

vmware® LEARNING

# VMware Certification Tracks

Find the optimal path to achieve proficiency and accreditation

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# 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®.



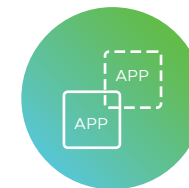
## Cloud Management and Automation

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



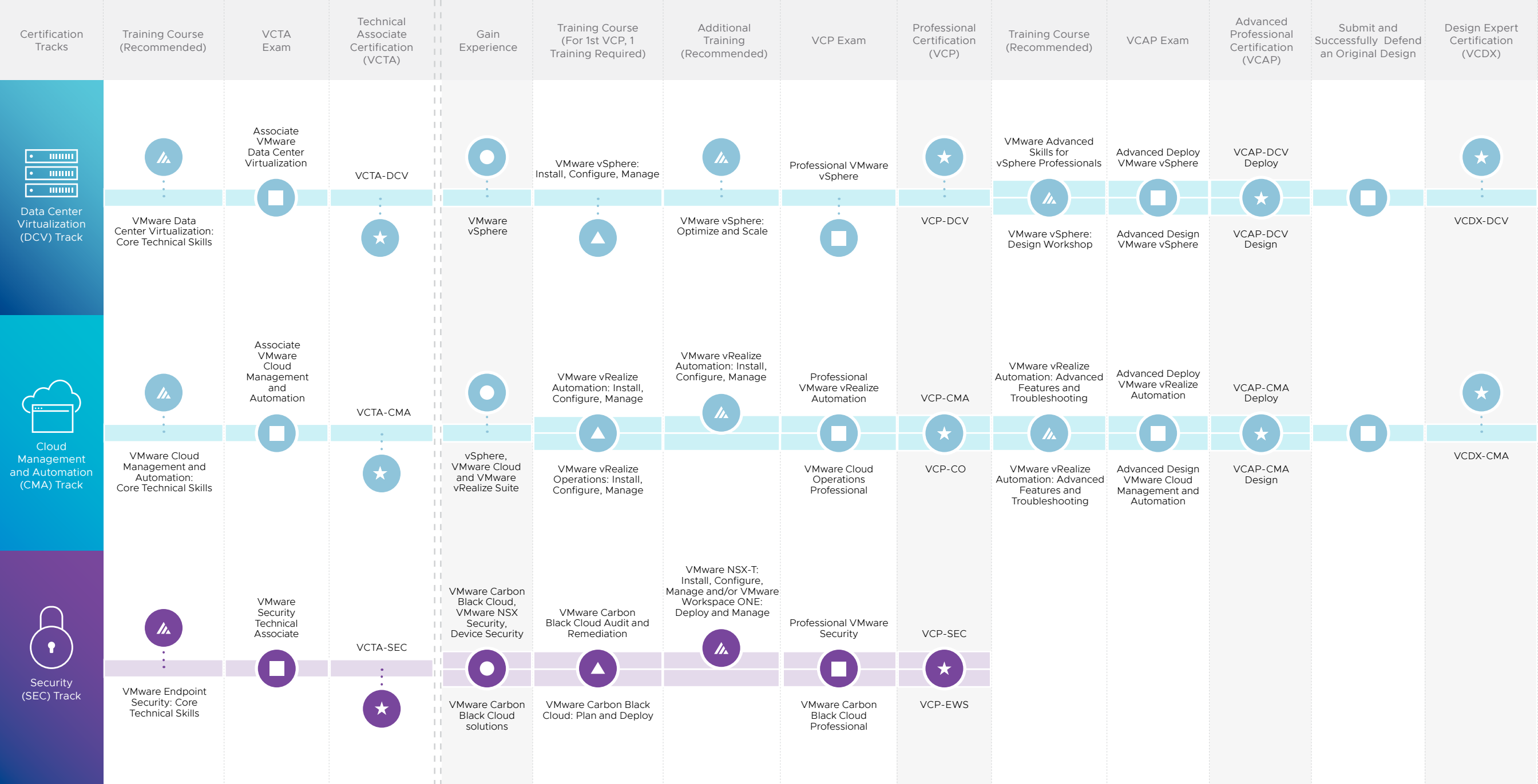
## Network Virtualization

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

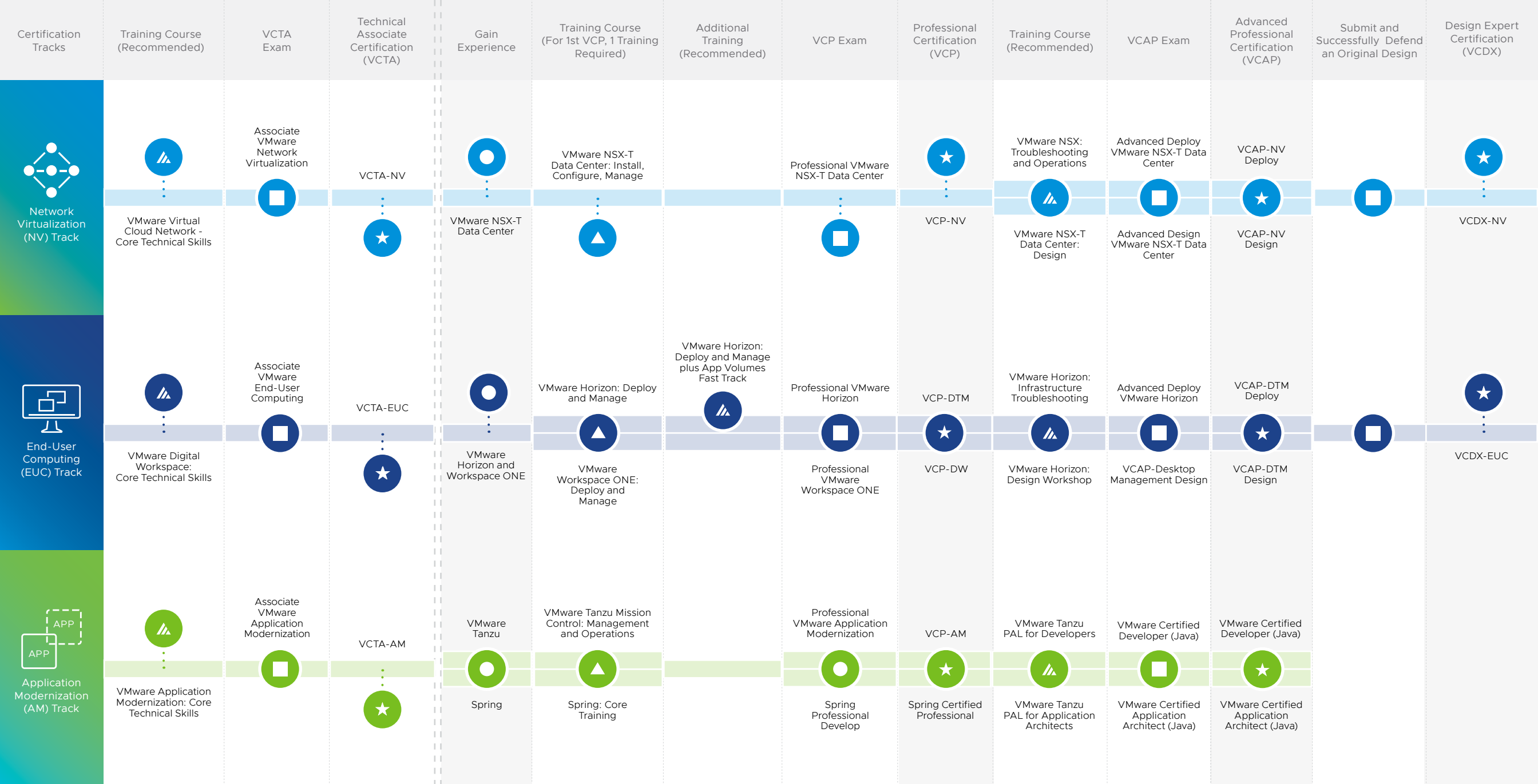


## Application Modernization

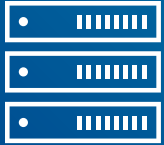
Validates developer knowledge of specialized frameworks and administrator knowledge of emerging technologies, such as VMware Tanzu® and Kubernetes.



