



## Micro Focus Server Automation 10.0

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### Adoption Readiness Tool (ART)

The Adoption Readiness Tool (ART) provides initial and ongoing enablement to your users to ensure that you get the most out of your software. ART is a cost-effective, comprehensive IT education, documentation and performance support solution. ART provides pre-built simulation-based courses in Micro Focus software that can be accessed by users anytime, anywhere.

ART content provides easy access to self-paced learning content enabling your users to not only dive into an online course, but also to gain direct access to individual components to quickly master specific tasks.

- Access printable job aids targeted towards specific application tasks.
- View or practice a task in a simulated environment.
- Experience full learning with key terms and concepts, product demonstrations and selfassessments by viewing the entire course.

Regardless of which route chosen, users will gain an understanding of the important key concepts, as well as gain competency in both the navigation and functionality of the application.

### Course Description

Users will gain an understanding of the important key concepts, as well as gain competency in both the navigation and functionality of the HPE Server Automation 10.0 product.

### Audience/Job Roles

All users of the Operations Orchestration application.

### Course Objectives

Upon successful completion of this course, you should be able to:

- Manage software, packages, patches and application configurations.
- Provision servers, manage physical and virtual environments.
- Enforce compliance.
- Audit server activity.

- Manage Server with Distributed Scripts

## Course Topics

Modules	Objectives
<b>Server Automation 10.0</b>	
<b>Module 1: Introduction</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Key Features of HP Server Automation</li> <li>• Automation and Management Engine</li> <li>• Typical Customer Use Cases</li> <li>• Measurable Return on Investment (ROI)</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 2: Explore SA 10.0 Architecture and Interfaces</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Basic SA Terminology</li> <li>• SA Users and Responsibilities</li> <li>• SA Core Components</li> <li>• Multimaster Mesh</li> <li>• Satellite Facility</li> <li>• Install and Run the SA Client</li> <li>• Download and Install the SA Client Launcher*</li> <li>• Launch the SA Client*</li> <li>• Explore the Devices and Library*</li> <li>• Explore the Managed Server*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 3: Integrating Servers into Server Automation</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Manually Add and Remove an Agent</li> <li>• Manually Remove an Agent*</li> <li>• Manually Add an Agent*</li> <li>• Integrate a Solaris Server into SA</li> <li>• Discover an Unmanaged Server and Deploy an Agent*</li> <li>• Verify the Agent Deployment*</li> <li>• Explore Agent Directories and Files on a Managed Server</li> <li>• Explore Directories and Files on a Managed Windows Server*</li> <li>• Explore Directories and Files on a Managed UNIX Server*</li> <li>• Summary</li> <li>• Assessment</li> </ul>

<p><b>Module 4: Provisioning Operating Systems with SA</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Introducing OSBPs</li> <li>• What's New in OSBPs</li> <li>• Set and Verify Required Custom Attributes for Windows*</li> <li>• Customize the Win2008R2 x64 Default Install OSBP*</li> <li>• Set and Verify Required Custom Attributes with RedHat*</li> <li>• Copy and Customize the RedHat OS Build Plan*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 5: Manage Virtualization</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Using the SA Client Wizard</li> <li>• Verify Zone Creation Requirements*</li> <li>• Create a Zone Using the SA Client Wizard*</li> <li>• Verify the Creation of a Zone with the Wizard*</li> <li>• Create a Zone Using a Command Script</li> <li>• Using a Command Script to Create a Zone*</li> <li>• Verify the Creation of a Zone with a Command Script*</li> <li>• Manage Zones with the SA Client</li> <li>• Start and Stop a Zone*</li> <li>• Modify an Existing Zone*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 6: Create Device Groups</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Create Static Groups</li> <li>• Create a Static Group for Managed Solaris Servers*</li> <li>• Create a Static Group for Windows Servers*</li> <li>• Find Unpatched Servers and Create a Dynamic Group</li> <li>• Find Servers Needing Patch 12044 - Create a Dynamic Group*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 7: Manage Packages and Software Policies</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• About Creating a Software Policy</li> <li>• Create a Folder Hierarchy*</li> <li>• Import the Packages*</li> <li>• Review Existing Software Policy Content*</li> <li>• Attach and Remediate a Software Policy</li> <li>• Attach the Software Policy*</li> <li>• Verify the Software Installation*</li> <li>• Summary</li> <li>• Assessment</li> </ul>

