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# Dollar Universe Administrator Training

3 days (21 hours)

## Overview

Dollar Universe (Broadcom/Automic) is a job scheduling solution renowned for its unique decentralized architecture. This approach ensures native high availability and the robustness essential for critical production environments.

This training will enable you to master the complete administration of the solution, from node installation to securing data exchanges, including workflow optimization. You will learn to manage the tool via the Unviewer console and automate operations to meet modern performance requirements.

Upon completion of the training, you will be able to create, deploy, and maintain complex Dollar Universe environments, while standardizing your workflows for professional projects.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

## Objectives

- Understand the decentralized architecture and concepts of Dollar Universe (Nodes, Areas, UG).
- Install, configure, and administer components (Nodes, UVMS).
- Manage the lifecycle of scheduling objects (Tasks, Sessions, Uprocs).
- Monitor, troubleshoot, and optimize production.
- Secure access and automate configuration deployments.

## Target Audience

- System and network administrators

- Operations engineers and technicians
- Scheduling managers and technical project managers

## Prerequisites

- Good knowledge of operating systems (Windows or Linux)
- Regular use of the command line (Shell or PowerShell)
- Basic understanding of networking and file transfers

## Software requirements

- At least 8 GB of RAM; 16 GB recommended
- Access to a Linux (Ubuntu/Fedora) or Windows server with administrator privileges
- A terminal for running CLI commands
- A text editor such as VS Code or Notepad++

## Agenda for our Dollar Universe Administrator Training

### [Day 1 - Morning] Fundamentals

#### and Architecture

- Understanding decentralized vs. centralized architecture
- Tool structure: Areas (Production, Simulation, Test, Dev)
- Logical entities: Nodes, Management Units (MU), and Companies
- Technical components: engines, controllers, and calculators
- Overview of the Unviewer Console (UVC)
- Hands-on workshop: Navigating the interface and checking motor status

### [Day 1 - Afternoon]

#### System Installation and Configuration

- Installing a Dollar Universe node (V6/V7)
- Configuring the Management Server (UVMS)
- Managing environment variables and values.xml files
- License Administration and Updates
- Optimizing System Settings
- Hands-on workshop: Complete installation and registration in the UVMS

### [Day 2 - Morning]

#### Configuration and Scheduling Objects

- Creating Uprocs: types, scripts, and variables
- Sequences: Sessions and dependency management
- Resource and Fatal Error Conditions
- Scheduling: Calendars, Cycles, and Tasks
- Routing and Execution Context Management
- Hands-on workshop: Setting up a complex processing chain.

[Day 2 - Afternoon]

## Advanced Monitoring and Operations

- Job Monitoring: Gantt Charts and Run Lists
- Incident Management: Resumption, Forcing, and Acknowledgment
- Intervening on Queues and Priorities
- Logging, purges, and database maintenance
- Reporting and Operational Monitoring
- Hands-on workshop: Incident simulation and resolution via UVC.

[Day 3 - Morning]

## Security and Multi-Node Administration

- Security: Roles, user profiles, and ACLs
- Inter-node communication and communication security
- Deployment: Packages and Patches Across Zones
- Audit Trail: Tracking Configuration Changes
- Multi-company Architectures
- Hands-on Workshop: Security Configuration and Cross-Zone Deployment

[Day 3 - Afternoon] Industrialization

## and Troubleshooting

- Automation via CLI commands (uxsh)
- External monitoring: SNMP logs and alerts
- Troubleshooting and Diagnostics Methodology
- Backups, Versioning, and Recovery Plan
- Production Deployment and Scaling Checklist
- Hands-on Workshop: Final Administration and Performance Audit Project

## Target Audience

This training is intended for both individuals and companies, large or small, wishing to train their teams in a new advanced IT technology or to

acquire specific business knowledge or modern methods.

## Assessment upon enrollment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals regarding the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

## Teaching Methods

Practical Course: 60% Practical, 40% Theory. Training materials distributed in digital format to all participants.

## Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

## Certification

At the end of the session, a multiple-choice quiz is used to verify that the skills have been properly acquired.

## Certification

A certificate will be issued to each trainee who has completed the entire training program.