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

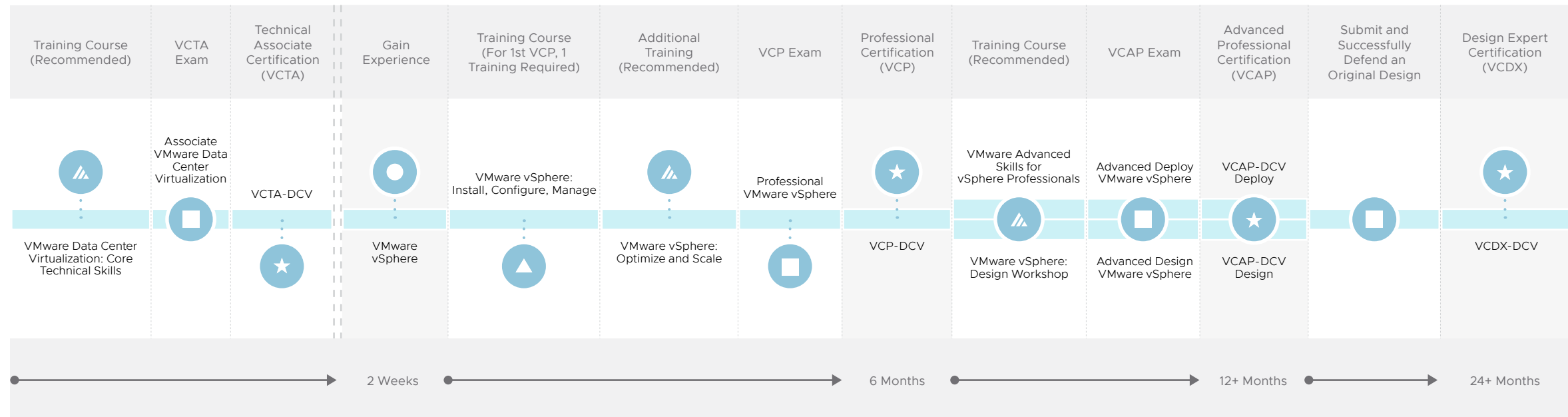
**VCTA-DCV** proves a basic understanding of virtualization and vSphere concepts, and a knowledge of data center technology and basic troubleshooting concepts. It also shows a working knowledge of managing cloud resources and basic networking concepts.

**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.





# Cloud Management and Automation Track

Design, install, configure, optimize and support vRealize and other cloud solutions

**VCTA-CMA** proves a basic understanding of multi-cloud concepts, and a knowledge of cloud technologies and resource management.

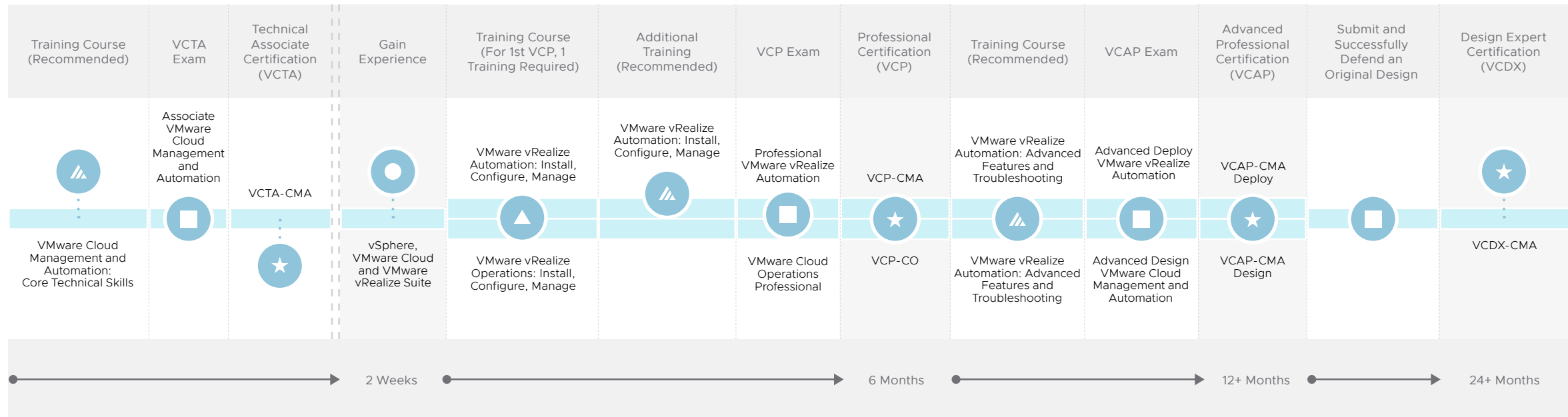
**VCP-CMA** validates the ability to install, configure and administer a vRealize environment to automate key processes within a data center in a repeatable, scalable way that leads to efficiency and improved productivity.

