

NUTANIX™

Services Enablement Program



Welcome

We aim to enable Nutanix Certified Services employees and partners to deliver Xpert services based on Nutanix Service Delivery Kits to ensure high-quality and standardized service delivery.

This Services Academy Guide will give you an overview of Services Enablement certification program and the requirements to achieve the NCS Badges. Additionally, you will find information about available on-demand and instructor-led courses and how to enroll.

We're here to support you every step of the way.
Nutanix Services Enablement Team

Contents

Quick start menu

NCS Certifications



NCS Certifications - Overview

NCS-Core

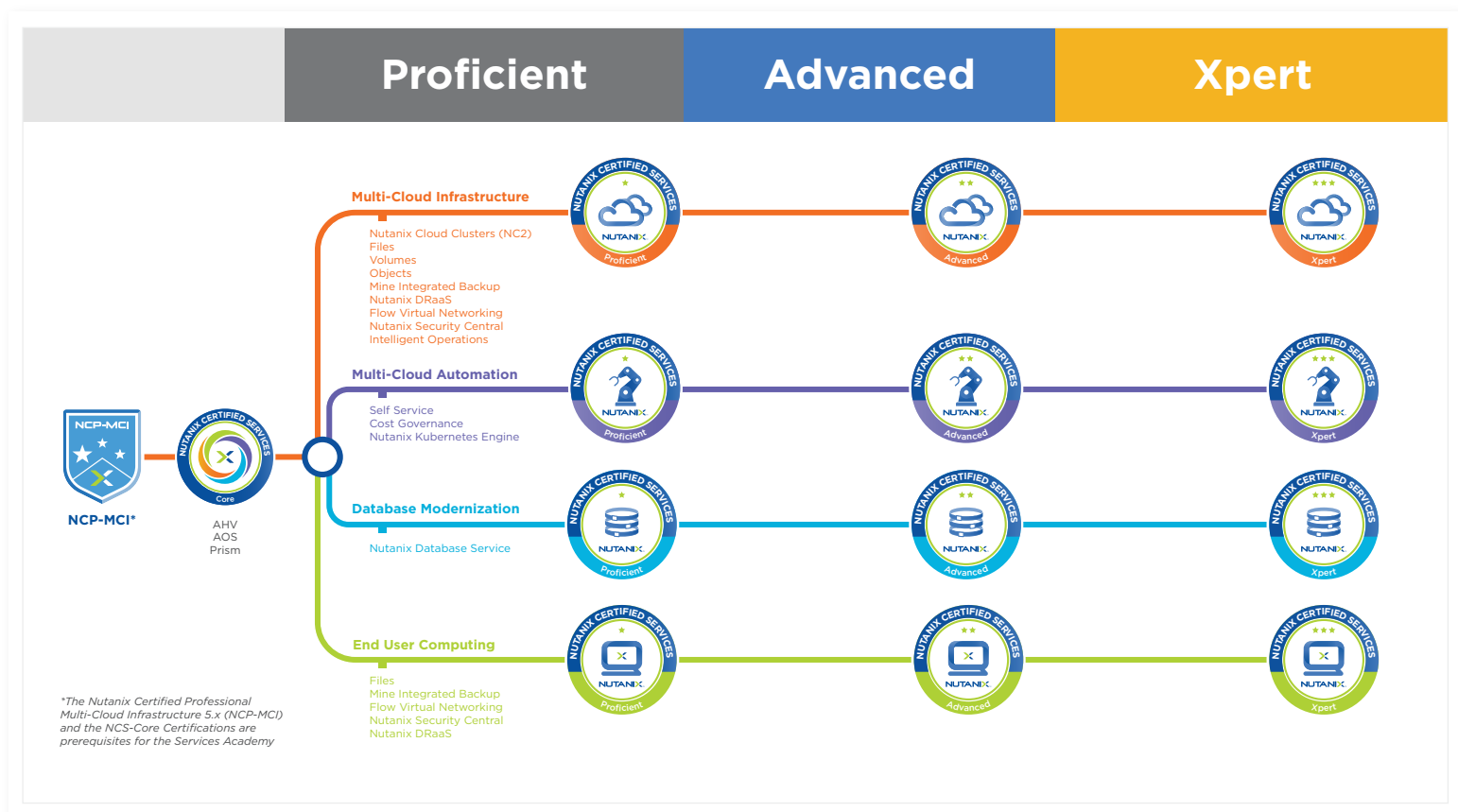
- Our entry certification

4 Certification Tracks

- Multi-Cloud Infrastructure
- Multi-Cloud Automation
- Database Modernization
- End User Computing

