

## Training: Micro Focus DA200 - DA for Release Engineers



### TRAINING GOALS:

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.

### CONSPECT:

- 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

## REQUIREMENTS:

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

- 100DA Essentials

## Difficulty level



## CERTIFICATE:

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

## TRAINER:

Authorized Micro Focus Trainer