

# Automatic Workload Automation Design 2

Course Code: 86AUW20011

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## Course Description

Learn how to take your objects (Workflows, Jobs, Variables, etc.) to the next level. Learn about how to make complex dependencies and utilize the expanded features of the Automation Engine. Create dynamic variables and utilize those in user-defined prompts for one-off executions. Pre-define conditions to handle actions for preventative behaviors or additional reporting. Begin to use the Automatic scripting language to programmatically handle certain activities and loops.

## Delivery Method

Instructor-Led

## Duration

Three Days

## Course Objectives

- Define Connection objects to store connection parameters.
- Describe the features and functions of the Queue object.
- Identify the purpose of the tabs in the enhanced view for JOB objects.
- Create Filter objects to search for strings in reports and files.
- Implement extended functionality in Workflows such as additional task properties, external dependencies, and value inheritance.
- Create PromptSet objects to prompt users for input or gain values from Dynamic Variables.
- Identify the features and functions of the Automatic Rollback functionality.
- Synchronize tasks using the Synchronization object (SYNC).
- Describe the Dynamic Variables and their usage.

## Hands-On

This course includes practical hands-on exercises that enable you to test your new skills and begin to use those skills in a working environment.

## Prerequisites

- Automatic ONE Automation Foundations (86AUE10010)
- Automatic Workload Automation Design 1 (86AUW10031)
- Automatic ONE Automation Scripting Foundations (86AUE20010)

# Course Outline

## Module 1: Authorization for Specific Objects

- The Connection Object (CONN)
- RA Jobs
- Example of a Connection Object

## Module 2: All You Need to Know about Queues

- A Queue - What is it?
- The exception: Client\_Queue
- Use cases for Queues in general
- Queue as filter for activities
- Context menu and status
- CLIENT\_QUEUE as a Quantity Limiter
- General Queue object as a Quantity Limiter
- Queue control using Automation Script

## Module 3: JOBS - More than Simple Execution

- Enhanced JOBS topics
- General tab
- Output tab
- Attributes tab
- Runtime tab
- Pre-Process tab
- Post-Process tab

## Module 4: Job Output Analysis

- The Filter (FILTER)
- The Output Scan tab

## Module 5: Workflows - Not Just Dependencies

- Extended functionality in Workflows
- Additional task properties
- External dependencies
- Value Inheritance within a Workflow
- Workflow types

## Module 6: PromptSets in Detail

- The PromptSet object (PRPT)
- Creating PromptSets
- Using PromptSets
- Using PromptSets in objects
- Dynamic PromptSets
- Retrieval of PromptSet definitions
- Multiline text fields

## Module 7: Automatic Rollback Functionality

- The Rollback Function
- Custom Rollback
- File Rollback
- Executing a Rollback
- Rollback after completion
- Restart after Rollback

## Module 8: Synchronization with Logical Resources

- The Synchronization Object (SYNC)
- Defined Rule Set
- Functionality of Sync objects
- Simple Syncs in operation
- Abend action
- Restarting tasks with the WAITING FOR
- SYNC status

## Module 9: Grouping of Single Tasks

- What is a Job Group?
- Creation and usage
- Search for use
- Registering with Automation Script

## Module 10: Automation Script Execution

- The Script Object (SCRI)
  - Include Object for Automation Script
  - Calling Include objects via Automation Script
  - Search for Include objects
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## **Module 11: Dynamic Variables**

- Dynamic Variable Objects
- Variable Object Usage

## **Module 12: Support for Mixed Environments**

- The Generic Job Object

## **Module 13: Flexible Usage of Additional Resources**

- The Storage Object (STORE)

## **Module 14: Service Level Management in AWA**

- The Service Level Objective object (SLO)
  - Service Level Objective tab
  - Service Selection tab
  - Fulfillment Criteria tab
  - SLO monitoring
  - Important final notes
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