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EXAM BLUEPRINT GUIDE

Nutanix Certified Associate (NCA) 5.15 Exam

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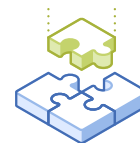
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Disclaimer:

The Nutanix Certified Associate (NCA) 5.15 Exam Blueprint Guide provides an overview of the objectives that must be mastered to achieve the NCA credential. Nutanix does not offer any guarantees that this guide will ensure a candidate's success in achieving the NCA Certification. All information in this guide is subject to change at any time at the sole discretion of Nutanix.

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1.The Exam

1.1 PURPOSE OF EXAM

The Nutanix Certified Associate (NCA) 5.15 exam tests candidates on their skills and abilities navigating a Nutanix AOS 5.15 cluster as well as managing and operating Nutanix core offerings. Successful candidates demonstrate mastery of these skills and abilities.

1.2 NUMBER OF QUESTIONS

The NCA 5.15 exam consists of 50 multiple choice and multiple response questions.

1.3 PRICING

The cost for the NCA 5.15 exam is \$99 USD.

1.4 PASSING SCORE

The passing score for this exam is 3000, using a scaled scoring method. The scale is from 1000-6000. Scaled scores are calculated using a mathematical formula that considers a variety of factors, including the number and type of exam questions included in a specific version of the exam. Because this combination may vary in different versions of the same examination, scaled scores provide a fair score for everyone based on the version of the exam taken.

1.5 HOW OBJECTIVES RELATE TO QUESTIONS ON THE EXAM

Objectives summarize what the test is designed to measure. Objectives are developed by Exam Developers and Subject Matter Experts based on identified tasks that relate to the job of navigating a Nutanix AOS 5.15 cluster and managing and operating Nutanix core offerings. Once the initial development process is complete, these objectives are verified using an external group of individuals in the actual job role. Finally, a number of questions is determined for each objective, which relates directly to the criticality of the task in the job role.

1.6 LANGUAGES

The exam is available in English.

1.7 TIME LIMIT

The time limit for the exam is 90 minutes.

1.8 SCHEDULING AND TAKING THE EXAM

This exam is delivered via remote proctoring. After registering for the exam and providing valid identification, you will receive information on how to take the exam from your location using a web browser. Because the exam is remote proctored, you will be provided with a locked down, monitored, secure exam experience.

1.9 CERTIFICATION TRACKS

The NCA 5.15 exam is a core component of the Nutanix Associate track.

The certification requires a passing score on the exam. While it is not required that you attend a course, Nutanix provides training that covers the objectives on the exam. Details on the course and track are provided in section 4.

1.10 RETAKE POLICY

If a candidate fails an exam on the first attempt, he or she is allowed two additional attempts. There is a seven-day waiting period between attempts. Like the first attempt, these are paid for individually and Nutanix recommends that you allow sufficient time between attempts to be properly prepared and to maximize your chances for success.

Please note: After three attempts, you will be unable to take the exam for 60 days, after which you can e-mail university@nutanix.com and request that your attempts are reset. Nutanix recommends you utilize the time to thoroughly review this guide and the related references and/or take the recommended training for this exam.

1.11 EXAM SECURITY

Nutanix reserves the right to refuse certifying a candidate who violates exam security policies. This includes copying and redistribution of exam material, using any type of study material during the exam itself, attempting to photograph exam items and taking an exam using a false identity. Your identity is captured as part of the exam registration process and must be validated before you will be allowed to take the exam.

1.12 RECERTIFICATION

Once you have passed the NCA 5.15 exam and achieved the NCA 5 certification, it will remain valid until Nutanix releases the next version of the certification. At that time, you have one year to upgrade your certification to the new release before it expires. Nutanix provides a delta training covering features that are part of the AOS release that coincides with the new version of the certification.



2. Intended Audience

2.1 INTENDED AUDIENCE

A candidate for the NCA 5.15 certification has approximately six months to 12 months of holistic IT infrastructure experience as well as some hands-on experience working with an AOS implementation. They are typically a systems administrator, junior engineer or IT operator and are capable of operating and assisting in the management of a Nutanix Enterprise Cloud including AOS, Prism (Volumes, LCM, NCC), AHV and PRISM-OPS. The successful candidate will most likely have taken training courses such as Enterprise Cloud Operations.



3. Objectives covered in the NCA 5.15 Exam

3.1 INTRODUCTION

It is recommended that candidates have the knowledge and skills necessary to deploy, administer and troubleshoot a Nutanix AOS environment before attempting the NCA 5.15 exam. It is also recommended that the candidate complete the training course described in Section 4 prior to taking the exam.

3.2 OBJECTIVES

Prior to taking this exam, candidates should understand each of the following objectives. Each objective is listed below; along with related tools the candidate should have experience with, and related documentation that contains information relevant to the objective. Please note that some documentation requires access via the Support Portal. Information on creating an account for use with the Support Portal can be found [here](#).

