

## **Nutanix Multicloud Automation Administration (NMCAA) Course Details**

### **Description**

This course teaches you the skills needed to install, configure, operate, and manage Nutanix X-Play and Nutanix Calm (renamed to Nutanix Cloud Manager (NCM) Self-Service).

In this course, you will explore a number of subjects including:

- How to perform codeless task automation using X-Play and its actions gallery, plays, and playbooks
- What Nutanix Calm is, how to install and configure it, and how to use the Marketplace to launch blueprints and runbooks
- How to create single- and multi-VM blueprints, and how to publish them to the Marketplace for consumption
- How to manage an application
- How to identify issues with Nutanix Calm and X-Play

### **Audience**

- IT administrators who manage Nutanix clusters and want a detailed deep dive into multicloud automation using Nutanix Calm
- Anyone pursuing the Nutanix Certified Professional - Multicloud Automation (NCP-MCA) certification

### **Prerequisites**

This advanced course requires you to possess a basic Nutanix system administration skill set which includes:

- Familiarity with traditional virtualization storage architectures
- Hands-on experience with the Prism and Command-line interfaces
- An understanding of Nutanix core concepts and definitions, which can be found [here](#)

These skills can be acquired by attending one of our basic admin courses (Enterprise Cloud Administration), or through on-the-job experience working on a Nutanix system for at least 6 months.

### **Course Outline**

#### **1: IT Operations Automation Using X-Play**

- IT automation with Nutanix
- Task automation using X-Play

#### Hands-on Labs

- Prism Element and Prism Central Setup
- Creating a Manually Triggered Playbook
- Creating an Alert Triggered Playbook

### **2: Application Automation Using Nutanix Calm**

- Introduction to Nutanix Calm
- Nutanix Calm Deployment Models
- Installing and Configuring Nutanix Calm
- Working with the Calm Marketplace
- Nutanix Calm Plug-ins

#### Hands-on Labs

- Enabling Calm
- Creating a Calm Project

### **3: Working with Blueprints and Runbooks**

- Introduction to Calm Blueprints
- Creating a Single-VM Blueprint
- Creating a Multi-VM Blueprint
- Publishing and Launching a Blueprint
- Using the Marketplace Manager
- Managing Applications
- Working with Endpoints and Runbooks

#### Hands-on Labs: Single VM Blueprints

- Creating a Single VM Blueprint
- Downloading and Launching a Blueprint
- Publishing a Single VM Blueprint to the Marketplace

- Launching a Blueprint from the Marketplace
- Unpublishing and Deleting a Blueprint
- Importing a Blueprint

#### Hands-on Labs: Multi VM Blueprints and Runbooks

- Creating a Multi-VM Blueprint
- Creating Services
- Adding Dependencies
- Configuring Day 2 Operations
- Launching the Full LAMP Stack
- Configuring Endpoints
- Configuring and Executing a Runbook

#### **4: Advanced Calm Actions and Blueprint Management**

- Macros
- Scripts
- The Library
- Categories

#### **5: Identifying Issues with Calm and X-Play**

- Identifying Causes of Deployment Failure
- Validating Playbook Configurations
- Log Collection

#### Hands-on Labs

- Import a Problem Blueprint
- Troubleshoot a Problem Blueprint

#### **Terms and Conditions**

- Customer must purchase training seats in advance of scheduling course dates.
- Customer may not cancel purchased training seats and all amounts paid are non-refundable.

- Customer may reschedule courses with no less than 15 business days written notice to Nutanix. Rescheduling fees may apply.
- Customer may substitute a student with no less than 5 business days written notice to Nutanix. Rescheduling fees do not apply to substitutions.
- Training seats must be consumed within 6 months of purchase. Failure to utilize the training seats within the 6 months of purchase shall result in forfeiture of all fees paid for such seats. Extensions may be available on a case by case basis.
- Most of our Authorized Training Partners (ATPs) have a 10-business day cancellation and/or reschedule policy. If customer cancels or reschedules within those 10 business days, fees may apply up to the full price of the seat.
- Nutanix reserves the right to cancel any scheduled course due to minimum enrollment not being achieved, instructor illness, or other events outside of its control.
- Cancellation notices will be sent to enrolled students by email with rescheduling information and alternative training options.

## **Course Details**

### **Level**

- Professional

### **Related Certification**

- [Nutanix Certified Professional - Multicloud Automation \(NCP-MCA\)](#)

### **Software Versions**

- AOS
- Prism Central
- Calm

### **Delivery Methods**

#### **Instructor-Led**

- 2-days
  - Public delivery: virtual
  - Private delivery: virtual
- Includes hands-on lab

- Comes with a free NCP-MCA exam voucher
- [Contact us](#) for pricing and training options

**Self-Paced Online**

- 10 hours
- Video demonstrations of labs