AMBIENT-IT

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Sign up

Commvault training

3 days (21 hours)

Overview

Commvault is the benchmark solution for data backup, recovery and management in hybrid and multi-cloud environments. It protects workloads, secures data and guarantees business continuity thanks to a unified, automated approach.

Our Commvault training course will teach you how to install, configure and administer the platform to protect your physical, virtual, cloud and container environments.

You'll discover how to automate your backup plans, secure your data, meet compliance requirements and integrate Commvault into your DevOps pipelines.

You'll also learn how to optimize backup performance, monitor your environments and industrialize your disaster recovery workflows.

By the end of the course, you'll be able to deploy a complete Commvault environment, integrate it into your existing infrastructures and guarantee the resilience of your systems.

Like all our training courses, this one uses the latest Commvault v11.42 stable release.

Objectives

- Understand Commvault's role in data protection
- Install and configure key components
- Back up and restore servers, databases, clouds and containers
- Secure environments and meet compliance requirements
- Automate with APIs and DevOps integration
- Monitor and optimize backup performance

Target audience

- DevOps engineers
- Systems and cloud administrators
- Infrastructure architects

Prerequisites

- General knowledge of systems and networks
- Basic knowledge of DevOps

Artifactory training program

Introduction to Artifactory and its role in DevOps

- Introduction to JFrog Artifactory and its position in the DevOps ecosystem
- Artifact management: binaries, packages, dependencies
- Role in continuous integration (CI) and continuous deployment (CD)
- Comparison with other repository managers (Nexus, Harbor)
- Main use cases (Java, Docker, npm, PyPI, etc.)
- Workshop: Installation and first launch of Artifactory

Architecture and fundamental concepts

- Notion of local, remote and virtual repositories
- Package organization and metadata management
- Managing permissions, users and groups
- REST API and Artifactory CLI
- Introduction to multiple repositories and their orchestration
- Workshop: Creating local and remote repositories

Artifact management and developer integration

- Software artifact lifecycle management
- Integration with dependency managers (Maven, Gradle, npm, pip)
- Versioning strategies and snapshots
- Deduplication and storage optimization
- Configuring remote proxies
- Workshop: Publishing and consuming a Maven/npm artifact via Artifactory

Security, governance and best practices

- Managing access rights (RBAC, API Key, Access Tokens)
- Integration with LDAP, SSO, OAuth
- Management of retention policies and artifact cleansing
- Good governance practices (audit, logs, compliance)

- Monitoring and supervision (JFrog Mission Control, Prometheus, Grafana)
- Workshop: Configuring retention rules and security auditing

CI/CD integration and automation

- Integration with Jenkins, GitLab CI, GitHub Actions, Azure DevOps
- JFrog pipelines and CI/CD workflow automation
- Artifact management in multi-environment workflows
- Artifact promotion between environments (DEV, QA, PROD)
- Automation via Terraform and Ansible
- Workshop: Deploying a CI/CD pipeline with Artifactory and Jenkins

Advanced deployment and the JFrog ecosystem

- Artifactory on-premise, cloud, SaaS (JFrog Platform)
- Integration with Xray for vulnerability scanning and supply chain security
- Docker repository management and Kubernetes/OpenShift integration
- High availability and scalability strategies
- JFrog ecosystem roadmap and innovations
- Workshop: Deploying a Docker registry on Artifactory and using it in Kubernetes

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced IT technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the forthcoming course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical training: 60% hands-on, 40% theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Certification

A certificate will be awarded to each trainee who completes the training course.