<p><b>Module 8: Manage Application Configuration Files</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Set Application Configuration Values</li> <li>• View the App Config File and its Template Content (Windows)*</li> <li>• Attach the Application Configuration to Your Windows Server*</li> <li>• Set the Application Configuration Values*</li> <li>• Push the Application Configuration to the Server*</li> <li>• View the App Config File and its Template Content (UNIX) *</li> <li>• Set Global Values for the Config at Application Level*</li> <li>• Add Values to App Config at Server Level - Push Config to Server</li> <li>• Create a Public Device Group with Your Solaris Servers*</li> <li>• Attach the Application Config to Your Solaris Server Group*</li> <li>• View Inherited and Preserved Config Values on a Server Instance*</li> <li>• Import and Add Values to the Config on Virtual Server 2 (Zone2) *</li> <li>• Push the Application Configuration Changes*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 9: Manage Patches</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Applying Patches</li> <li>• Review Patches Before Installation*</li> <li>• Apply a Patch Using the Ad Hoc Installation Feature*</li> <li>• Install Windows Patches Using a Patch Policy</li> <li>• Create a Patch Policy*</li> <li>• Set a Patch Policy Exception*</li> <li>• Attach a Patch Policy to the Server*</li> <li>• Remediate the Patch Policy*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 10: Manage Server and Application Compliance</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Create and Run an Audit from an Audit Policy in Windows</li> <li>• Create a Windows Audit Policy*</li> <li>• Create and Run a Value-Based Audit in Windows*</li> <li>• View the Windows Audit Result*</li> <li>• Create and Run an Audit from a Snapshot in UNIX</li> <li>• Create and Run a Snapshot Specification in UNIX*</li> <li>• Create an Audit with an Audit Rule Exception in UNIX</li> <li>• Create and Run an Audit from an Audit Policy in UNIX*</li> <li>• Create a UNIX Audit Policy*</li> <li>• Add a Rule Exception and Rerun an Audit in UNIX*</li> <li>• Create a Nested Audit Policy*</li> <li>• Summary</li> <li>• Assessment</li> </ul>

<p><b>Module 11: Enforce Compliance</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• View Compliance Status</li> <li>• Scan and View an Individual Server for Compliance*</li> <li>• Scan and View a Group of Servers for Compliance*</li> <li>• View a Device Group Compliance Setting*</li> <li>• Remediate a Non-Compliant Server</li> <li>• Remediate the Software Policy*</li> <li>• Remediate the Application Configuration*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 12: The Global Shell and Global File System</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Change the Default Terminal Session*</li> <li>• The Global Shell and OGFS</li> <li>• Launch the Global Shell and View Servers Through OGFS*</li> <li>• The Remote Shell (ROSH) Command</li> <li>• Jump to a Managed Server Using ROSH*</li> <li>• Connect with a Managed Server*</li> <li>• Push Commands to a Managed Server Using ROSH*</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<p><b>Module 13: Manage Servers with Distributed Scripts</b></p>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• Creating and Executing a UNIX Script</li> <li>• Run an Ad Hoc UNIX Script*</li> <li>• Create a Private, Saved UNIX Script*</li> <li>• Run a Private Script*</li> <li>• Create and Execute a Shared Windows Script</li> <li>• Create a Shared Script*</li> <li>• Run a Script and Review the Results*</li> <li>• Executing PowerShell Commands and Scripts</li> <li>• Launch a PowerShell Terminal*</li> <li>• Run PowerShell Commands*</li> <li>• Summary</li> <li>• Assessment</li> </ul>

**Module 14: Using the  
Application Deployment  
Manager**

- Introduction
- Objectives
- Software Deployment
- The ADM Process
- Create a New Environment\*
- Create a New Lifecycle\*
- Create a New Tier Group and New Tiers\*
- Define a New Application\*
- Define Components in the AMP Tier\*
- Define Components for the Application Tier\*
- Create a New Application Version\*
- Create Targets\*
- Deploy the Application Version to the Development Environment\*
- Verify the Deployment\*
- Deploy an Updated Version of the Application\*
- Roll Back the Application to a Previous Version\*
- Summary
- Assessment

\* Indicates a simulation.