



NUTANIX TRAINING

Nutanix Enterprise Cloud Solution Design Boot Camp

Design and implement Nutanix Enterprise Cloud solutions. Master hyperconverged infrastructure for scalable, resilient data centers.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Nutanix Enterprise Cloud Solution Design Boot Camp is an intensive, intermediate-level program crafted for IT architects, infrastructure engineers, and consultants aiming to master the art of designing robust, scalable, and secure Nutanix enterprise cloud solutions. This boot camp dives deep into transforming business requirements into highly efficient technical designs, enabling participants to leverage Nutanix's hyperconverged infrastructure (HCI) to build modern data centers and seamlessly integrate hybrid cloud strategies. You will gain a profound understanding of core Nutanix technologies and how to apply them to solve complex enterprise challenges.

Throughout this hands-on boot camp, participants will explore advanced topics such as compute and storage sizing, network design, disaster recovery architectures, data protection strategies, and integrating Nutanix with public cloud environments. We will cover essential components like Nutanix AOS, AHV, Prism Central, Flow Network Security, Files, Objects, and Volumes, emphasizing best practices for optimizing performance, resilience, and operational efficiency. This course focuses on practical design methodologies, preparing you to architect multi-cloud solutions that meet stringent enterprise demands for availability, security, and scalability.

Upon completion, you will possess the expertise to confidently design and implement cutting-edge Nutanix solutions, significantly enhancing your value as a crucial contributor to digital transformation initiatives within any organization. This specialized training will not only sharpen your technical design skills but also position you for advanced certifications, propelling your career forward in the dynamic landscape of enterprise cloud computing.

Level	Intermediate
Vendor	Nutanix

COURSE CURRICULUM

01 Module 1: Foundations of Nutanix Design & Architecture Principles

- Hyperconverged Infrastructure (HCI) design fundamentals
- Nutanix Enterprise Cloud components (AOS, AHV, Prism)
- Translating business requirements into technical design specifications
- Key design considerations: performance, scalability, resilience, availability
- Understanding different Nutanix deployment models and use cases

02 Module 2: Core Infrastructure Design & Sizing

- Nutanix compute (AHV) and memory design for various workloads
- Storage design strategies: data locality, containers, deduplication, compression, erasure coding
- Network design for Nutanix clusters: virtual networks, physical uplinks, segmentation
- Sizing and capacity planning methodologies using Nutanix Sizer
- Designing for high availability (HA) and fault tolerance within a cluster

03 Module 3: Advanced Data Services & Security Design

- Designing solutions with Nutanix Files, Objects, and Volumes
- Disaster Recovery (DR) and Business Continuity (BC) design strategies (Nutanix DR, Metro Availability)
- Data protection and backup integration (e.g., Nutanix Mine, third-party solutions)
- Security architecture with Nutanix Flow Network Security (microsegmentation, VPN)
- Identity and Access Management (IAM) best practices for Nutanix

04 Module 4: Hybrid Cloud & Automation Design

- Integrating Nutanix with public cloud providers (AWS, Azure) for hybrid strategies
- Designing with Nutanix Cloud Clusters (NC2) on public cloud
- Automation and orchestration with Nutanix Calm and APIs
- DevOps principles and infrastructure as code (IaC) integration for Nutanix
- Cost optimization and governance in a multi-cloud Nutanix environment

05 Module 5: Solution Design Workshop & Best Practices

- Scenario-based design exercises and case studies
- Performance optimization and troubleshooting design considerations
- Operational best practices and lifecycle management of Nutanix solutions
- Regulatory compliance and industry standard considerations in design
- Preparation for Nutanix professional and master-level design certifications

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Nutanix Enterprise Cloud Architect**
- > **Hybrid Cloud Solutions Engineer**
- > **Senior Infrastructure Design Consultant**

FREQUENTLY ASKED QUESTIONS

Q: What prior experience or certifications are recommended before attending this Nutanix Enterprise Cloud Solution Design Boot Camp?

This intermediate-level boot camp assumes a foundational understanding of virtualization concepts (VMware, Hyper-V) and basic networking. While not strictly required, prior experience with Nutanix administration, such as completing the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI) course, or equivalent operational experience with Nutanix environments will be highly beneficial. This will allow you to maximize your learning in the advanced design principles covered.

Q: How will this boot camp specifically enhance my ability to design complex Nutanix enterprise cloud solutions for diverse business needs?

This boot camp will equip you with critical skills to translate intricate business requirements into robust, scalable, and resilient Nutanix solution architectures. You will master advanced sizing and capacity planning, design for high availability and disaster recovery, integrate sophisticated data services (Files, Objects, Volumes), secure environments with Flow Network Security, and strategize for seamless hybrid cloud deployments using Nutanix Cloud Clusters. The focus is on making informed design decisions that optimize performance, cost, and operational efficiency for real-world enterprise scenarios.

Q: What Nutanix certifications does this boot camp prepare me for, and how will it advance my career as an IT architect?

This boot camp is specifically designed to prepare you for advanced Nutanix certifications, most notably the Nutanix Certified Master - Multicloud Design (NCM-MCD) exam. It also reinforces the design aspects relevant to the Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI). By mastering enterprise cloud solution design, you position yourself for senior architectural and consulting roles, enabling you to lead complex infrastructure projects, drive digital

transformation initiatives, and become a trusted advisor in architecting modern, multi-cloud environments for leading organizations.

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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