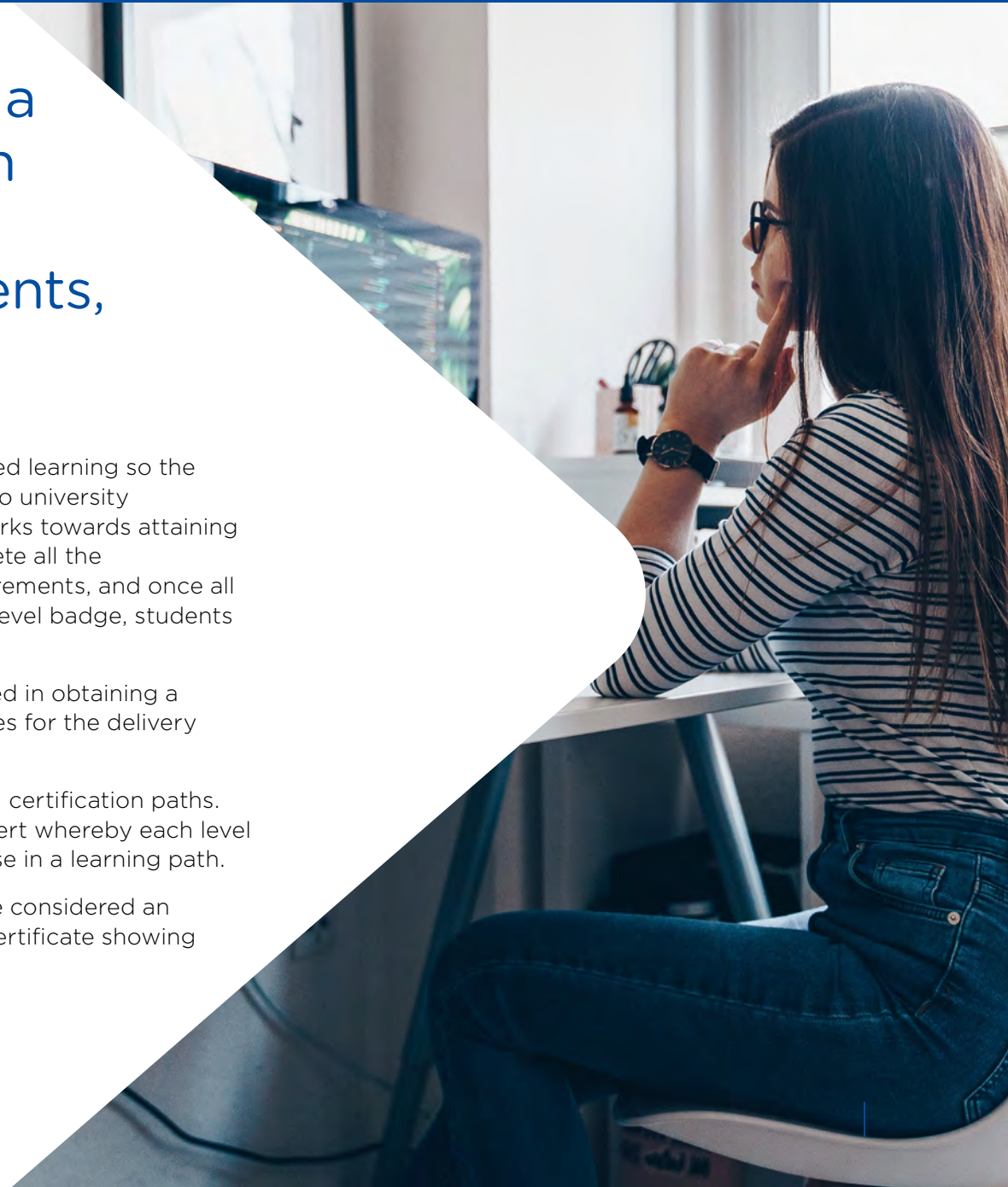
3 Certification Levels

- Proficient
- Advanced
- Xpert



The Nutanix program follows a university-like curriculum path with pre-requisites, learning modules, 3rd party requirements, and testing

- The program is designed to allow enablement to be user pace-based learning so the badges can be obtained over time as work priorities allow. Similar to university curriculum, each course is individual with a test that collectively works towards attaining a badge, there is no final exam to obtain the badge. Simply complete all the prerequisites, courses, 3rd party certifications, and any other requirements, and once all criteria are met, the badge is awarded. Only for the highest, Xpert level badge, students will be asked to prepare and defend a design.
- Students are not required to obtain a badge. Students not interested in obtaining a badge can take the individual training modules to enable themselves for the delivery of a specific topic.
- For those interested in badge attainment, we offer specific learning certification paths. These paths consist of three levels of Proficient, Advanced, and Xpert whereby each level builds on prior level attainment to increase proficiency and expertise in a learning path.
- Once an Xpert certification level is obtained, the resource would be considered an “architect” level proficiency and their company will be awarded a certificate showing they have expertise on staff.



