BMC Discovery 11.x: Advanced Application Modeling

COURSE ABSTRACT

COURSE CODE
» SPPT-DIAM-1110

APPLICABLE VERSIONS
» BMC Discovery 11.0 and 11.1

DELIVERY METHOD 🌍
» Instructor-led Training (ILT)

COURSE DURATION
» 5 Days

PREREQUISITES
» BMC Discovery 11.x: Administering or BMC Discovery 11.x: Administering (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 creating custom patterns used in CMDB Synchronization.

IMPORTANT: The **BMC Certified Professional: Discovery 11.x Online Proctored Exam** is included with the *BMC Discovery 11.x: Advanced Application Modeling* course. To qualify for this exam, candidates must have a valid BMC Certified Associate: Discovery 11.x designation. 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 Professional: Discovery 11.x**.

Target Audience

» Administrators

Course 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
» Adapt pattern templates used in CMDB Synchronization
» Describe best practices to use TPL

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

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COURSE ACTIVITIES

» Classroom Presentations
» Hands-on Lab Exercises

BMC DISCOVERY LEARNING PATH

» **http://www.bmc.com/education/courses/discovery-training.html**

ACCREDITATION AND CERTIFICATION PATH 🌐

» **http://www.bmc.com/education/courses/certified-professional-bmc-discovery-11-x.html**

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: BMC Discovery Mapping Concepts
» Basics of Datastore
» Nodes
» Patterns
» Query Language

Module 2: Start Anywhere Application Mapping (SAAM)
» Introduction to Start Anywhere Application Mapping
» Publish an Application Instance

Module 3: Collaborative Application Mapping (CAM)
» Introduction to Application Mapping
» Collaborative Application Mapping
» Search, Investigate, and Create a Prototype
» Functional Components
» Map the Application

Module 4: Edit Pattern Templates
» Download Pattern Templates
» Edit a Simple Software Instance (SI) Pattern Template
» Upload a Simple SI Module
» SI Version Package Template
» Business Application Instance (BAI) Template

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

Module 6: Definition Blocks
» Overview of Definition Blocks
» User Defined Functions
» SQL Integration
» SQL Discovery

Module 7: CMDB Sync Patterns
» Overview of CMDB Sync Patterns
» Enhance CMDB Sync

Module 8: Best Practices for Developing Solutions
» Develop and Debug Patterns
» Efficient Regular Expressions
» Prepare for Modeling
» Collaborative Application Mapping
» Extend Directly Discovered Data
» Construct SIs and BAIs

Appendix A: Supplemental Information
» Inefficient Regular Expression Example
» Troubleshooting

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