

ServiceNow Automated Test Framework (ATF)

16 Hours

Course Description

The ServiceNow Automated Test Framework (ATF) course is designed to empower ServiceNow system administrators, upgrade specialists, application developers, and test administrators in efficiently verifying and delivering instance changes. ATF enables the creation and execution of automated tests, minimizing the need for manual testing and ensuring the quick and effective deployment of ServiceNow instances. This course provides a comprehensive understanding of ATF's goals, benefits, development process, and various features through a streamlined and interactive format.

Audience

This course is ideal for:

- ServiceNow System Administrators
- Upgrade Specialists
- Application Developers
- Test Administrator

Pre-requisite Knowledge/Skills

- ServiceNow Administration Fundamentals

Course Objectives

Upon completion of the ServiceNow ATF course, participants will be able to:

- Recognize the goals and benefits of using ATF for instance verification.
- Target ATF towards the types of testing it was designed to facilitate.
- Relate the basic building blocks of ATF together and understand the ATF development process.
- Run tests and test suites, analyze results, and use client test runners.
- Create, configure, and schedule tests and test suites.
- Understand ATF administration tasks, roles, system properties, and development-related activities.
- Utilize ATF variables, test templates, and assert test success.
- Create and manage test suites, including parameterized tests and scheduled runs.

Course Outline

Module 1 - Introduction

- Explore the ATF Solution
 - Welcome to Cloud Dimensions
 - Identify ATF goals and benefits
 - Understand ATF purpose and function
- Implement the ATF Solution
 - Define ATF elements
 - Assign ATF roles
 - Develop ATF tests
- Analyze the Impacts on ATF Development
 - Identify ATF development impacts
 - Accelerate development with quick start tests

Module 2 - Run Tests and Test Suites

- Begin Test Creation
 - Evaluate options for test creation
 - Copy and configure quick start tests
 - Create tests from scratch
- Add Test Steps
 - Explore test step configurations
 - Configure test steps
- Incorporate Best Practices
 - Identify best practices
- Test Suites
 - Explore test suites
 - Create test suites
 - Add tests to test suites
 - Add child test suites
- Schedule Test Suites
 - Create schedules
 - Prepare client test runners

Module 3 - Create and Schedule Tests and Test Suites

- Repeat of Module 2 content

Module 4 - Administration

- Administration Tasks
 - Assign ATF roles
 - Enable ATF to run on instances
 - Update ATF system properties
 - Understand test runner options
 - Define test result retention policies
 - Migrate ATF development
- Development Tasks
 - Create test templates
 - Create custom test step configurations

Module 5 - Using the Automated Test Framework

- Automated Test Framework Objectives
- About This Learning Module
- What is the Automated Test Framework?
- Tests
 - Enabling and Running Tests
 - Viewing Test and Test Step Results
 - Debugging Tests
- ATF Variables
 - Using ATF Variables
- Test Templates
 - Creating Test Templates
- Test Suites
 - Creating Test Suites
 - Running Test Suites
 - Rerunning Test Suites
- Parameterized Tests
 - Creating Parameterized Tests
- Scheduling
 - Create a Schedule
 - Scheduled Client Test Runners
 - Scheduled Test Notifications
- Test Your Automated Test Framework Knowledge

