BMC Discovery 20.x: Fundamentals Application Modeling (ASP)

Course Overview

BMC Discovery is a datacenter discovery solution that automatically discovers datacenter inventory, configuration and relationship data, and maps applications to the IT infrastructure. BMC Discovery establishes the foundation for improving IT processes and productivity by providing timely and actionable insight to make informed decisions in IT service management, asset management and infrastructure/operations management.

This course enables users to extend and maintain a BMC Discovery deployment beyond the initial baseline. It also enables users to model the complex custom software using the Start Anywhere Application Mapping (SAAM), Collaborative Application Mapping (CAM), and The Pattern Language (TPL) features. This course also covers CMDB Extensions used for enhancing CMDB synchronization.

IMPORTANT: The BMC Certified Associate: Discovery 20.x Application Modeling for Administrators Online Exam is included with the BMC Discovery 20.x: Fundamentals Application Modeling course. Taking the exam and pursuing certification is optional. You will have one attempt to pass the exam. No retakes will be offered. Those who pass will receive the title of BMC Certified Associate: Discovery 20.x Application Modeling for Administrators.

Target Audience

- Administrators
- Modelers

Learner Objectives

- Describe the data model and operating principles
- Review important functions in The Pattern Language (TPL)
- Describe Start Anywhere Application Mapping (SAAM)
- Describe the Collaborative Application Mapping (CAM) process
- Adapt pattern templates to discover custom software
- Use the manual pattern execution to test the patterns
- Explain the Pattern Language (TPL) concepts
- Extract data using XPath and Regular Expressions
- Write efficient regular expressions for triggers
- Model Software Instances and Business Application Instances
- Identify techniques available to discover the versions of Software Instances and Business Application Instances
- Build a complete and versioned application model with relationships
- Explain Definition Blocks
- Explain Data Sources
- Adapt pattern templates used in CMDB Synchronization
- Describe best practices to use TPL
- Modelling workshop incorporating skills learnt
COURSE ABSTRACT

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COURSE ACTIVITIES
» Presentations
» Hands-on Lab Exercises
» Demonstration

BMC DISCOVERY LEARNING PATH
» http://www.bmc.com/education/courses/discovery-training.html

ACCREDITATION AND CERTIFICATION PATHS
» https://www.bmc.com/content/dam/bmc/education/Graphic_Learning_Path_DSM_Discovery.pdf

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: Application Mapping Concepts
» Basics of Datastore
» Nodes
» Patterns
» Query Language

Module 2: Start Anywhere Application Mapping (SAAM) Concepts
» Concepts of Start Anywhere Application Modeling
» Publishing an Application Model
» Modify a Published model
» Using the Visualization Tools
» Model Rules

Module 3: Collaborative Application Mapping (CAM)
» Introduction to Application Mapping
» Collaborative Application Mapping
» Creating a Prototype
» Functional Components
» Mapping the Application

Module 4: Edit Pattern Templates
» Download Pattern Templates
» Edit a Simple Software Instance (SI) Pattern Template
» Testing a Simple SI Module
» Working with the SI Version Package Template

Module 5: Application Mapping Using The Pattern Language (TPL)
» Overview of Application Mapping
» Basics of The Pattern Language (TPL)
» Metadata
» Triggers
» The Pattern Body
» Regular Expressions
» Functions
» Path Restrictions
» Metadata and XPath
» Relationships and Pattern Sections
» Business Application Instances

Module 6: Definition Block
» Introduction to the Definitions Block
» User Defined Functions
» SQL Discovery
» Data Sources

Module 7: CMDB Sync Mapping
» CMDB Synchronization
» Viewing Data in the CMDB

Module 8: Best Practices for Developing Solutions
» Developing Patterns
» Writing Regular Expressions
» Preparing for Modeling
» Collaborative Application Modeling
» Extending Directly Discovered Data
» Constructing SIs and BAI

Module 9: Modeling Workshop
» Build Application Models Using SAAM
» Build a Model of Tomcat Application Server Using CAM
» Update the TrueSight Application Server Model Using TPL

For more information about BMC Education Services, visit www.bmc.com/education.