**VCP-Cloud Operations (CO)** validates the ability to install, configure, administer and operate a multi-cloud infrastructure using vRealize Operations™, vRealize Log Insight™, and vRealize Suite Lifecycle Manager™.

**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.



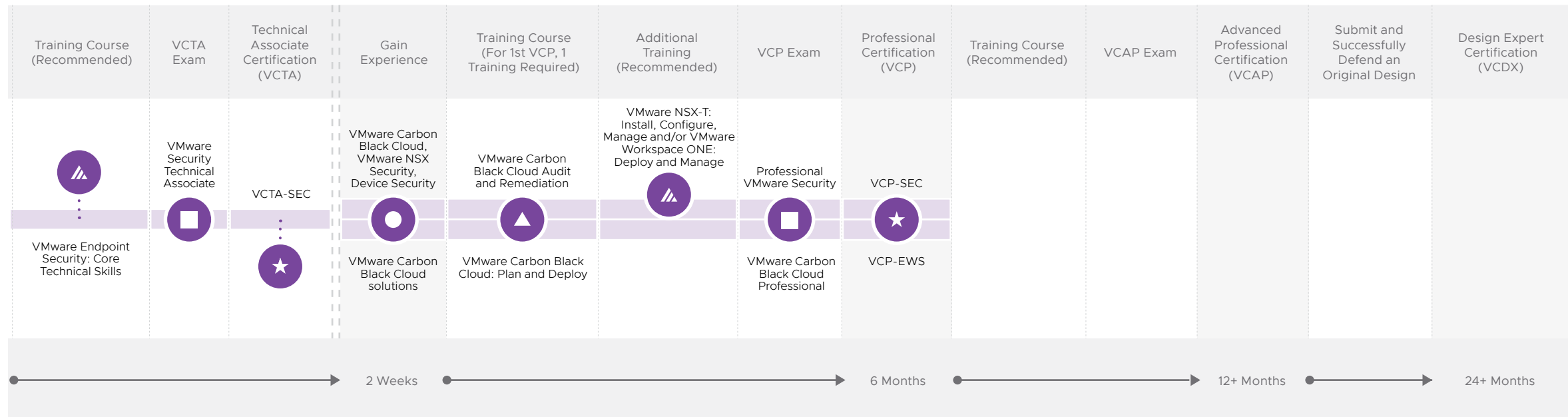


# Security Track

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 the 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.









# End-User Computing Track

Design, install and manage end-user computing solutions using Workspace ONE and desktop management solutions using Horizon

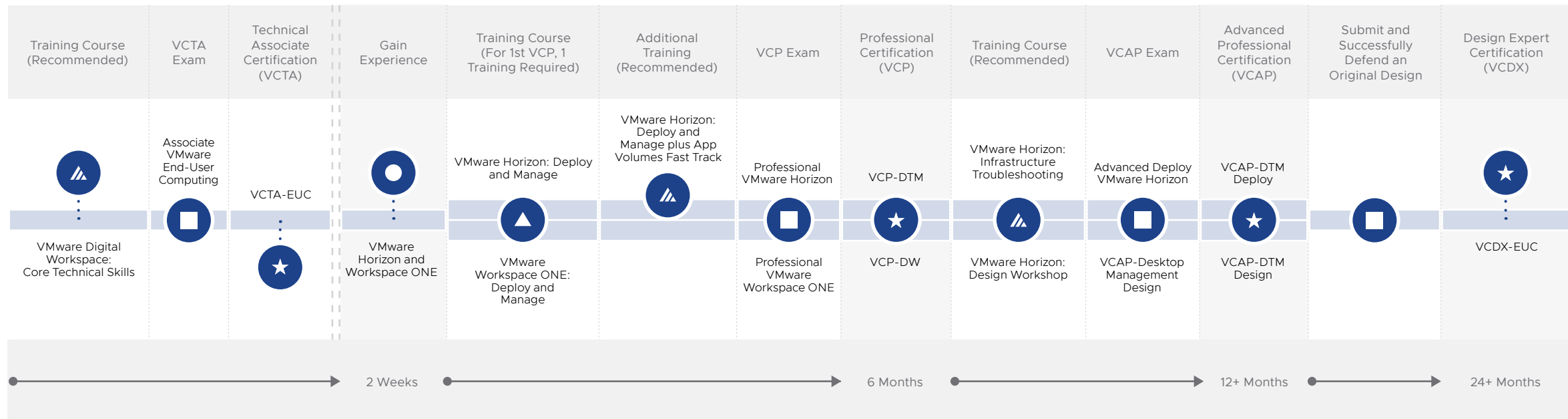
**VCTA-EUC** proves the basic understanding of digital workspace concepts, and the knowledge of remote management and desktop and application virtualization.

