



BMC Discovery 21.x: Fundamentals Application Modeling (ASP)

COURSE ABSTRACT

COURSE CODE

- » SPPT-DIAM-2130-ASP

APPLICABLE VERSIONS

- » BMC Discovery 11.1, 11.3, 20.02, 20.08 and 21.30

DELIVERY METHOD

- » Assisted Self-paced (ASP)
 - Student and lab guide as ebook
 - Product community for questions and answers
 - Course recording via WBT
 - Access to instructor for up to 2.5 hours by appointment (use within 90 days of registration)

VIRTUAL LAB ACCESS

- » Lab Vouchers are issued at course registration time and must be redeemed within 90 days of receipt. Once Lab Voucher is redeemed, 28 days of lab access (portal access) are granted with 30 hours of on-demand lab time to be used. Once the lab time is used, or the 28 days expires, the lab access ends.
- » Click [here](#) for additional ASP virtual lab access information in graphical format.

COURSE DURATION

- » 5 Days

PREREQUISITES

- » None

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.

Target Audience

- » Administrators
- » Modelers

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
- » Explain Data Sources
- » Adapt pattern templates used in CMDB Synchronization
- » Describe best practices to use TPL
- » Modelling workshop incorporating skills learnt



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COURSE ACTIVITIES

- » Classroom Presentations
- » Hands-on Lab Exercises
- » Demonstrations


BMC DISCOVERY LEARNING PATH

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

ACCREDITATION AND CERTIFICATION PATH

- » 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: Definitions 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

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