Training: Micro Focus
SBM400-SBM Orchestration & Scripting

TRAINING GOALS:

This course provides the concepts and skills to use orchestrations and scripts to add custom behavior to process apps and to connect them with SOA-enabled external systems.

Upon successful completion of this course, you should be able to:

- Describe how the underlying SBM database is structured
- Describe SOA and use SOA Web Services
- Create and invoke Events
- Build orchestrations based on use cases
- Create and apply SBM scripts

Audience/Job Roles

This course is intended for those who will write scripts and orchestrations to customize process app behavior and integrate process apps with other process apps and third-party products.

CONSPECT:

- Course Overview
    - Identify the daily classroom schedule and methodology
    - Review the course objectives

- The SBM Database Schema
    - Describe requirements for working with multiple workflows
    - Describe techniques for establishing workflow interaction
    - Build a process app that tallies votes and automates action based on results

- Understanding SBM Web Services
    - Describe SBM Web Services
    - List the execution order the Application Engine uses for Web services, scripts, and transition activities
    - Describe the three methods of authentication supported by SBM Web services
    - Describe the difference between SBM Application Web Services and SBM Administrative Web Services

- Describe SBM Application Web Services methods

- Understanding Events
  - Define the term SBM Event
  - Describe the function of an Application Link
  - Describe the function of an Orchestration Link
  - Describe the function of an Event Map
  - List the ways events can be raised

- Orchestration Use Cases
  - Describe the difference between synchronous and asynchronous orchestration workflows
  - Describe appropriate application of the following use cases:
  - Simple synchronous orchestration that updates a counter when a button/transition is pressed
  - An orchestration that modifies an item based on business rules
  - Control structures:
  - Decision branching, Looping, Subroutines

- Orchestration Error Handling
  - Describe the appropriate application of an Orchestration using scoping with error and compensation trapping
  - Customize Data design in a pre-built process app

- SBM JSON API
  - Describe JavaScript Option Notation (JSON)
  - List use cases for the SBM JSON API
  - Identify JSON functions and objects

- ModScript Overview
  - Define SBM ModScript
  - List uses for SBM ModScript
  - Identify SBM ModScript contexts
  - Add a script to a Process App

- Introduction to Script Development
  - Read a script
  - Edit a script
  - Debug a script

- ModScript Objects
  - List commonly used Shell object properties
  - List commonly used Extension object functions
  - List commonly used Application objects

- ModScript Contexts

- List the transition-related contexts
- Extract SBM template files
- Modify and add a script to a template
- Push template changes back to the database
- Execute a URL context script
- Configure a Notification script
  - ModScript Use Cases
    - Modify a script for a use case
    - Use the script in a process app
  - Course Summary and Glossary
    - Review Course Objectives
    - Review Glossary terms
    - Identify Online Resources

REQUIREMENTS:

This course assumes that you understand the business processes to be implemented and know how to create process apps and orchestrations.

The courses that provide this foundational knowledge are:

- SBM 200 – Designer and Administrator
- SBM 300 – Advanced Designer

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Micro Focus (course completion).

TRAINER:

Authorized Micro Focus Trainer.