Learning / Certification Path



CHOOSE LEARNING CERTIFICATION PATH

- NCS Multi-Cloud Infrastructure
- NCS Multi-Cloud Automation
- NCS Database Modernization
- NCS End-User Computing

PROFICIENT ★

Enroll for the Proficient Learning Plan → Complete Prerequisites → Service Offering Enablement Modules → Submit 3rd Party Requirements (if applicable) → Share your feedback → **Collect your Proficient Badge** → Continue to Advanced Certification

Utilize SDKs for Delivery



ADVANCED ★★

Enroll for the Advanced Learning Plan → Complete Prerequisites → Service Offering Enablement Modules → Submit 3rd Party Requirements (if applicable) → Share your feedback → **Collect your Advanced Badge** → Continue to Xpert Certification

Utilize SDKs for Delivery



XPERT ★★★

Enroll for the Xpert Learning Plan → Complete Prerequisites → Service Offering Enablement Modules → Submit 3rd Party Requirements (if applicable) → Exam: Defend your Design → Share your feedback → **Collect your Xpert Badge** → Obtain Xpert Certificate for your Company

Utilize SDKs for Delivery



Multi-Cloud Infrastructure

This certification path is designed to help candidates develop their ability to successfully:



MULTI-CLOUD INFRASTRUCTURE PROFICIENT

- deploy Nutanix AOS, Intelligent Operations (formerly Prism), Nutanix Files, Nutanix Flow Network Security (formerly Flow)
- execute migrations of Files and VMs onto Nutanix Platform

Intended Audience

Candidates with basic experience with at least one of the following hypervisors: AHV, vSphere and/or Hyper-V.



MULTI-CLOUD INFRASTRUCTURE ADVANCED

- assess currently deployed Nutanix Platforms and provide findings and initial optimization recommendations
- deploy Nutanix Cloud Clusters (formerly Clusters) on AWS
- create migration plans for structured and unstructured data
- execute migrations of physical machines

Intended Audience

Candidates with intermediate knowledge about and experience with migration using Nutanix Files, Objects and/or third-party Files or Objects stores (e.g., NetApp, EMC) as well as hands-on experience with Nutanix platform and in-depth understanding of Nutanix Best Practices.



MULTI-CLOUD INFRASTRUCTURE XPERT

- assess existing environments accounting for multiple areas (networking, storage, compute etc.) and
- design solutions (for structured and unstructured data, micro-segmentation, or core virtualization) based on customer requirements within constraints while documenting assumptions and risks

Intended Audience

Candidates with profound knowledge of Nutanix platform and cloud design experience with one of the major public cloud providers.

Multi-Cloud Automation

This certification path is designed to help candidates develop their ability to successfully:



MULTI-CLOUD AUTOMATION PROFICIENT

- deploy and configure Nutanix Cloud Manager (NCM) Self-Service (formerly Calm)
- demonstrate features and functionalities of NCM Self-Service
- accelerate NCM Self-Service adoption with deployment of existing blueprints

Intended Audience

Candidates with foundational knowledge of AHV and ESXi, and of any public cloud provider, as well as beginners scripting knowledge in one of the three languages: Python, PowerShell, Bash (app. 6 months of scripting experience).

Hands-on experience with infrastructure automation and experience with bootstrapping operating systems with cloud-init or sysprep answer files will help the candidate to master the content.



MULTI-CLOUD AUTOMATION ADVANCED

- extend the existing automation with Nutanix Cloud Manager (NCM) Self-Service (formerly Calm) to meet additional customer requirements
- Integrate NCM Self-Service with third party systems (i.e., Rest APIs, Ansible, SCCM)
- optimize code in blueprints with error handling
- troubleshoot blueprint failures and execute solutions
- build new blueprints based on provided design documents
- deploy Nutanix Beam against public cloud providers
- demonstrate features and functionalities of Nutanix Beam

Intended Audience

Candidates with intermediate knowledge of AHV and ESXi, and of any public cloud provider, intermediate scripting knowledge in one of the three languages: Python, PowerShell, Bash (app. 1-2 years of scripting experience), as well as understanding and ability to edit and author Karbon YAML deployment files.



MULTI-CLOUD AUTOMATION XPERT

- design and scale Nutanix Cloud Manager (NCM) Self-Service (formerly Calm) solution architecture for any of the available public cloud providers
- conduct architectural overview of NCM Self-Service and deep dive sessions describing Nutanix NCM Self-Service
- design and integrate NCM Self-Service with customer CI/CD pipelines
- design and scale Nutanix Karbon solution architecture
- conduct architectural overview of Nutanix Karbon and deep dive sessions describing Nutanix Karbon
- design and integrate Karbon with customer CI/CD pipelines

Intended Audience

Candidates with expert knowledge of AHV and ESXi, and of any public cloud provider.

Also, expert scripting knowledge in at least two of the three scripting languages: Python, PowerShell, Bash (app. 2+ years of scripting experience including authoring scripts).

Database Modernization

This certification path is designed to help candidates develop their ability to successfully:



DATABASE MODERNIZATION PROFICIENT

- demonstrate features of Nutanix Database Service (NDB, formerly Era)
- deploy, configure, basic troubleshoot, and manage NDB
- perform NDB Single-Cluster administration tasks (set up NDB HA or NDB Server HA, RBAC, add/update VLANs, alert management, NDB upgrades)
- protect databases
- monitor NDB operations
- automate database provisioning and patching
- create and refresh clones

Intended Audience

Candidates with intermediate knowledge of Nutanix platform, and in particular knowledge on how to apply best practices for managing larger workloads on Nutanix platform as well as proficient knowledge of managing one or more database types (Oracle, MSSQL, PostgreSQL).



