



Network Automation 2021-11

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.

This ART Course contains Voice Narrations in both the course modules and simulations. The audio controls at the bottom of the page enable you to pause, play, and stop the audio, enable/disable the audio, and also display the audio transcript text.



Learn more about ART <https://www.microfocus.com/en-us/education/art>

Samples from all our ART Courses can be found at:

<https://www.mfartsamples.com/art/art-demos.html>

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 Network Automation helps customers meet audit and compliance requests, perform device configuration management, improve security with policy management, reduce costs using automated tasks, and increase network stability and uptime.

This course covers how an Operator uses the Network Automation (NA) Web Console interface to discover and configure network devices, assign device drivers, execute tasks, deploy change plans, apply security policies, generate reports and perform user management.

Audience/Job Roles

This course is intended for Network Operators using Micro Focus Network Automation.

Course Objectives

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

- Manage network devices by learning how to discover new devices, assign device drivers, create, and deploy NA configuration templates.
- Perform device Configuration Management tasks by learning how to take device snapshots, view device configuration details, and compare configuration versions.
- Perform device Change Management tasks by creating and using Change Plans and Change Scripts to perform, validate, and verify device configuration changes.
- Ensure Device Compliance by creating and using Policies to verify that devices are compliant to best practices and industry standards and perform auto-remediation.
- Generate multiple types of Reports in NA to view network and device status and use summary reports and network diagrams.
- Perform user management to create multiple user and operator accounts, define roles, and assign privileges and permissions to allow access to network devices.

Prerequisites / Recommended Skills

To be successful in this course, you need to have a working knowledge of the TCP/IP protocol stack, including network protocols such as SNMP, Telnet, and SSH. Additional knowledge about your network topology and the Linux Command Line Interface will be useful while using NA to monitor your network.

Course Topics

Modules	Objectives
Module 1: Introduction to Network Automation	<ul style="list-style-type: none">▪ Introduction▪ Objectives▪ Network Automation and Configuration Management▪ Automating Configuration Management Using Change Plans▪ Standardization and Policy Compliance▪ Automation of Device Lifecycle Management▪ Network Visibility▪ Disaster Recovery▪ Device OS Software Upgrades

	<ul style="list-style-type: none"> ▪ Summary ▪ Assessment
Module 2: Device Management	<ul style="list-style-type: none"> ▪ Introduction ▪ Objectives ▪ Discovering Devices and Device Drivers <ul style="list-style-type: none"> • Defining Device Password Rules • Define Device Password Rules * • Importing Device Details • Import Device Details * • Discovering a Network Device • Discovering a Device Driver • Maintaining Device Inventory • Displaying Device Groups ▪ Configuring and Exploring Devices <ul style="list-style-type: none"> • Device Configuration Templates • Creating a Device Configuration Template • Create a Device Configuration Template * • Deploying Device Configuration Template • Deploy a Device Configuration Template * • Viewing Device Configuration • Editing Device Configuration • Taking a Device Snapshot – New Task/Template • Task Device Snapshot Options • Exploring Device Details • Explore Device Details * ▪ Summary ▪ Assessment
Module 3: Managing Device Tasks	<ul style="list-style-type: none"> ▪ Introduction ▪ Objectives ▪ My Tasks ▪ Task Load ▪ Task Information ▪ Display Task Information * ▪ Running Diagnostics ▪ Run Diagnostics Task * ▪ Device Groups ▪ Create and Execute Tasks on a Device Group * ▪ Create a New Parent Device Group * ▪ Creating a Multi-Task Project ▪ Create and Deploy a Multi-Task Project * ▪ Summary ▪ Assessment
Module 4: Manage Change Plans	<ul style="list-style-type: none"> ▪ Introduction ▪ Objectives ▪ Accessing Change Plans from the menu ▪ Viewing a Change Plan ▪ Editing Change Plans and Adding New Conditions ▪ Creating a Change Plan ▪ Create a Change Plan * ▪ Viewing Change Scripts

	<ul style="list-style-type: none"> ▪ Deploying a Change Plan ▪ Deploy and Run Change Plans on Devices * ▪ Running an Advanced Change Script ▪ Run Advanced Change Script * ▪ Summary ▪ Assessment
Module 5: Policy Management	<ul style="list-style-type: none"> ▪ Introduction ▪ Objectives ▪ About Policy Management ▪ Configuring a Diagnostics Policy ▪ Configure a Diagnostics Policy * ▪ Running a Diagnostics Policy ▪ Run a Diagnostics Policy * ▪ Creating a Remediation Script ▪ Create a Remediation Script * ▪ Executing a Remediation Script ▪ Execute a Remediation Script * ▪ Creating a Policy with Dynamic Scope ▪ Create a Policy with Dynamic Scope * ▪ Summary ▪ Assessment
Module 6: Report Tasks	<ul style="list-style-type: none"> ▪ Introduction ▪ Objectives ▪ Displaying Reports using NA ▪ Display Reports using NA * ▪ Display Compliance Center Reports * ▪ Creating a User Defined Report ▪ Create a User Defined Report * ▪ Generating a Search Report ▪ Generate a Search Report * ▪ Creating a Summary Report ▪ Create a Summary Report * ▪ Creating Network Diagrams ▪ Create Network Diagrams * ▪ Summary ▪ Assessment
Module 7: User Management	<ul style="list-style-type: none"> ▪ Introduction ▪ Objectives ▪ Configuring a User Account in NA ▪ Create a User Account * ▪ Configure a User Role * ▪ Create a Security Partition * ▪ Configure a User Group * ▪ Create a Workflow * ▪ Configuring a Notification Rule ▪ Configure a Notification Rule * ▪ Summary ▪ Assessment

❖ Indicates a simulation