Szkolenie: Micro Focus
DA200 - DA for Release Engineers

Cel szkolenia:

This course provides the foundational concepts and skills needed to use Deployment Automation (DA) for deployment.

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

- Describe the deployment automation process
- Navigate the DA web client
- Describe DA architecture
- Describe DA terminology and concepts
- Object Model, Code Station, Applications, Environments, Components, Resources, Agents
- Locate and use plug-ins and integrations
- View component versions, sources, and content
- Use application gates and snapshots
- Execute application processes and snapshots
- Compare environments at component and file level
- Understand Deployment Packages
- Plan and prepare for process development
- Create an DA Application
- Validate Deployments
- Enhance an DA Application
- Describe the process for creating an advanced DA Application

Audience/Job Roles

This course is for those who will be responsible for defining the technical detail of release processes and operating DA to fulfill release automation requirements.

Plan szkolenia:

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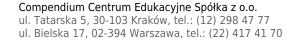   - Review the course objectives

- Introduction to Deployment Automation
    - Describe foundational principles and objectives of Deployment Automation
- Training Case Study
    - Review the Application Components that are to be deployed.
- Navigating the DA Client
    - Log in
    - Navigate the DA web client
    - Access Home, Management and Administration Pages
    - Access Help
    - Log out
- DA Architecture
    - Describe the following terms:
    - Application
    - Component
    - Plug-ins
    - Environment
    - Pipeline
    - Agent
    - Agent Relay
- DA Concepts
    - Describe how the DA Object Model
    - Understand DA Integrations
    - Describe the main objects including Code Station
- Components
    - Understand Components in SDA
    - Configure DA Components for a particular source type
    - Import artifacts into an existing Component
    - Manage Component version statuses
    - Manage Snapshot collections of Component versions
    - Create an Application Gate
- Processes and Properties
    - Understand Processes for Applications, Components and Global use
    - Use the Process Designer to investigate an Application process
    - Use the Process Designer to investigate a Component process
    - Understand Properties in SDA
    - Use the Batch Editor to view environment properties

- View a Component Process step that references a property

- Executing Deployments
    - Run application processes in different environments
    - Deploy an Application using specific component versions
    - Create an Application Snapshot
    - Deploy an Application Snapshot
    - Compare two Environments

- Preparation for Process Development
    - Describe physical infrastructure
    - Describe Interfaces with other systems
    - Software installation and configuration
    - Backup and Recovery
    - Developing and Maintaining Automations

- General Design Considerations
    - Consider good naming practice
    - Consider Version Control/Build System integration
    - Export a DA Application as a JSON file
    - Inspect the JSON file in an editor

- Creating a DA Application
    - Review steps for building a deployment
    - Implement each step by build the Qlarius application
    - Create a new Application, Components, Resources, Resource Groups, Environments
    - Create simple stub processes
    - Map Applications to Environments
    - Map Components to Resource Groups
    - Deploy the Qlarius Application

- Validating Deployments
    - Review Application History
    - Review Component Process Log
    - Examine Process Step Output
    - Examine Process Step Input and Output properties
    - Execute and debug a process
    - Create a Deployment Package

- Enhancing the SDA Application
    - Enhance and revise the Component Process
    - Run and test the new process

- Replace shells steps with the FileUtils plugin steps
- Review the Output logs for each step
- Creating an Advanced Application Process
    - Add a rollback process
    - Create a new Component Process based on an existing process
    - Modify Application Process
    - Modify the Application inventory management
    - Run and test the new process
    - Deploy a new Component version and rollback to the previous version
    - Implement process logic using the switch step and properties
    - Test the new process logic
- Course Summary
    - Review Course Objectives
    - Further Information

Wymagania:

These self-paced online courses are recommended as pre-study:

- 100DA Essentials

Poziom trudności

Certyfikaty:

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

Prowadzący:

Authorized Micro Focus Trainer