DATABASE MODERNIZATION ADVANCED

- demonstrate different Database Service (NDB, formerly Era) Workflows
- configure NDB Multi-cluster
- perform NDB Multi-Cluster administration tasks (RBAC, add/update VLANs, alert management, NDB upgrades)
- validate database Server VMs for NDB registration
- uninstall NDB
- collaborate with customers to migrate database workloads to Nutanix Enterprise Cloud platform
- apply Nutanix and database vendors' best practices
- troubleshoot NDB server

Intended Audience

Candidates with hands-on experience with Nutanix AHV, Nutanix Move, Nutanix Best practices for database workloads, database migration methodologies and proficiency in one or more database types (Oracle, MSSQL, PostgreSQL).



DATABASE MODERNIZATION XPERT

- assess existing customer environment to understand capacity, performance, security and availability requirements and
- provide a design to consume Nutanix Database Service (NDB, formerly Era) as a Service (DBaaS) experience
- design NDB HA topology
- design NDB Multi-cluster
- architect database workloads to account for High Availability and Disaster Recovery
- conduct deep-dive sessions describing One-Click Provisioning, Copy Data Management, Database Protection and One-Click Patching
- transform database environment by assessing existing Database solutions and mapping migration paths to new solutions

Intended Audience

Candidates with in-depth (expert) knowledge of and hands-on experience with Nutanix AHV, Nutanix Move, Nutanix Best practices for database workloads, database migration methodologies and proficiency in one or more database types (Oracle, MSSQL, PostgreSQL).

End User Computing

This certification path is designed to help candidates develop their ability to successfully:



END USER COMPUTING PROFICIENT

- deploy Nutanix Frame, and Citrix CVAD or VMware Horizon in a Nutanix environment
- configure Nutanix infrastructure to support EUC environments
- integrate Nutanix Infrastructure with Nutanix Frame, Citrix CVAD and VMware Horizon
- troubleshoot Nutanix EUC environment and
- optimize EUC Images

Intended Audience

Candidates with hands-on experience with Nutanix AHV, Nutanix Frame as well as hands-on experience and vendor training with VMware Horizon and Citrix Virtual Apps and Desktops and VMware vSphere.



END USER COMPUTING ADVANCED

- deploy Nutanix Files in support of EUC solutions
- integrate Advanced Profile Management and Application Management technologies with Nutanix HCI
- migrate virtual machines and images from legacy infrastructures to Nutanix HCI
- migrate users from legacy desktop environments into new EUC environments
- troubleshoot Nutanix HCI and EUC Infrastructure as well as desktop image performance
- assess EUC Environments and Nutanix HCI Infrastructure
- protect EUC infrastructure, Data, and Desktops hosted on Nutanix HCI Infrastructure
- monitor Performance of EUC Solutions

Intended Audience

Candidates with hands-on experience with Nutanix AHV, Nutanix Frame, Nutanix Files, Nutanix Flow Network Security, Nutanix Advanced Disaster Recovery, Nutanix Move as well as experience and vendor training with VMware Horizon or Citrix Virtual Apps and Desktops and VMware vSphere. Additionally, candidates should have hands-on experience with Citrix App Layering and Citrix Windows Environment Manager or VMware App Volumes and VMware Dynamic Environment Manager.

Understanding Microsoft Active Directory, Group policy, Folder Redirection and Microsoft FSLogix will help candidates master the content.



END USER COMPUTING XPERT

- assess EUC Solutions based upon Nutanix HCI
- design EUC Solutions based upon Nutanix HCI
- scale EUC Solutions based upon Nutanix HCI
- demonstrate features or functionalities of EUC Solutions based upon Nutanix HCI
- conduct (architectural) overview of EUC Solutions based upon Nutanix HCI
- conduct deep dive sessions describing EUC Solutions based upon Nutanix HCI
- transform environments by assessing existing EUC Solutions and mapping migration paths to new solutions

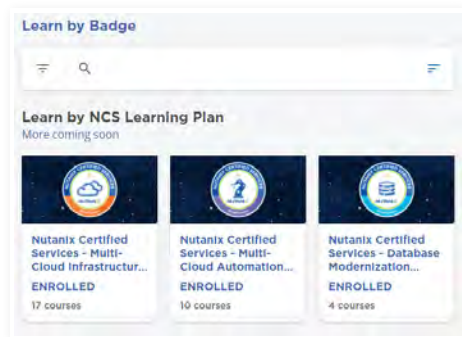
Intended Audience

Candidates with in-depth (expert) knowledge of and hands-on experience with Nutanix Frame, Nutanix Files, Nutanix Advanced Disaster Recovery, Nutanix Move, Nutanix Flow Network Security; VMware Horizon or Citrix Virtual Apps and Desktops; VMware vSphere; Citrix App Layering and Citrix Windows Environment Manager or VMware App Volumes, VMware Dynamic Environment Manager; Microsoft Active Directory, Group Policy, Folder Redirection and Microsoft FSLogix.

Enroll



NCS Certifications – Where to start



Learn by Badge – Enroll for your Learning Plan

Each badge is associated with an available Learning plan on Nutanix University and will allow you to find the list of modules, including prerequisites and third-party requirements needed to achieve desired Nutanix Certified Services Badge. Find your Learning plan and enroll.

