

# Automic Workload Automation Design 1

Course Code: 86AUW10031

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## Course Description

Objects are the building-blocks of all Automic products. Jobs, Logins, Workflows, Events, Schedules, and many more are just the beginning of how to make complex dependencies to interact with your environment. This course teaches the student how to handle rudimentary objects and begin using them to leverage for your automation needs. Not all features of all objects are discussed, but enough to get your feet wet and launch you in the right direction.

## Delivery Method

Instructor-Led

## Duration

Three Days

## Course Objectives

- Describe the Automation Engine and its objects
- Explain how authorization works in object execution
- Create and execute Jobs
- Create Workflows to execute multiple Jobs
- Create Notifications and PromptSets
- Create Calendars to determine the days to be considered as start conditions for the execution of tasks.
- Configure tasks to execute periodically or once at a specific time.
- Create and execute FileTransfer objects
- Create and execute Event objects
- Describe the Automation Engine (AE) objects that support dynamic task execution.

## 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

- Automic ONE Automation Foundations (86AUE10010)

## Additional Courses Available

- Automic ONE Automation Scripting Foundations (86AUE20010)
  - Automic Workload Automation Script 1 (86AUW10081)
  - Automic Workload Automation Design 2 (86AUW20011)
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# Course Outline

## Module 1: Introduction

- Goal of the 'AWA Design 1' training course
- Requirements
- Exercises
- Last day: Putting it all together
- Training at Broadcom

## Module 2: Objects and the Automation Engine

- Objects in AE
- Object-oriented programming advantages
- AE short form for objects
- Character conventions for objects
- Benefits of naming conventions for objects
- Folders: Organizational containers
- Creating folders
- Creating objects
- Duplicating objects
- Opening objects
- Closing objects
- Saving objects
- Deleting objects

## Module 3: Authorization for Object Execution

- The Login object
- Log in the operating system/application
- Changing the password
- Entering Agents fully qualified
- Entering Agents partially qualified
- Entering Agents fully and partially qualified

## Module 4: Basic Executables 1

- The JOBS object
- The three most important job parameters
- Where: Selecting the Agent in a Job object
- Who: Selecting the Login in a Job object
- What: Commands or program calls
- Executing tasks
- Information on job execution
- Job report
- Executions window
- Details window

- Optional job parameters
- Automatic deactivation
- Combine parameters to achieve your automation goals
- Creating filters in the Process Monitoring Perspective

## Module 5: Complex objects for OS and Application Executions

- The JOBP (Workflow) object
- Creating a simple Workflow
- The JOBP (Workflow) object
- Object properties
- Time & Dependencies tab
- Earliest Start Time
- Calendar tab
- Postconditions tab
- Attributes tab
- Sub-Workflows
- Monitoring and managing active Workflows
- Workflow Level Commands

## Module 6: Notifications and Interaction

- Notification (CALL) object
- Notification settings
- Notifications within the UserInterface
- Notifying outside of the AE system
- Variable Notifications
- Recipients
- Sending a report using a Notification object
- Notification Usage Examples
- Notification Priority
- Advanced Notifications
- Interaction with PromptSets (PRPT)
- PromptSet operation
- PromptSet usage in Workflows

## Module 7: Planning and Automation

- Planning with Calendars (CALE)
  - Calendar display format
  - Calendar Event types
  - Creating Calendar Events
  - Automation with the Schedule (JSCH) object
  - Execution interval
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- Creating a Schedule
- Active Schedules
- Changing the Period Turnaround

## **Module 8: Manual Task Activation**

- Immediate execution of objects
- Time-delayed, non-recurring Task execution
- Recurring execution of objects
- Recurring execution parameters
- Period object
- Recurring Tasks in the Process Monitoring Perspective

## **Module 9: Enhanced Executables**

- The FileTransfer (JOBF) object
- The Event (EVNT) object

## **Module 10: Objects for Dynamic Execution**

- The Agent Group (HOSTG) object
- Variable objects (VARA)

## **Module 11: Documentation of Tasks and More**

- The Documentation (DOCU) object
- Documentation as a tab of an object
- Documentation methods
- Version management

## **Module 12: Transportation of Object Definitions**

- Import/Export functions
- Import/Export of folders and links

## **Module 13: DB Schema Basic Information**

- General structure of the AE database
- Object area
- Activities
- Archives and Statistics
- Forecast
- Messages
- Processing
- System tables
- Temporary tables

## **Module 14: Putting it all together**

- Practicing entire contents
- Exercise task 1
- Exercise task 2
- Exercise task 3
- Exercise task 4
- Exercise task 5
- Exercise task 6
- Course evaluation survey