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®.

**End-User Computing**
Validates skills required for installing, and managing End-User Computing solutions using VMware Workspace One and Desktop Management solutions using VMware Horizon.

**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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**Certification Timeline**
- **2 Weeks**
- **6 Months**
- **12+ Months**
- **24+ Months**

**Experience Gained**
- **Required Training**
- **Recommended Training**
- **Certification**
- **Exam (Required) / Application and Defense**
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Data Center Virtualization Track
Design, install, manage and support vSphere environments

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.

VCAP-DCV Design validates the advanced knowledge of end-user computing environments and components, and the ability to recommend and design VMware solutions to meet specific goals and requirements, showing a deep understanding of data center virtualization design principles and methodologies.

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.
VCTA-CMA 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>Core Technical Skills OR VMware Digital Workspace Fundamentals</td>
<td>Associate VMware Security</td>
<td>VMware Carbon Black Cloud, VMware NSX Security, Device Security</td>
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vSphere Foundations Exam
Additional Training (Recommended)
Professional Certification (VCP)
Submit and Successfully Defend an Original Design
Design Expert Certification (VCDX)
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.

VCP-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.

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.
End-User Computing Track


**VCTA-EUC** 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.

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

**VCAP-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-EUC** 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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**End-User Computing**

**Track**


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**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.

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

**VCAP-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-EUC** 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.
## Application Modernization Track

Develop, manage and migrate applications through the VMware Tanzu portfolio

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

VCP-AM validates a candidate’s expertise with VMware Tanzu Standard Edition including vSphere with Tanzu, Tanzu Kubernetes Grid and Tanzu Mission Control. This certification also demonstrates fundamental cloud native skills including containerization, Kubernetes, and application modernization.

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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.

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**Application Modernization Track**

- **VCTA-AM**: Proves a basic understanding of development and management platforms used for migrating and building customized applications.
- **VCP-AM**: Validates a candidate's expertise with VMware Tanzu Standard Edition including vSphere with Tanzu, Tanzu Kubernetes Grid, and Tanzu Mission Control. It also demonstrates fundamental cloud native skills including containerization, Kubernetes, and application modernization.

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**Spring Professional Certification**

- Validates skills with Spring and Spring Boot, including Spring configuration, component scanning, AOP, data access, transactions, REST, Spring Security auto-configuration, Actuator, and Spring Boot testing.

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**Spring Professional Training Courses**

- **Spring Core Training**: Focuses on Spring's core concepts and best practices.
- **VMware Spring Professional**: Prepares candidates for the Spring Professional certification.

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**Technical Associate Certification (VCTA)**

- Essential for candidate preparation.

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**Additional Recommendations**

- **Additional Training (Recommended)**: Enhances learning beyond the core courses.

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**Certifications**

- **VMware Certified Application Architect (Java)**: Highlights advanced skills in architectural design and implementation.
- **VMware Certified Developer (Java)**: Expands expertise in developing applications.
- **VMware Tanzu PAL for Developers**: Validates proficiency with Tanzu platform applications.

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**Timeline**

- **2 Weeks**
- **6 Months**
- **12+ Months**
- **24+ Months**
VMware Certification Levels

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

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

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

- **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.
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.

**App Modernization**
- VMware Tanzu
  - VMware vSphere 7
  - VMware Cloud on AWS
  - VMware vSAN™
  - VMware Site Recovery Manager™
  - VMware Cloud Foundation™
  - VMware Integrated OpenStack
  - VMware vRealize Suite Lifecycle Manager™
  - VMware vRealize Automation
  - VMware vRealize Orchestrator™
  - VMware vRealize Operations™
  - VMware vRealize Log Insight™
  - VMware Cloud Director™

**Virtual-cloud Network**
- VMware NSX Data Center for vSphere
- VMware NSX-T Data Center
- VMware NSX Advanced Load Balancer™
- VMware SD-WAN™
- VMware vRealize Network Insight™

**Multi-Cloud**
- VMware Carbon Black

**End-User Computing**
- VMware Horizon 7
- VMware Horizon 8
- VMware Horizon Cloud
- VMware App Volumes™/VMware Dynamic Environment Manager™
- VMware Workspace ONE

**Intrinsic Security**
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.