VMware Certification Tracks

Find the optimal path to achieve proficiency and accreditation

VMware Certifications validate the critical skills required to integrate and manage the technology that drives desired business outcomes. Covering multiple technology areas with levels for those new to the industry as well as experts in the field, VMware Certification Tracks give you the flexibility to find the path that suits your needs.
Certification Tracks

VMware Certifications validate the critical skills required to integrate and manage the technology that drives desired business outcomes. Covering multiple technology areas with levels for those new to the industry as well as experts in the field, VMware Certification Tracks give you the flexibility to find the path that suits your needs.

Data Center Virtualization
Validates expertise in designing, installing and managing VMware vSphere® environments in a real-world environment.

Security
Validates skills with VMware’s security solutions and the ability to provide support for the security features of VMware products, including VMware NSX-T™ Data Center, VMware Workspace ONE®, and VMware Carbon Black Cloud®.

Digital Workspace
Validates skills required to securely deliver and manage any application on any device using intelligence-driven management platforms.

Cloud Management and Automation
Validates skills in installing, configuring, and optimizing public, private and hybrid clouds using VMware vRealize® Suite.

Network Virtualization
Validates expertise in designing, implementing and managing a VMware NSX® environment.

Application Modernization
Validates developer knowledge of specialized frameworks and administrator knowledge of emerging technologies, such as VMware Tanzu™ and Kubernetes.
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**Courses:**
- **VMware Data Center Virtualization (DCV):** Core Technical Skills
- **VMware vSphere:** Install, Configure, Manage
- **VMware vRealize Automation:** Install, Configure, Manage
- **VMware vSphere Professional Certification (VCP-DCV):** Install, Optimize, and Scale
- **VMware Advanced Skills for vSphere Professionals (VCDX-DCV):** Design Workshop
- **VMware vRealize Automation: Advanced Deploy (VCAP-CMA):** Design

**Additional Training Requirements:**
- VMware vSphere: Install, Configure, Manage
- VMware vRealize Automation: Install, Configure, Manage
- VMware vSphere: Design Workshop
- VMware Cloud Automation: Design and Deploy

**Certifications:**
- VMware vSphere: Optimize and Scale
- VMware vRealize Automation: Professional
- VMware Advanced Skills for vSphere Professionals (VCDX-DCV)
### Certification Tracks

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<th>Application Modernization (AM) Track</th>
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<td>VMware Digital Workspace: Core Technical Skills (Coming soon)</td>
<td>VMware Tanzu</td>
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<td>VMware NSX-T Data Center</td>
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<td>VMware vSphere: Install, Configure, Manage</td>
<td>VMware Workspace ONE: Deploy and Manage</td>
<td>VMware Certified Application Architect (Java)</td>
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<td>NSX-T Professional</td>
<td>Horizon Professional</td>
<td>VMware Certified Application Architect (Java)</td>
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<td>VCP-NV</td>
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<td>VMware Certified Developer (Java)</td>
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<td>VMware Horizon Troubleshooting and Performance Optimization</td>
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<td>VMware Horizon 7: Design Workshop</td>
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<td>VMware NSX-T Data Center Design</td>
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<td>VMware Horizon Advanced Design</td>
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<td>VMware NSX Advanced Design</td>
<td>VCAP-NV Design</td>
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<td>VMware Certifed Application Architect (Java)</td>
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### Certification Timeline

- 2 Weeks
- 6 Months
- 12+ Months
- 24+ Months

### Experience Gained

- Required Training
- Recommended Training
- Certification
- Exam (Required)/Application and Defense
VCTA-DCV proves a basic understanding of virtualization and vSphere concepts, and a knowledge of data center technology and basic troubleshooting concepts. It also shows a working knowledge of managing cloud resources and basic networking concepts.

VCP-DCV validates the required skills to implement, manage and troubleshoot a vSphere infrastructure, using best practices to provide a powerful, flexible and secure foundation for business agility that can accelerate the transformation to cloud computing.

VCAP-DCV Deploy validates expertise of deploying and optimizing vSphere infrastructures, and proves the knowledge and skills necessary to leverage best practices that provide a scalable and reliable virtualization platform.

VCDX-DCV proves the elite set of skills required to deliver true business value with vSphere solutions, enabling the best performance, availability and efficiency from infrastructure and applications.
Cloud Management and Automation Track
Design, install, configure, optimize and support vRealize and other cloud solutions

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<td>VCTA-CMA</td>
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<td>VMware vSphere: Install, Configure, Manage</td>
<td>vSphere, VMware Cloud and VMware vRealize Suite</td>
<td>vRealize Automation Professional</td>
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VCTA-CMA (coming soon) will prove a basic understanding of multi-cloud concepts, and a knowledge of cloud technologies and resource management.

VCP-CMA validates the ability to install, configure and administer a vRealize environment to automate key processes within a data center in a repeatable, scalable way that leads to efficiency and improved productivity.

VCAP-CMA Deploy validates the skills to deploy and optimize data center environments using the tools provided by vRealize Automation and other cloud tools to provide a scalable and reliable virtualization platform.

VCAP-CMA Design validates the ability to design and integrate vRealize Automation and cloud management solutions, and proves a deep understanding of cloud management design principles and methodologies.

VCDX-CMA validates skills in designing, planning and integrating world-class vSphere and vRealize cloud management and automation solutions, and driving true business value through VMware Cloud management platforms.
Security Track
Configure, manage and support security features of key VMware products

VCTA-SEC validates the understanding of VMware’s security solutions and the ability to provide entry-level support for the security features of VMware products, including NSX-T Data Center, Workspace ONE, and VMware Carbon Black Cloud.

