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HCL Domino Training: Administration

3 days (21 hours)

Overview

HCL Domino, formerly known as Lotus Domino and then IBM Domino, is an enterprise platform designed for email, business applications, and collaboration. It enables the operation of secure, highly available environments while preserving and modernizing existing Domino applications.

Our HCL Domino: Administration training course will enable you to master the installation, configuration, security, and operation of a Domino 14.5.x infrastructure. You will learn how to administer servers, the Domino Directory, as well as users, groups, and identities.

You will be able to secure your environments using ACLs, ID Vault, and TLS, and understand modern authentication mechanisms such as OIDC and passkeys. You will also learn to administer NSF databases, their replication, and the high-availability mechanisms provided by Domino clusters.

The course also covers the day-to-day operation of the platform: SMTP messaging, routing, monitoring, log analysis, incident diagnosis, and performance optimization. You will learn how to protect your data with appropriate backup, restore, and disaster recovery strategies.

Upon completion of this course, you will be able to administer and secure an HCL Domino infrastructure, ensure the availability of its services, and prepare for its maintenance and upgrades using current mechanisms such as AutoUpdate.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Understand the architecture and components of HCL Domino
- Install and configure a Domino 14.5.x server
- Administer users, groups, identities, and NSF databases
- Secure access, communications, and data within the infrastructure
- Configure messaging, replication, and high availability
- Monitor, diagnose, and maintain Domino servers
- Manage updates, backups, and disaster recovery procedures

Target Audience

- HCL Domino and HCL Notes administrators
- System administrators
- Infrastructure engineers
- Support engineers and IT technicians
- Professionals responsible for operating or modernizing an existing Domino infrastructure

Prerequisites

- Basic knowledge of Windows or Linux system administration
- Basic understanding of networking, DNS, and email protocols such as SMTP
- General knowledge of authentication principles, certificates, and TLS
- Some prior experience with a Domino environment is a plus but not required

Curriculum for our HCL Domino: Administration training course

[Day 1 – Morning]

Exploring the architecture and installing HCL Domino

- Understand the evolution from Lotus Domino and IBM Domino to HCL Domino and explore the features of Domino 14.5.x
- Identify the components of the architecture: server, Domino Directory, NSF databases, replicas, and clients
- Understand server roles and the principles of organizing a Domino domain
- Prepare the prerequisites and install HCL Domino on Windows or Linux
- Perform the initial configuration, configure notes.ini, and get started with Domino Administrator and the server console
- Hands-on workshop: Install and configure an HCL Domino server, then verify that it is functioning properly.

[Day 1 - Afternoon]

Administer users, groups, and identities

- Administer the Domino Directory and understand its role in the infrastructure
- Create and manage users, groups, roles, and administration policies
- Understanding Domino identity mechanisms, user certificates, and ID files
- Centralize and secure identities with ID Vault
- Understand modern authentication mechanisms with OIDC and passkeys
- Hands-on workshop: Create users and groups, apply a policy, and configure secure identity management.

[Day 2 - Morning]

Securing servers, applications, and communications

- Master the Domino security model with ACLs, roles, and access levels
- Protecting NSF databases and controlling access to applications and data
- Configure certificates and secure communications with TLS
- Apply the principles of least privilege and best practices for server hardening
- Understand audit, logging, and administrative access control mechanisms
- Hands-on Workshop: Securing an NSF database with ACLs and configuring TLS communications on the server.

[Day 2 - Afternoon]

Administering NSF databases, replication, and high availability

- Understand the structure and operation of NSF databases and their replicas
- Creating, maintaining, compacting, and repairing Domino databases
- Configure replication and diagnose synchronization issues
- Manage quotas, archiving, and the data lifecycle
- Understand Domino clusters, load balancing, and high-availability mechanisms
- Hands-on workshop: Configure database replication and test its behavior in a high-availability scenario.

[Day 3 - Morning]

Operating the messaging system, monitoring, and diagnosing HCL Domino

- Configuring email routing, domains, and SMTP services
- Analyzing queues and diagnosing message delivery issues
- Administer server tasks and schedule operational activities
- Use logs, statistics, events, and monitoring tools to monitor the infrastructure
- Identify performance issues and apply a troubleshooting methodology
- Hands-on workshop: Diagnose various email and performance incidents using Domino logs and administration tools.

[Day 3 - Afternoon]

Maintain, back up, and upgrade a Domino infrastructure

- Define backup, restore, and disaster recovery strategies for Domino servers and databases
 - Prepare upgrades and apply patches while minimizing the impact on users
 - Use AutoUpdate to detect, download, and distribute updates to the Domino environment
 - Understand the role of Domino License Administration (DLA) in Domino environments
- 14.5.x
- Develop a maintenance plan that incorporates security, availability, monitoring, backup, and platform evolution
 - Hands-on workshop: Restore a resource after an incident, then develop a maintenance and upgrading an HCL Domino infrastructure.

Target Audience

This training is intended for both individuals and companies—large or small—that wish to train their teams in new, advanced IT technology or to acquire specific business knowledge or modern methods.

Assessment upon enrollment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency level across various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Hands-On Training: 60% Practical, 40% Theoretical. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.