Track your progress

Learning plan allows you to easily track your progress toward your certification and receive notifications about any new content.



Nutanix Certified Services - Multi-Cloud Infrastructure Proficient

17 courses

88%

→
🏆

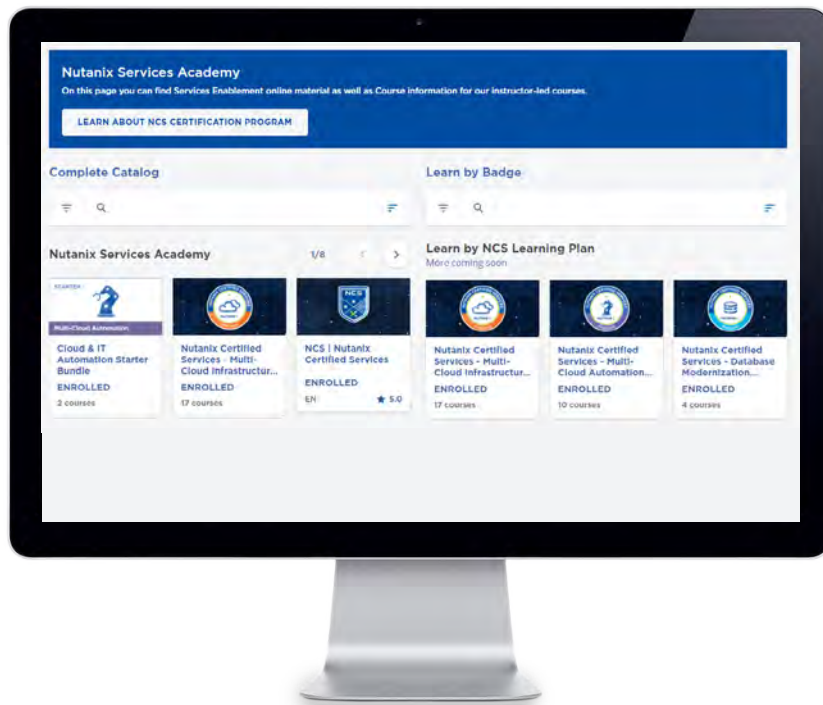
Learning Plan Progress

32h 9m | 0h 0m

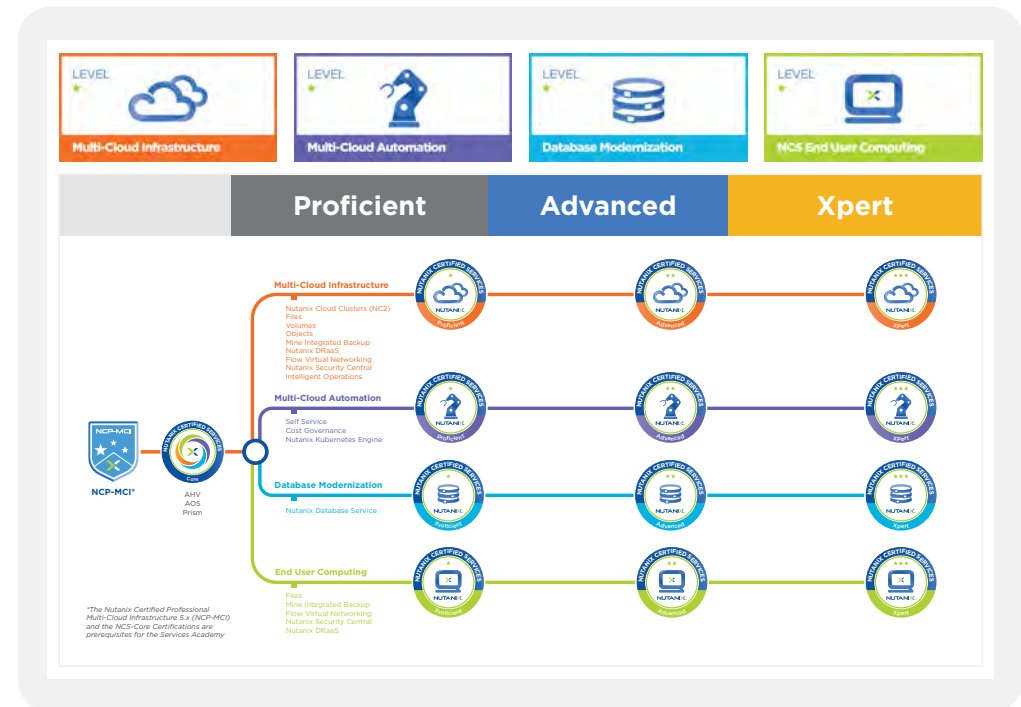
RESUME WHERE YOU LEFT OFF

Services Academy on Nutanix University

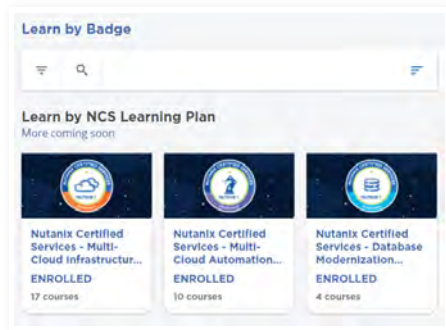
Services Academy page on Nutanix University is designed to provide you with easy and pleasant learning experience. There you can browse through available online courses divided in different Catalogs depending on your interest and goals.