VCP-SEC validates a knowledge of VMware’s security solutions, and the ability to administer the security features and functions of NSX-T Data Center, Workspace ONE, and VMware Carbon Black Cloud.

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<td>Combination of VMware NSX-T Data Center, Digital Workspace, VMware Carbon Black Cloud (Coming soon)</td>
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<td>VMware Carbon Black Portfolio: Configure and Manage</td>
<td>VMware Carbon Black Cloud, VMware NSX Security, Device Security</td>
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2 Weeks 6 Months 12+ Months 24+ Months

vmware
**Network Virtualization Track**
Design, implement, manage and support an NSX-T environment

**VCTA-NV** proves the ability to identify use cases and business needs for the NSX platform, understand NSX terminology, and perform navigation of the NSX GUI.

**VCP-NV** validates the ability to install, configure and administer NSX virtual networking implementations, regardless of the underlying physical architecture.

**VCAP-NV Deploy** proves the ability to deploy and optimize NSX environments to provide a scalable and reliable virtualized network.

**VCAP-NV Design** validates the ability to gather customer information, including requirements, risks, constraints and assumptions, and use that information to make design recommendations for NSX-T Data Center solutions.

**VCDX-NV** validates vSphere and NSX-T skills to design a data center networking infrastructure based on the NSX platform that meets customer objectives and constraints.

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### Training Course (Recommended) | VCTA Exam | Technical Associate Certification (VCTA) | Gain Experience | Training Course (For 1st VCP, 1 Training Required) | vSphere Foundation Exam | Additional Training (Recommended) | VCP Exam | Professional Certification (VCP) | Training Course (Recommended) | VCAP Exam | Advanced Professional Certification (VCAP) | Submit and Successfully Defend an Original Design | Design Expert Certification (VCDX) | 2 Weeks | 6 Months | 12+ Months | 24+ Months
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**VCTA-NV**
VMware NSX-T Data Center: Install, Configure, Manage

**VCP-NV**
VMware NSX-T Data Center: Design

**VCAP-NV Deploy**
NSX-T Data Center Advanced Deploy

**VCAP-NV Design**
VMware NSX-T Data Center Advanced Design

**VCDX-NV**
VMware NSX: Troubleshooting and Operations

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VMware Network Virtualization: Core Technical Skills
Gain Experience

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VMware NSX-T Data Center: Install, Configure, Manage
VCP-NV
VCAP-NV Deploy
VCAP-NV Design
VCDX-NV Certification

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**Certification**
**Gain Experience**
**Recommended**
**VCTA**
**Technical Associate Certification** (VCTA)
Digital Workspace Track
Design, configure, deploy, manage, optimize and troubleshoot Workspace ONE and Horizon with View

VCTA-DW (coming soon) will prove a basic understanding of digital workspace concepts, and a knowledge of remote management and desktop and application virtualization.

VCP-DTM validates skills in performing in-depth configuration and management of Horizon environments to securely deliver personalized virtual desktops, applications, and online services to end users.

VCP-DW validates the ability to configure, deploy, manage, maintain, optimize and perform basic troubleshooting of Workspace ONE and related solutions.

VCP-DTM Deploy validates the skills to deploy and optimize Horizon with View™ environments to provide a scalable and reliable business mobility platform.

VCP-DTM Design validates the ability to design and integrate large-scale Horizon environments, and proves a deep understanding of desktop and mobility design principles and methodologies.

VCDX-DTM requires enterprise-class Horizon and/or Workspace ONE design and implementation expertise, in addition to vSphere and data center virtualization, proving the ability to design, implement, document, and test scalable, complex, desktop virtualization and mobile computing environments that meet specific customer business objectives.

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2 Weeks | 6 Months | 12+ Months | 24+ Months

VMware Digital Workspace: Core Technical Skills (Coming soon)
VMware Workspace ONE: Deploy and Manage
VMware Horizon 7 Design Workshop
VCAP-DTM Design
VCDX-DTM Certification
Application Modernization Track
Develop, manage and migrate applications through the VMware Tanzu portfolio

VCTA-AM (coming soon) will prove a basic understanding of development and management platforms used for migrating and building customized applications.

The Spring Professional certification validates skills with Spring and Spring Boot, including configuration, component-scanning, AOP data access and transactions, REST, Spring Security auto-configuration, Actuator, and Spring Boot testing.
VMware Certification Levels

VMware Certifications align to job roles and validate expertise across a specific solution domain.

For Operators
This entry-level technical certification is for anyone new to the industry or advancing their careers who perform operational tasks typically delegated by administrators of virtualized environments.

For Administrators and Engineers
This level is designed for IT professionals who install, configure, manage and optimize VMware solutions.

For Administrators, Architects and Engineers
The advanced-level certifications are for those who design and build VMware solutions (VCAP Design), and who manage and optimize (VCAP Deployment) VMware solutions.

For Architects
The highest level of VMware certification, VCDX recognizes IT professionals who design, build and manage VMware solutions and systems.

VCDX
VMware Certified Design Expert

VCAP
VMware Certified Advanced Professional

VCP
VMware Certified Professional

VCTA
VMware Certified Technical Associate
VMware Learning Paths

VMware Learning Paths are designed around the key VMware solutions built to enable your digital business. You can find the right course based on solution and product within each learning path. VMware Certification Tracks also align to each of these solution areas.
Get Started Today

For complete details on certification requirements and exam objectives, please visit vmware.com/certification or contact your local VMware Learning representative. Time to completion of any certification will vary based on many factors, including but not limited to product experience, course completions, and time/effort.

Learn More

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