



NUTANIX TRAINING

Nutanix Multicloud Automation Administration

Master Nutanix Multicloud Automation to deploy, manage, and optimize cloud environments across hybrid infrastructures. Automate tasks efficiently.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "Nutanix Multicloud Automation Administration," provides comprehensive training on leveraging Nutanix Cloud Manager (NCM) Automation, including Nutanix Calm, to streamline IT operations across hybrid and multicloud environments. Participants will delve into the core technologies that enable intelligent automation, self-service provisioning, and consistent application deployment, whether on-premises with Nutanix AHV or in public clouds like AWS, Azure, and GCP. The curriculum is designed to empower IT professionals with the skills to design, implement, and manage complex automation workflows that significantly reduce manual effort and accelerate service delivery.

Through hands-on exercises and practical scenarios, you will master the creation of automation blueprints, develop custom workflows, integrate with existing IT services, and establish robust governance policies for your multicloud landscape. This course focuses on transforming traditional IT service delivery into an agile, automated, and self-service model, ensuring faster time-to-market for applications and services while maintaining compliance and cost efficiency. Upon completion, you will be proficient in automating infrastructure and application lifecycle management, paving the way for a truly elastic and responsive enterprise cloud.

Acquiring these advanced automation skills not only enhances your operational efficiency but also strategically positions you as a key contributor to your organization's digital transformation initiatives. By optimizing resource utilization and minimizing human error, you will help drive significant cost savings and improve overall IT service quality, making you an invaluable asset in any modern IT department managing a complex multicloud estate.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Introduction to Nutanix Cloud Manager (NCM) Automation

- Overview of Nutanix Cloud Manager capabilities
- Understanding NCM Automation and its role in multicloud
- Key concepts of IT automation, orchestration, and self-service
- Nutanix Calm architecture and components
- Planning for automation in hybrid and multicloud environments

02 Module 2: Nutanix Calm Blueprints and Application Modeling

- Creating and configuring Nutanix Calm blueprints
- Defining application tiers and services
- Working with services, packages, and profiles
- Utilizing marketplace items and importing blueprints
- Blueprint parameters, variables, and macros

03 Module 3: Advanced Workflows and Orchestration

- Developing custom actions and scripts (Python, PowerShell)
- Integrating with external services and APIs
- Designing complex lifecycle management workflows
- Implementing conditional logic and looping in blueprints
- Debugging and troubleshooting automation workflows

04 Module 4: Self-Service Portal and Governance

- Configuring the NCM Self-Service Portal
- Managing service catalogs and approvals
- Implementing Role-Based Access Control (RBAC) for automation
- Setting up quotas, budgets, and cost governance policies
- Monitoring and reporting on automation usage and costs

05 Module 5: Multicloud Integration and Management

- Connecting NCM Automation to public cloud providers (AWS, Azure, GCP)
- Extending Calm blueprints to deploy applications in public clouds
- Managing hybrid cloud application deployments
- Cross-cloud networking considerations for automated deployments
- Best practices for secure multicloud automation

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Multicloud Automation Engineer**
- > **Hybrid Cloud Platform Administrator**
- > **DevOps Engineer (Nutanix & Multicloud Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What specific automation skills will I gain from this course that are directly applicable to a hybrid cloud environment, beyond basic VM provisioning?

This course will equip you with the advanced skills to design and deploy complex, multi-tier application blueprints that span both on-premises Nutanix infrastructure and public clouds like AWS or Azure. You'll learn to develop custom actions with scripting, integrate with external APIs for end-to-end automation, implement advanced lifecycle management workflows (e.g., scaling, patching, recovery), and establish comprehensive governance across your entire multicloud estate, moving far beyond simple VM deployment.

Q: Is prior experience with Nutanix AHV or public cloud platforms a prerequisite for effectively utilizing the multicloud integration aspects of this course?

While not strictly a prerequisite, an intermediate understanding of virtualization concepts and basic familiarity with either Nutanix AHV administration or a major public cloud platform (e.g., AWS EC2, Azure VMs) will be beneficial. The course focuses on the automation layer with Nutanix NCM and Calm; however, having foundational knowledge of the underlying infrastructure targets will help you grasp the integration concepts and practical exercises more deeply.

Q: How will this Nutanix Multicloud Automation Administration course enhance my ability to implement a self-service IT model within my organization using Nutanix technologies?

This course directly addresses the implementation of a robust self-service IT model. You will learn to configure and customize the NCM Self-Service Portal, design user-friendly service catalogs, implement approval policies, and set up granular Role-Based Access Control (RBAC). By mastering these capabilities, you'll be able to empower developers and end-users to provision their own applications and infrastructure on demand, significantly reducing IT bottleneck and increasing organizational agility, all while maintaining centralized control and compliance.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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