



## Data Center Automation X 2019.05

---

### 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 self-assessments 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

Micro Focus DCA provides lifecycle management at scale across heterogeneous virtual and physical servers, database, and middleware applications in the most diverse IT environments including provisioning, patching, compliance audit, and closed-loop remediation.

This course focuses on teaching the processes embedded in Data Center Automation and the tasks performed by the users. This course covers the following areas: Architecture of DCA and APIs, auditing the resources, managing users, user groups, roles, system configurations, policy subscriptions, controls, benchmarks, and policies, importing resources, executing custom actions, and running patch and compliance scans on resources.

### Audience/Job Roles

This course is intended for all Data Center Automation (DCA) users.

## Course Objectives

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

- Describe the major concepts in DCA, few use cases of DCA, and DCA APIs.
- Discuss the permission sets and get an overview of different roles in DCA.
- Manage controls, benchmarks, patch bundles, policies, and build plan.
- Work with resources, resource groups, maintenance schedules, and custom actions.
- Explain the risk and compliance concepts in DCA.

## Prerequisites / Recommended Skills

To be successful in this course, you need to have a working knowledge of Docker and Kubernetes concepts, basic knowledge about server lifecycle concepts such as provisioning, patching, IT vulnerability risk and compliance, networking terms, web browsers, and different operating system environments.

## Course Topics

Modules	Objectives
<b>Module 1: Introduction to Data Center Automation (DCA)</b>	<ul style="list-style-type: none"><li>• Introduction</li><li>• Objectives</li><li>• About DCA</li><li>• Introduction to ITOM-CDF Components</li><li>• Benefits of Containerized Deployment</li><li>• Test Your Knowledge!</li><li>• Introduction to the DCA Suite</li><li>• Introduction to DCAX</li><li>• Features of DCA</li><li>• Overview of DCAX</li><li>• Three-Step Approach in DCA</li><li>• The Vulnerability Risk Dashboard (CVE)</li><li>• The Regulatory Compliance Dashboard</li><li>• Users of DCA</li><li>• Explore the DCA User Interface *</li><li>• Concepts in DCA</li><li>• Explore the Concepts in DCA *</li><li>• Key Benefits of DCA</li><li>• DCA Use Cases</li><li>• IT Compliance Management</li><li>• Vendor Recommended Patching</li><li>• OS Provisioning</li><li>• Summary</li><li>• Assessment</li></ul>
<b>Module 2: DCA Architecture and API</b>	<ul style="list-style-type: none"><li>• Introduction</li><li>• Objectives</li></ul>

	<ul style="list-style-type: none"> <li>• Foundation Model</li> <li>• Functional Model</li> <li>• Implementation Model</li> <li>• Single Node Deployment</li> <li>• Single Master and Worker Nodes</li> <li>• Multi-Master and Worker Nodes</li> <li>• Production Integration with DCA</li> <li>• DCA APIs</li> <li>• API Exposure</li> <li>• API Authentication</li> <li>• Capabilities with DCAX API</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 3: DCA for Authors</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• DCA Author – Permission Sets and Actions</li> <li>• Managing Controls</li> <li>• Create, Edit, and Delete a Control *</li> <li>• Managing Benchmarks</li> <li>• Create, Edit, and Delete a Benchmark *</li> <li>• Managing Patch Bundles</li> <li>• Create, Edit, and Delete a Patch Bundle *</li> <li>• Managing Policies</li> <li>• Create, Edit, and Delete a Policy *</li> <li>• Managing OS Provisioning</li> <li>• Create, Edit, and Delete a Build Plan *</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 4: DCA for Operator</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• DCA Operator – Permission Sets and Actions</li> <li>• Executing OS Build Plans</li> <li>• Importing Resources to DCA</li> <li>• Import a Resource to DCA *</li> <li>• Associating Maintenance Schedules with Resource Groups</li> <li>• Associate the Maintenance Schedule with a Resource Group *</li> <li>• Associating Policy Subscriptions with Resource Groups</li> <li>• Associate a Policy Subscription with a Resource Group *</li> <li>• Executing Actions on Resources</li> <li>• Execute a Custom Action on a Resource *</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 5: DCA for Auditors</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• DCA Author – Permission Sets and Actions</li> <li>• Discovering Resources</li> <li>• Discover a Resource *</li> <li>• Viewing and Verifying Content</li> <li>• Running Compliance Scans</li> <li>• Run a Compliance Scan on a Resource *</li> <li>• Running Patch Scans</li> </ul>

	<ul style="list-style-type: none"> <li>• Run a Patch Scan on a Resource *</li> <li>• Viewing Reports</li> <li>• The Policy Compliance Details Report</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 6: DCA for Role Administrators</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• DCA Role Administrator – Permission Sets and Actions</li> <li>• Managing Users</li> <li>• Manage a User *</li> <li>• Managing Roles</li> <li>• Manage a Role *</li> <li>• Managing User Groups</li> <li>• Manage a User Group *</li> <li>• Associating Maintenance Schedules with Resource Groups</li> <li>• Associate the Maintenance Schedules with a Resource Groups *</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 7: DCA for Administrator</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> <li>• DCA Administrator – Permission Sets and Actions</li> <li>• Managing Credentials</li> <li>• Manage the Resource Credentials *</li> <li>• Integrating DCA with Server Automation</li> <li>• Requirements for Integration of DCA with SA</li> <li>• Integrating DCA with Puppet Server</li> <li>• Integrating DCA with Operations Bridge Reporter</li> <li>• Managing the System Configuration</li> <li>• Manage the System Configuration *</li> <li>• Managing Policy Subscription</li> <li>• Manage the Policy Subscription *</li> <li>• Managing Controls</li> <li>• Create, Edit, and Delete a Control *</li> <li>• Managing Benchmarks</li> <li>• Create, Edit, and Delete a Benchmark *</li> <li>• Managing Policies</li> <li>• Create, Edit, and Delete a Policy *</li> <li>• Importing Resources to DCA</li> <li>• Import a Resource to DCA *</li> <li>• Executing Actions on Resources</li> <li>• Execute a Custom Action on a Resource *</li> <li>• Executing OS Build Plans</li> <li>• Discovering Resources</li> <li>• Discover a Resource *</li> <li>• Running Patch Scans</li> <li>• Run a Patch Scan on a Resource *</li> <li>• Viewing Reports</li> <li>• The Policy Compliance Details Report</li> <li>• Summary</li> <li>• Assessment</li> </ul>
<b>Module 8: DCA for Risk and Compliance Management</b>	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Objectives</li> </ul>

	<ul style="list-style-type: none"><li>• Overview of Risk and Compliance</li><li>• IT Compliance Management</li><li>• Vulnerability Risk Management</li><li>• Risk Management Vulnerability and Compliance Standards</li><li>• Three-Step Approach in DCA</li><li>• Risk Management using DCA</li><li>• Perform Dynamic Patching on RHEL *</li><li>• The Vulnerability Risk Dashboard (CVE)</li><li>• Compliance Management using DCA</li><li>• Perform a Compliance Scan and Schedule a Scan for a Resource *</li><li>• The Regulatory Compliance Dashboard</li><li>• Resource Level Compliance Reports and Dashboards</li><li>• Summary</li><li>• Assessment</li></ul>
--	---

❖ \* Indicates a simulation