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Sign up

Dollar Universe Practitioner Training

.3 days (2.5 hours)

Overview

Dollar Universe is a state-of-the-art workload automation solution designed to manage complex IT processes in a decentralized and scalable manner. This modern approach is based on a "node" architecture that enables optimal agility and resilience for production environments.

Our Dollar Universe Practitioner training will help you progress from basic use of the tool to full operational mastery and entry-level administration. You will learn to model complex processing chains, manage operations via the Unviewer Console (UVC), and automate tasks using the command-line interface (CLI).

You will also discover the tool's internal mechanisms (DQM, resources, recovery) to standardize your workflows and secure your deployments. By the end of the training, you will be able to create, deploy, and maintain critical scheduling projects, understand their benefits, and standardize your workflows for professional projects.

Like all our training courses, this one is based on the latest stable version of Dollar Universe and emphasizes a practical and operational approach.

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

Objectives

- Master the architecture of Dollar Universe and the role of the engines (IO, CDJ, BVS).
- Design and model Uprocs, Sessions, and Tasks with advanced schedules.
- Manage day-to-day operations and handle incidents (Restart/Recovery).
- Use the command line (uxsh) to automate administration.

- Manage security via UVMS and deploy objects via packages.

Target Audience

- IT Operations Staff
- System and application administrators
- Production engineers

Prerequisites

- Basic knowledge of IT operations
- Proficiency in using a terminal (Linux or Windows)
- Familiarity with basic scheduling concepts

Software requirements

- At least 8 GB of RAM, 16 GB if possible
- Linux (Ubuntu, Fedora, etc.), macOS, or Windows (preferably with WSL2)
- A terminal (Bash, Zsh, PowerShell / WSL) for running commands
- A code editor

Dollar Universe Practitioner Training: Intermediate Operations and Administration

[Day 1 - Morning]

Fundamentals and

Architecture

- Understanding key concepts: Nodes, Spaces (Operations, Simulation, Test, Design), and object lifecycle
- Software Architecture: Role of Engines (IO, CDJ, BVS, LAN) and the DQM (Data Queue Manager)
- Unviewer Console (UVC) Interface: Configuration, connecting to nodes, and customizing views
- UVMS (Unviewer Management Server): Centralized role for security and topology
- Hands-on Workshop: Navigating the interface, checking engine status, and performing initial diagnostics.

[Day 1 - Afternoon]

Standard Modeling and Planning

- Basic Objects: Creating Management Units (MUs), Schedules, and Periods
- Configuring Uprocs: Types (CL_INT, CMD), internal variables, and parameter passing
- Sessions and Sequences: Logic flows, dependencies, and success conditions
- Task Management: Triggered, Scheduled, and Cyclic Tasks
- Hands-on Workshop: Creating a Complete Processing Chain Including Calendar Conditions.

[Day 2 - Morning]

Advanced Operation and Management

- Operations Monitoring: Monitoring Console and Status Management (Completed, Aborted, Rejected)
- Resource Management: Logical, physical, and quota resources
- Events and Milestones: Waiting for files or external conditions
- Restart and Recovery: Configuring automatic and manual restarts
- Hands-on Workshop: Incident simulation and implementation of automatic restart strategies.

[Day 2 - Afternoon]

Introduction to Administration and CLI

- System Structure: Exploring the DU_HOME directory and log files
- Introduction to the CLI (uxsh): Syntax of the uxadd, uxupd, uxshw, and uxlst commands
- Dynamic session variables: Inheritance and context sharing
- Queue Management (DQM): Creating and Optimizing Processing Queues
- Hands-on Workshop: Creating objects via the command line and manipulating DQM queues.

[Day 3 - Morning]

Security, Networking, and Environments

- Security and ACLs: Fine-grained management of access rights via UVMS
- Network Architecture: Hub Configuration and Optimization of Data Flow Between Nodes
- Deployment and Packages: Creating and Migrating Objects Between Environments
- Versioning: Change history and object version management
- Hands-on Workshop: Creating a package and deploying it securely to a remote node.

[Day 3 - Afternoon]

Maintenance, Performance, and Best Practices

- Database Maintenance: Reorganization (reorg) and purge policies
- Audit and Traceability: Viewing the Audit Trail
- Industrialization: Naming conventions and best practices for structuring

- Production Deployment Checklist and Performance Optimization
- Hands-on Workshop: Comprehensive Audit of an Environment and Validation of Compliance with Standards

Target Audience

This training is intended for both individuals and companies, large or small, wishing to train their teams in new advanced IT technologies or to acquire specific business knowledge or modern methods.

Entry-level assessment

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 for 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 instruction from the instructor—supported by examples and discussion sessions—and group work.

Assessment

At the end of the session, a multiple-choice questionnaire 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.