Color coding and the level mark of one, two, or three stars for the courses will help you map the course to the overall Services Enablement Certification Program

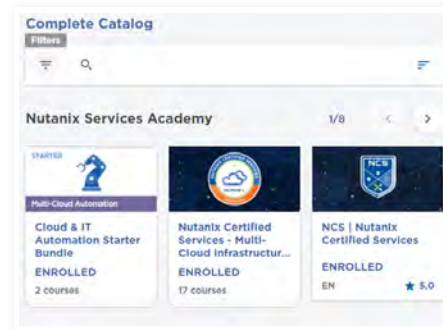


Available Catalogs



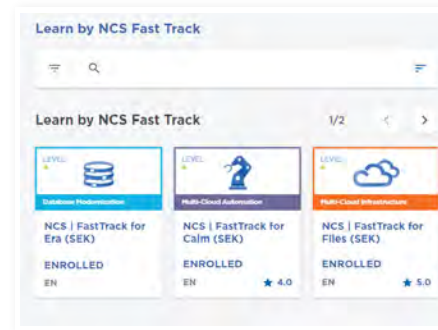
Learn by Badge

Learn by Badge Catalog will allow you to find the list of courses and certifications needed to achieve a Nutanix Certified Services Badge.



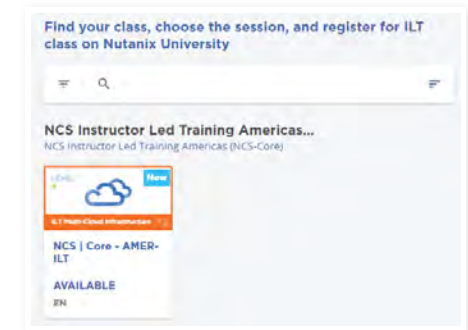
Complete Catalog

Complete Catalog will allow you to search or browse for any available NCS Course or exam.



Learn by FastTrack

Learn by FastTrack will allow you to find the list of on-demand enablement for the delivery of different FastTrack Services.



Register for ILT Class

This Catalog will allow you to find an available instructor-led training course and session to register for.

Register for Instructor-Led Classes

Register for Instructor-Led Classes on Nutanix University

We are starting with Registrations on Nutanix University, make sure you have set up your time zone correctly on your Nutanix University Account (under Preferences). Only the classes that you fulfilled the prerequisites will be visible to you.



Register for Instructor-Led Classes on Nutanix University

We are starting with Registrations on Nutanix University, make sure you have set up your time zone correctly on your Nutanix University Account (under Preferences). Only classes you fulfill the prerequisites for will be visible to you.

Find your class, choose the session, and register for ILT class on Nutanix University

NCS Instructor Led Training Americas...
NCS Instructor Led Training Americas (NCS-Core)

LEVEL New

ILT Multi-Cloud Introduction

NCS | Core - AMER-ILT

AVAILABLE

EN

Don't miss your NCS Class

Search within results... MONTHLY

TODAY < > November 2021 NOV 2021 EXPORT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MY CALENDAR

NCS Instructor Led Training Americas...
NCS Instructor Led Training Americas FastTrack for...

