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Sign up

Cloudbolt training: Managing your hybrid cloud

3 days (21 hours)

Presentation

Cloudbolt is a cloud management platform offering users self-service environments and IT administrators greater visibility and control. With this technology, your team will be able to control all types of IT data efficiently and securely.

This tool transforms your IT environment, enabling your organization to become a service broker, so you can manage technology and be more responsive to your objectives.

Cloudbolt is very popular, because the platform is easy to learn, fast and accessible. This training will enable you to exploit the full range of the technology's functionalities and acquire a wealth of knowledge.

The benefit of this apprenticeship is the privilege of having the skills to use the hybrid cloud, thanks to cloud automation that saves you time and resources.

You'll learn how to deploy, manage and create private and public clouds, as well as troubleshooting and security best practices.

The training will be presented with the latest version of Cloudbolt, [Cloudbolt 2022.3.1](#).

Objectives

- Be able to install Cloudbolt correctly
- Mastering the hybrid cloud
- Implement role-based access control (RBAC)
- How to set up a hardware application

- Good safety practices

Target audience

- Safety engineers
- Cloud administrators
- System administrators
- DevOps engineers

Prerequisites

- Knowledge of Kubernetes
- Knowledge of SQL
- Knowledge of databases

Cloudbolt Training Program

Introduction

- What is Cloudbolt?
- The concepts
- Use cases
- Introduction to the Hybrid Cloud
- Advantages and disadvantages of the Hybrid

Features

- Cloud automation
 - Perfect provisioning processes and application workload management
 - User-friendly access
 - Deploy, build and manage private and public clouds quickly and efficiently
 - Better management of sophisticated applications
 - Flexible cloud management processes
- Kubernetes management
- Self-service information technology
- Multi-cloud and hypervisor management
- Lifecycle and service management and orchestration
- Brownfield deployment and development
- Governance

Start

- Task 1: Cloudbolt device deployment
 - Deploying in Azure
 - Deploying in AWS
 - Deploying a virtual device
- Task 2: Follow guided configuration
- Task 3: Getting started with Cloudbolt

Configuration

- Configuration, management and coordination
 - Actions
 - Plugins
 - The rules
 - Continuous Infrastructure Testing (CIT)
- Action plans
- Cloudbolt's multi-entities
- Role-based access control (RBAC) and portals
- Workload deployment across multiple clouds

Getting started

- Installing Cloudbolt
 - Cloudbolt device deployment
 - Setting up high availability
 - Product license
 - SELinux configuration
- Use the catalog to create, organize and order plans
- Server access
- Resources
- Environments

Technology upgrade

- Enhance your database for PostgreSQL
- Cloudbolt export and import utility
- Updating Cloudbolt with a Yum repository
- Maintenance mode
- Custom code analysis update tool

Cloud security and risk management

- Data protection
- Reduce the impact of changes in operations
- Optional object storage

Architecture

- Device safety
- Hardware guidelines
- Network connectivity
- Advanced PostgreSQL configuration
 - Using SSL with an external PostgreSQL database from Cloudbolt

Troubleshooting

- Sourcing questions and parameters
- Virtual machine configuration
- Other parameters

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer 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 training to come, 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 course: 60% Practical, 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.

Sanction

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