



BMC Release Lifecycle Management 4.x: Fundamentals (eBook)

COURSE ABSTRACT

COURSE CODE

- » AUTO-RLMF-0430-EBK

APPLICABLE VERSIONS

- » BMC Release Lifecycle Management 4.0, 4.1, 4.2, & 4.3

DELIVERY METHOD

- » eBook
 - Student guide as eBook

COURSE DURATION

- » Equal to 5 Days

PREREQUISITES

- » None

Course Overview

Everyone knows that software development entails coding and testing software, but not everyone is keenly aware of the capabilities and services required to support those activities. This is the space known as Development Operations (DevOps), and the BMC Release Lifecycle Management tool provides strong capabilities and support for this space.

This eBook provides the introductory course for DevOps and BMC Release Lifecycle Management (RLM). It is designed to provide an overview of the roles, capabilities, principles, and processes of DevOps, followed by coverage of the process of modeling application release processes and deploying software releases in RLM. Students will come away from the course with a strong foundation in how to use RLM, whether their goal is to provide basic documentation of a release process, to fully automate and track execution of the process, or to automate the deployment of software artifacts.

Target Audience

- » Administrators – Release Lifecycle Management Administrators
- » Developers – Technical Release Managers, Development team leads
- » Operators – DevOps Leads and practitioners, SCM Leads and practitioners, Environment Leads and practitioners, Application delivery leads

Learner Objectives

- » Recognize DevOps problems and use DevOps principles to avoid or solve them
- » Identify the definition, goals, and key success factors of DevOps
- » Describe the basic principles needed to successfully support the Technical Release Management, Software Configuration Management, and Environment Management capabilities
- » Apply DevOps principles in any organization to improve their DevOps capabilities
- » Explain basic concepts in the RLM product for modeling release processes, such as Lifecycles, Environments, Servers, Server Groups, Deployment automation and more
- » Construct BRPM templates to simplify future process modeling
- » Describe scripting, integrations, and automation with RLM
- » Create a seamless release process by stringing RLM tasks together
- » Create RLM procedures to foster re-use of common procedures
- » Set up deployment processes that don't need to change every time the release artifacts change



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COURSE ACTIVITIES

- » eBook

ACCREDITATION AND CERTIFICATION PATHS

- » This course is not part of a BMC Certification Path

DISCOUNT OPTIONS

- » Have multiple students? Contact us to discuss hosting a private class for your organization
- » **Contact us for additional information** 

Course Modules

Module 1: DevOps Overview

- » Common DevOps problems
- » Definition and goals of DevOps
- » Key success factors
- » DevOps capability areas
- » DevOps organization framework

Module 2: BMC Release Process Management Overview

- » BRPM and DevOps
- » Creating Application, Component, and Environment records
- » Associating Components and Environments
- » Creating Servers and Server Groups, Plans, Requests, and Steps

Module 3: BRPM Advanced Concepts

- » BRPM Templates
- » Implementing Scripting
- » Integration
- » Deployment concepts

Module 4: RLM Deployment Overview

- » RLM Deployment Architecture and Overview
- » Defining where, what, and how to Deploy
- » Executing Deployments

Module 5: RLM Deployment Advanced Topics

- » RLM Properties and Configurations
- » Reviewing Deployment Results
- » Deployment Concurrency
- » List of Instances
- » Package Schedules
- » Pre-Processing, Post-Processing, Removal, Failure, Branches
- » Analyzers, Package Dependencies, and Configuration Drift

Module 6: RLM Installation and Administration

- » RLM Installation
- » RLM Administration

Module 7: Technical Release Management, Software Configuration Management, and Environment Management Principles

- » Why principles
- » Technical Release Management principles
- » Software Configuration Management principles
- » Environment Management principles

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