration Options & Planning**
	• Migration Planning Overview
	• Deployment Planning Worksheet
	• Migration Strategy
	• Provision and Configure Zimbra Collaboration as Primary or Secondary
	• The Migration

14	**Upgrading Zimbra Collaboration**
	• Before You Upgrade
	• Single-Server Upgrade
	• Single-Server Upgrade Exercise

15	**Upgrade General System Troubleshooting**
	• Overview
	• 4 Most Common Problems

16	**Zimbra on vSphere**
	• Overview
	• About Virtualization

17	**Personalizing Your Deployment - Themes and Logos**
	• What is a Theme?
	• What is a Zimlet?
	• Customizing Themes Exercise

18	**Zimbra Archiving and Discovery**
	• How Archiving and Discovery Work
	• Installing Archiving Package as an Update to ZC
	• 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

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

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

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

22 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

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