LEVEL

ILT Multi-Cloud Automation

NCS | FastTrack for Calm - AMER - ILT

ENROLLED

EN

LEVEL

ILT Multi-Cloud Introduction

NCS | FastTrack for Flow - AMER - ILT

ENROLLED

EN ★ 5.0

LEVEL New

ILT Multi-Cloud Introduction

NCS | FastTrack for Files - AMER - ILT

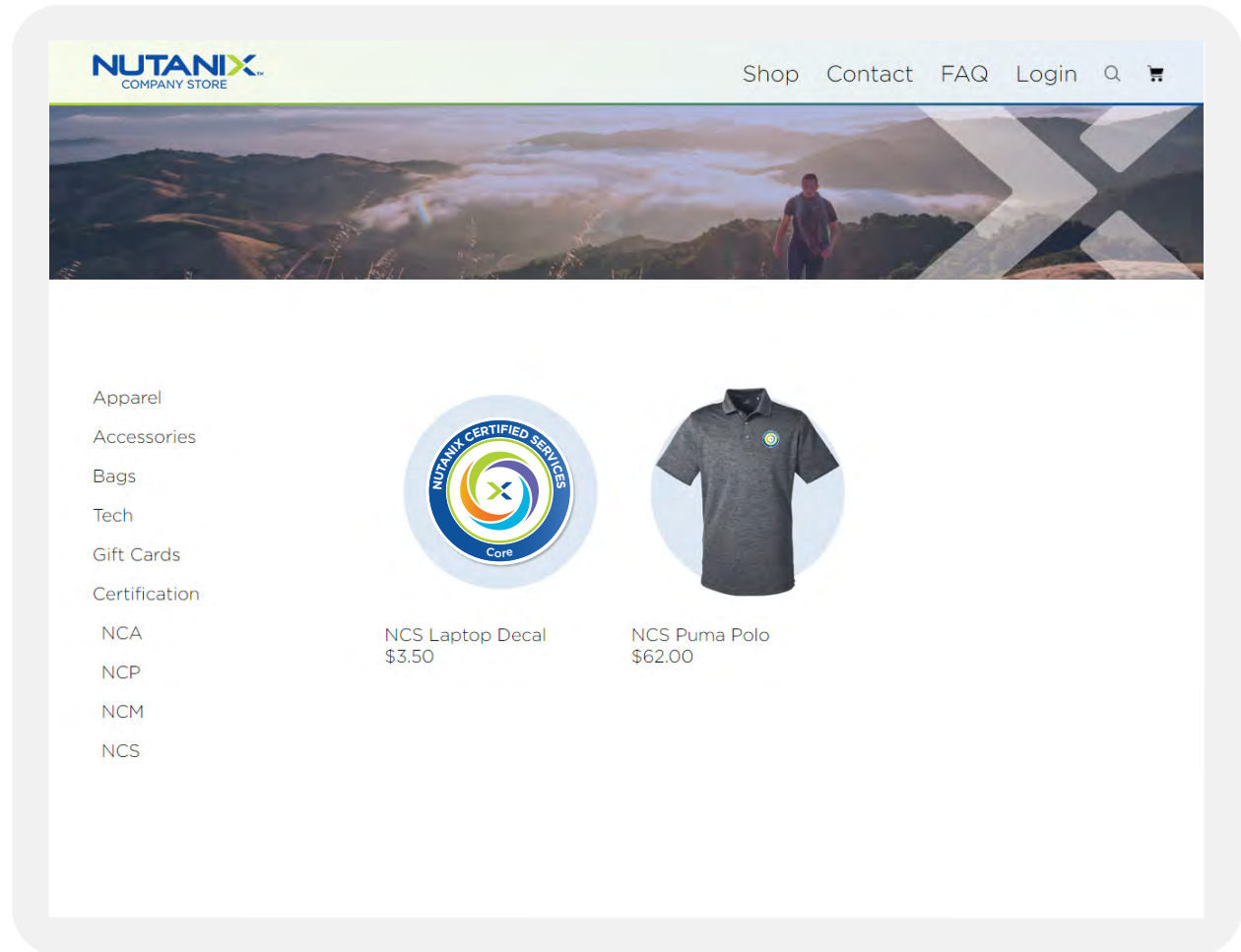
AVAILABLE

EN

Nutanix Store

Show off you Nutanix achievements!
Visit Nutanix Store

Nutanix Certified Services Decals
and Polos now available!



Addendum



Multi-Cloud Infrastructure Badge Requirements



MULTI-CLOUD INFRASTRUCTURE PROFICIENT

Modules

HCI Cluster Deployment
 Virtual to Virtual Conversion
 Files Migration Service
 HCI Backup Architecture Deployment
 Flow Network Security Deployment
 Intelligent Operations Deployment
 HCI Disaster Recovery Deployment
 FastTrack for Files
 FastTrack for Flow Network Security
 FastTrack for Intelligent Operations

Certification Requirements

NCP-MCI (inc. NCP5.10 and NCP5.15)
 NCS-Core

One of the following:

VMware Certified Professional
 Data Center Virtualization (VCP-DCV)



MULTI-CLOUD INFRASTRUCTURE ADVANCED

Modules

HCI Cluster FitCheck Service
 Nutanix Cloud Clusters on AWS
 Workload Migration Workshop
 (includes P2V Conversion)

Certification Requirements

NCP-DS
 NCM-MCI
 NCS-MCI Proficient

One of the following:

AWS Certified Cloud Practitioner
 Microsoft Certified: Azure Fundamentals



MULTI-CLOUD INFRASTRUCTURE XPERT

Modules

Storage Consolidation Workshop
 Flow Network Security Planning Workshop
 HCI Design Workshop

Certification Requirements

NCX-MCI
 NCS-MCI Advanced

One of the following:

VMware Certified Advanced Professional - Data Center Virtualization (VCAP-DCV)
 AWS Certified Solutions Architect - Associate
 Microsoft Certified: Azure Solutions Architect Expert

Multi-Cloud Automation Badge Requirements



MULTI-CLOUD AUTOMATION PROFICIENT

Modules

FastTrack for Nutanix Cloud Manager Self-Service (formerly Calm)
 FastTrack for Intelligent Operations
 Intelligent Operations Deployment

Certification Requirements

NCP-MCA
 NCS-Core

One of the following:

AWS Certified SysOps Administrator - Associate
 Microsoft Certified: Azure Administrator Associate
 Associate Cloud Engineer



MULTI-CLOUD AUTOMATION ADVANCED

Modules

Nutanix Cloud Manager Self-Service (formerly Calm) Development Service
 Beam Onboarding Service