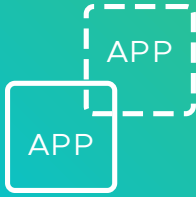
**VCP-DTM** validates skills in performing in-depth configuration and management of Horizon environments to securely deliver personalized virtual desktops, applications, and online services to end users.

**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.

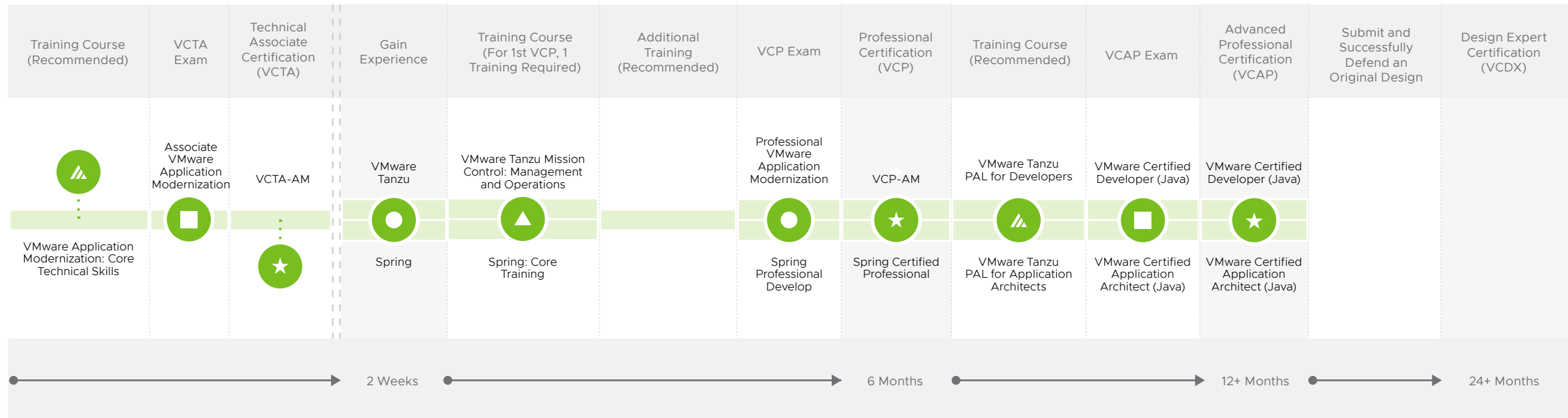
**VCAP-DTM Design** validates the ability to design and integrate large-scale Horizon environments, and proves a deep understanding of desktop and mobility design principles and methodologies.





# Application Modernization Track

Develop, manage and migrate applications through the VMware Tanzu portfolio



# VMware Certification Levels

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

**VCDX**  
VMware Certified Design Expert

## For Architects

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

**VCAP**  
VMware Certified Advanced Professional

## 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 VMware solutions (VCAP Deploy).

**VCP**  
VMware Certified Professional

## For Administrators and Engineers

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

**VCTA**  
VMware Certified Technical Associate

## 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

Spring  
Kubernetes



## Multi-Cloud

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™  
Telco Cloud



## Anywhere Workspace

VMware Horizon 8  
VMware Horizon Cloud Service™  
VMware App Volumes™/VMware  
Dynamic Environment Manager™  
VMware Workspace ONE



## Intrinsic Security

VMware Carbon Black®



## Get Started Today

For complete details on certification requirements and exam objectives, please visit [vmware.com/learning/certification](https://www.vmware.com/learning/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.

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