BMC Atrium Orchestrator 7.x: Fundamentals – Part 2

COURSE ABSTRACT

COURSE CODE

» CLDS-AOF2-0790

APPLICABLE VERSIONS

» BMC Atrium Orchestrator 7.8 and 7.9

DELIVERY METHOD 🌐

– Instructor-led Training (ILT)

COURSE DURATION 🌐

» 5 Days

PREREQUISITES

» *BMC Atrium Orchestrator 7.8: Foundation – Part 1 (WBT)*

Course Overview

IT process automation can significantly lower the cost of IT delivery and reduce the risk associated with manual interactions. BMC Atrium Orchestrator automates common, repeatable tasks to improve quality of service across the board.

This instructor-led, hands-on course guides learners as they discover and cultivate the skills necessary to establish and maintain basic BMC Atrium Orchestrator processes. The course creates an environment in which learners can build and test the BMC Atrium Orchestrator infrastructure. Learners are presented with real-world tasks and the information and tools necessary to complete each task, which will develop basic BMC Atrium Orchestrator skills. Materials are provided that can be referenced during and after the class.

IMPORTANT: Included in this course is the examination for **BMC Accredited Administrator: BMC Atrium Orchestrator 7.x**. Taking the exam and pursuing accreditation is optional, however all students enrolled in the *BMC Atrium Orchestrator 7.x: Fundamentals – Part 2* course are automatically enrolled in the exam. You will have two attempts to pass the exam. No retakes will be offered. Those who pass will receive the title of **BMC Accredited Administrator: BMC Atrium Orchestrator 7.x**.

Target Audience

» Administrators – IT Administrator
» Designers – Process designers
» Developers – Software developers

Learner Objectives

» Reduce the risk of manual errors by automating basic IT tasks
» Improve quality of IT service through the automation of common, repeatable tasks
» Identify and configure the primary components of the BMC Atrium Orchestrator infrastructure
» Identify the elements of the Development Studio
» Create processes that invoke various base adapters, for example:
  – Simple Mail Transfer Protocol (SMTP)
  – Structured Query Language (SQL)
  – Secure Shell (SSH)
  – Simple Network Management Protocol (SNMP)
  – Hypertext Transfer Protocol (HTTP)
» Transform data using XPATH
» Use Context Item Variables
» Identify advanced process activities including the switch and loop activities
» Add Compensation to Workflow processes
» Schedule job execution
» Use the Debugger tool to test processes

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

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COURSE ACTIVITIES

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

BMC ATRIUM ORCHESTRATOR LEARNING PATH

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

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: Introduction to BMC Atrium Orchestrator: Purpose and Architecture

» BAO - IT Process Automation/Orchestration Engine
» BAO - Product Architecture
» BAO - Key Use Cases
» BAO - Installation /Deployment Scenarios

Module 2: Developing the Hello World Workflow: Using the File Adapter

» How to Configure and Activate the Adapter
» Creating a Module and a Process: Hello World Workflow

Module 3: Using the SMTP Adapter

» SMTP Adapter - Basics, Configuration and Activation on the Grid
» Develop the Email Workflow
» Define the Context Items and Passing Data via Context Items

Module 4: Overview of IT Process Automation: Taking a Systematic Approach

» IT Process Automation - Taking a Systematic Approach

Module 5: Using the SSH/WinCMD/PowerShell Adapters

» SSH Adapter- Basics, Configuration and Activation on the Grid
» Design and Development of a Workflow for the L1 operator Use Case
» Add the Operator Dialog Box
» Export and Activate the Module to the Grid
» Using the Operator Control Panel

Module 6: Using the Operations Actions Modules

» Understanding the Operations Actions Modules
» Populating the Concept - Connection Details
» Designing and Developing a Workflow to Use an Operations Actions Module

Module 7: Using the Transform Editor

» XML Basics
» Using the Basic Transform Editor
» Using the Advanced Transform Editor

Module 8: Using the SQL Actor Adapter

» Purpose of SQL Actor Adapter and Benefits
» SQL Actor Adapter Configuration Prerequisite
» Demo and Configure the SQL Actor Adapter
» Design a Workflow to Execute a Query
» Use of Loop
» Browse Through Other SQL Workflows

Module 9: Using the SQL Monitor Adapter

» Differentiating Between Actor and Monitor Adapters
» SQL Monitor Adapter – Basics, Configuration, and Activation on the Grid
» Designing and Developing a Monitor Workflow

Module 10: Using the SNMP Adapter

» Design and Activate a SNMP Workflow on the Grid
» View the output and Check the Log Files for Workflow Execution

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Module 11: Using the HTTP Adapter
» Purpose and Usage of HTTP Adapter
» Configure and Activate the HTTP Adapter
» HTTP get/put/post and delete Workflows
» Demo and Implement the Use Case
» Use of the Switch Activity

Module 12: Using the Debugger
» Using the Debugger Tool within the Development Studio
» Using the Breakpoint Manager

Module 13: Creating a Schedule
» Purpose of Scheduling
» Creating a New Schedule Job
» Scheduling via Grid Manager

Module 14: Adding Compensation
» Purpose of a Compensation
» Add a Compensation

Module 15: Managing Metrics and Audit Records
» Purpose of Auditing and Metrics
» Enabling the Metrics Database
» Understanding the Schema Structure
» Configuring Audit Reports, Grid Performance, and Process Metrics

Module 16: Health and Value Dashboards
» Understanding the Health and Value Dashboards
» Configuring Your Environment to Use Dashboards
» Creating Value Reports

Module 17: Understanding the Log Files and Troubleshooting Techniques
» Collecting the Diagnostics
» Working with Logs
» Troubleshooting Various Issues

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