Certification Requirements

NCS-MCA Proficient
 Certified Kubernetes Application Developer (CKAD)

One of the following:

AWS Certified Solutions Architect - Associate
 AWS DevOps Engineer Professional
 Microsoft Certified: DevOps Engineer Expert
 Professional Cloud Architect
 Professional Cloud DevOps Engineer



MULTI-CLOUD AUTOMATION XPERT

Modules

FastTrack for Nutanix Kubernetes Engine (formerly Karbon)
 Nutanix Cloud Manager Self-Service (formerly Calm) Design Workshop
 Nutanix Kubernetes Engine Design Workshop
 Nutanix Kubernetes Engine Development Service

Certification Requirements

NCS-MCA Advanced
 Certified Kubernetes Administrator (CKA)

One of the following:

AWS Solutions Architect Professional
 Microsoft Certified: Azure Solutions Architect Expert
 Professional Cloud Architect

Database Modernization Badge Requirements



DATABASE MODERNIZATION PROFICIENT

Modules

FastTrack for Nutanix Database Service (formerly Era)
(includes Nutanix Database Service Deployment)

Certification Requirements

NCP-MCI
NCS-Core
NCP-DB



DATABASE MODERNIZATION ADVANCED

Modules

Nutanix Database Service Multi-Cluster Deployment
Backup Architecture and Copy Data Management
NDB-enabled Database Patching Service
Database FitCheck Service
Database Migration:

- DB Migration using Native Tools
- DB Migration (Lift&Shift/Reshape)

 Database Best Practices on Nutanix

Certification Requirements

NCS-DB Proficient

One of the following:

Oracle Certified Professional (12cR2)
Microsoft Certified Solutions Associate (MCSA):
SQL 2016 Database Administration Certification
Administering Relational Databases on Microsoft
Azure (DP-300)



DATABASE MODERNIZATION XPERT

Modules

Database Design Workshop
Database Migration Planning Workshop

Certification Requirements

NCM-DB (not yet available)
NCS-DB Advanced
Recommended: NCX-MCI

End User Computing Badge Requirements



END USER COMPUTING PROFICIENT

Modules

EUC Management Infrastructure Deployment (Frame + Citrix or Horizon)
 EUC Template Image (Frame + Citrix or Horizon)
 FastTrack for Frame
 HCI Cluster Deployment

Certification Requirements

NCP-EUC
 NCS-Core

One of the following:

VMware Certified Professional - Desktop Management (VCP-DTM)
 Citrix Certified Professional - Virtualization (CCP-V)



END USER COMPUTING ADVANCED

Modules

EUC VM Migration Service
 EUC Nutanix Files for User Workspace Deployment
 EUC Advanced Application Management Deployment
 EUC Advanced Environment Management Deployment
 EUC Disaster Recovery & Multi-site Deployment
 EUC User Migration Service
 EUC Citrix Virtual Apps and Desktops (CVAD) to AHV Migration
 EUC FitCheck Service
 FastTrack Service for VDI
 HCI Backup Architecture Deployment
 Flow Network Security Deployment
 HCI FitCheck

Certification Requirements

NCP-DS
 NCP-SG (not yet available)
 NCM-MCI
 NCM-EUC (not yet available)
 NCS-EUC Proficient

One of the following:

VMware Certified Advanced Professional - Desktop Management Deploy (VCAP-DTM Deploy)
 Citrix Certified Professional - Virtualization



END USER COMPUTING XPERT

Modules

EUC Design Workshop (Frame + Citrix or Horizon)
 EUC Migration Workshop
 EUC Desktop Transformation Workshop
 Flow Network Security Planning Workshop

Certification Requirements

NCX-MCI
 NCS-EUC Advanced

One of the following:

VMware Certified Advanced Professional - Desktop Management Design (VCAP-DTM Design)
 Citrix Certified Expert - Virtualization (CCE-V)

Past & Present



 means the old badge was transferred to the respective new badges and/or courses.

Contact Us



Nutanix Corporate Headquarters

1740 Technology Drive, Suite 150
San Jose, CA 95110, United States

T 855.NUTANIX (855.688.2649)

F 408.916.4039

General Service Partners

E partnerservices@nutanix.com

W service-partners.nutanix.com

S [@nutanixpartners](https://twitter.com/nutanixpartners)

Regional Team Leads

Global Services Partner Director

David Hartman: david.hartman@nutanix.com

Services Technical Delivery Enablement

Jeff Yaptengco: jeff.yaptengco@nutanix.com

Merima Sejdija Pajko: merima.sejdijapajko@nutanix.com

Kimberlee Mikalinis: kimberlee.mikalinis@nutanix.com

North America, US Federal, Canada, & LATAM Partner Management

Stefan Mueller: stefan.mueller@nutanix.com

Craig Stermer: craig.stermer@nutanix.com

Europe, Middle East, & Africa Partner Management

Nikola Pavlicic: nikola.pavlicic@nutanix.com

APAC & India Partner Management

Vishal Jadov: vishal.jadov@nutanix.com

Marketing and Web Design

Marija Marinkovic: marija.marinkovic@nutanix.com