

Liferay

DevOps

Course Overview

Liferay DevOps Course Overview

Target Audience

- DevOps Engineers
- System Administrators

Prerequisites

This course requires you to have basic knowledge of server setup and maintenance.

Agenda

Days 1-3

Deploying and Managing Liferay	Deploying Liferay for Development <ul style="list-style-type: none">• Introduction to Docker• Installing Liferay on a Java EE Server• Simulating a Production Environment• Installing Liferay on a Full Profile Server• Managing JNDI Connections	Configuring Liferay <ul style="list-style-type: none">• Configuring Platform Settings• Configuring Liferay's Documents and Media Settings• Configuring Liferay's Application Settings• Configuring for Staging
Clustering a Liferay-Based Solution	Clustering Liferay <ul style="list-style-type: none">• Architecting a Cluster for Fault Tolerance• Preventing and Preparing for a Disaster• Clustering the Servers• Clustering the Portal• Configuring Documents and Search	
Deploying to the Cloud	Liferay in the Cloud <ul style="list-style-type: none">• Working with Liferay in the Cloud• Introduction to Continuous Integration, Delivery, and Deployment	

Authentication and Security	Integrating Authentication <ul style="list-style-type: none"> • Integrating Liferay with LDAP and SSO • Using LDAP with Liferay • Using SSO with Liferay 	Hardening Liferay <ul style="list-style-type: none"> • Balancing Security and Performance • Password Policies and Hashtag • Securing Liferay
Maintaining the Portal	Tools and Backups <ul style="list-style-type: none"> • Using Tools to Monitor Liferay • Installing Liferay Fix Packs and Service Packs • Restoring Liferay from Backups 	

What You'll Learn

The course begins by establishing key concepts for Liferay deployment and demonstrating how to deploy and configure Liferay in both a Java EE Web Container and a full-featured Java EE Container, all while using Docker.

Once Liferay is running, the course focuses on configuration, showing everything you need to know about managing your instance. This focus includes Liferay-specific settings, application and document settings, and making sure staging is configured for performance.

The main focus of this course is business continuity, planning strategies that will ensure your system stays up and running over the long-term. This involves a conversation about fault tolerance, high availability and scalability for performance, and the basics of session replication and server affinity in a cluster. All of this will be implemented using Docker.

Next, you'll look at a brief overview of how to deploy Liferay in the cloud, followed by a close examination of Liferay's authentication mechanisms and authentication integration points. The section continues with a discussion of securing your Liferay instance.

You'll end the course by putting together a disaster recovery plan so you're ready to bring your system back online quickly in the event of a system failure.



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