

# Unified Assurance V6 - API Ed 1 LVC

Oracle Communications

DURATION

**2 Days**

MODULES

**7 Lectures**

COURSE CODE

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## Course Overview

Understand how you can use the Unified Assurance REST API to configure and read data from the application. The course will cover the following topics: REST API Overview JSON REST API Structure Batch API API Examples API Trouble Shooting & Best Practices

## What You Will Learn

### Module 1: Introduction to REST API

- Overview & Objectives
- What is REST API?
- Definition and Concepts
- Why Use REST API?
- Principles of Unified Assurance REST API
- Why Use the Unified Assurance REST API?
- Benefits and Use Cases
- Recap

### Module 2: JSON Basics

- Objectives
- What is JSON?
- Benefits of JSON
- JSON Files and Syntax Rules
- Name-Value Pairs
- Commas and Objects
- Arrays
- Keys and Values
- Commenting
- Recap

## Module 3: REST API Structure

- Objectives
- Authentication
- Basic Authentication
- Authorization
- Path Parameters & Query Parameters
- Request Body Schema & Response Body Schema
- REST API Methods
- Unified Assurance Custom API Methods:
  - readForSelect
  - readInstances
  - readMetricInstances
  - readMetricTypes
  - executeStop, executeStart, executeRestart
- Recap

## Module 4: Batch API

- Objectives
- What is the Batch Processing API?
- Batch API Response
- varType Explanation
- Batch API Read and Loop Operations
- Recap

## Module 5: Assure1 API Access via Perl

- Objectives
- Unified Assurance API Access Methods using Perl
- Assure1::API - Advantages and Disadvantages
- Assure1::API Authentication Methods
- Assure1::API - Creating Event Filters (Step-by-Step Examples 1-6)
- CallAPI - Usage, Advantages, and Disadvantages
- Recap

## Module 6: API Examples and Usage

- Objectives
- API Examples: Web Developer Tools Console
- Examples Continued
- API Examples: Presentation Server
- Recap

## Module 7: Troubleshooting & Best Practices

- Objectives
- JSON Best Practices and Troubleshooting

- API Troubleshooting
- API Usage Best Practices
- Recap