All objectives may also be referenced in other product documentation not specifically highlighted below. The candidate should be familiar with all relevant product documentation or have the equivalent skills.

SECTION 1 – DESCRIBE NUTANIX SOLUTIONS

Objectives

- Describe Nutanix Architectural Concepts
- Identify Nutanix Products by Use Case
- Interact with Nutanix Support

References

- [Nutanix Enterprise Cloud Overview](#)
- [Nutanix Key Technical Terms](#)
- [eBook – Enterprise Cloud for Dummies](#)
- [Video – Nutanix – How it Works \(Detailed\)](#)
- [Whitepaper – The Definitive Guide to Hyperconverged Infrastructure](#)
- [The Nutanix Bible](#)

SECTION 2 – OPERATING NUTANIX HCI SOLUTIONS

Objectives

- Navigate Virtual Machine Entity
- Monitor/Alert on VM/Cluster Health/ Basic Troubleshooting
- VM Management

References

- [Prism 5.15 Web Console Guide](#)
- [Prism 5.15 Central Guide](#)
- [AHV Administration Guide](#)
- [AHV Best Practices Guide](#)

SECTION 3 – MANAGE NUTANIX HCI SOLUTIONS

Objectives

- Recognize Data protection Entity
- Navigate Storage Entity
- Understand Cluster Management Concepts
- Explain Data-at-Rest Encryption (DARE) Functionality

References

- Prism 5.15 Web Console Guide
- Prism 5.15 Central Guide
- AHV Administration Guide
- AHV Best Practices Guide
- Data Protection Best Practices Guide
- Data-at-Rest Encryption
- Video – Data-at-Rest Encryption Configuration on Nutanix



4. The Nutanix Administration Track and Course Recommendations

4.1 NUTANIX ADMINISTRATION TRACK

It is recommended that candidates have the knowledge and skills necessary to operate and manage Nutanix environment.

4.2 COURSE RECOMMENDATIONS

Nutanix offers a course that provides training on the objectives tested for in the exam. The details are as follows:

NUTANIX
UNIVERSITY™

EXPERT

MASTER

PROFESSIONAL

ASSOCIATE

Nutanix® Hybrid Cloud Fundamentals [V5.15]

This course will introduce you to the products, capabilities, and technologies that form the foundation of Nutanix's Hybrid Cloud solution. You will begin by exploring the history of this technology space, including different types of clouds, and how on-prem and public infrastructures came together to create hybrid operating models.

Then, you will delve deeper into essential Nutanix products - AOS, AHV, and Prism - while discussing how these products were designed to solve business challenges. And finally, you will conclude by discussing certain fundamental aspects involved in operating the Nutanix Hybrid Cloud, such as cluster updates, managing virtual machines, reporting and performance metrics, and more.

The material provided in the course covers a majority of the objectives that appear on the NCA 5.15 exam and is recommended for individuals who want to gain a good understanding of these objectives. Please note that additional exposure to a Nutanix environment is highly recommended.

This course is available online or instructor-led (in-person or virtual). More information including schedules and how to register can be found at www.nutanix.com/university.

Udacity Hybrid Cloud Engineer Nanodegree Program

Nutanix has partnered with Udacity to teach cloud professionals the skills needed to use hybrid cloud infrastructure to meet the increasing requirements of enterprise applications and the fast pace of modern business.

The Nanodegree program, takes cloud technology and datacenter professionals on an in-depth journey into the design, deployment, and management of infrastructure and applications together on the Hybrid Cloud. Master the concepts you need to transform how your IT teams manage applications and support the business.



5. Resources

5.1 NUTANIX COMMUNITY EDITION

The Nutanix Community Edition is a free product that allows you to deploy a Nutanix Enterprise Cloud. To download the software and build your own environment for exam preparation, [click here](#).

5.2 THE NUTANIX NEXT COMMUNITY

The Nutanix Next Community is a social interaction site where professionals can connect with cloud builders from around the world, learn from IT Pros in the industry and share experiences. The community maintains an area focused on the NCA certification, which is located [here](#).


5.3 TEST DRIVE

Build your clouds your way in a few clicks and instantly complete all your IT tasks on a unified cloud platform with Test Drive. [Click here](#) to take a Test Drive today.





certification@nutanix.com
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 @nutanixedu

A large photograph of a man with dark hair, wearing a dark jacket, looking down at a laptop. The image has a blue and green color overlay. The background is a gradient of green and blue.

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix Enterprise Cloud OS leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization, and storage into a resilient, software-defined solution with rich machine intelligence. The result is predictable performance, cloud-like infrastructure consumption, robust security, and seamless application mobility for a broad range of enterprise applications. Learn more at www.nutanix.com or follow us on [Twitter @nutanix](https://twitter.com/nutanix).