

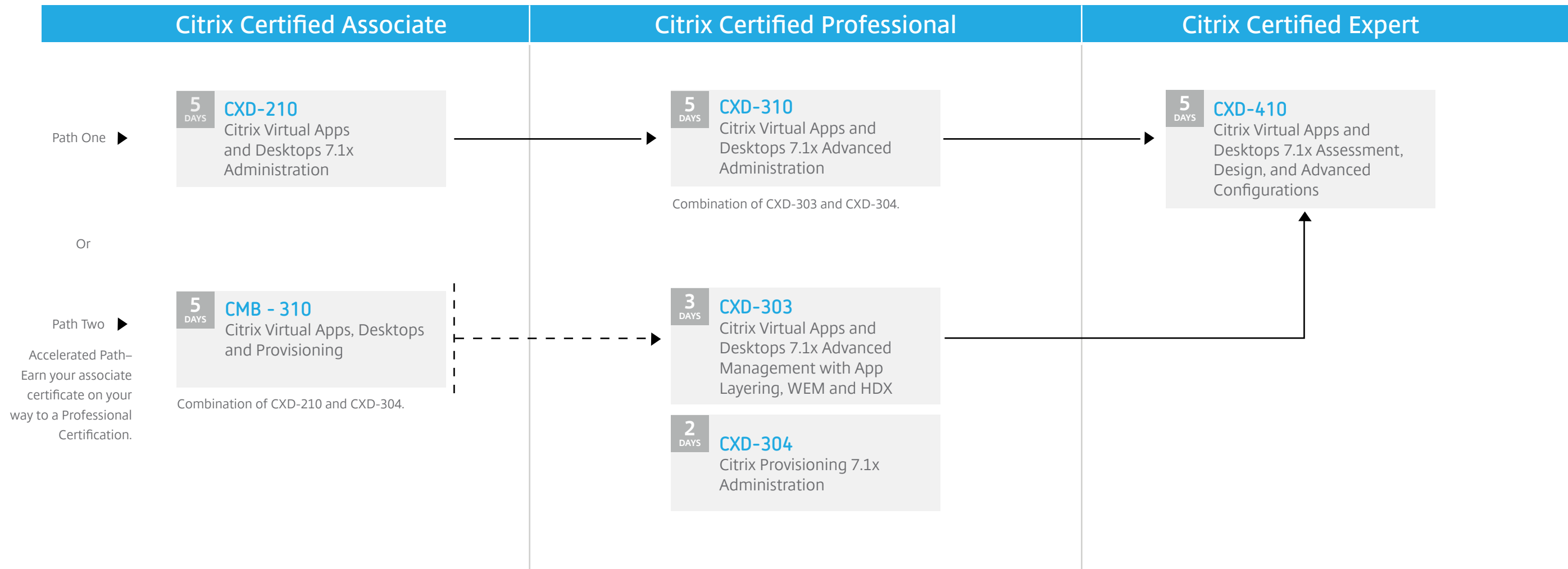


# Citrix Education Learning Journey

The road to becoming Citrix Certified doesn't need to be long and winding. Use our simple-to-follow learning paths to guide your Learning Journey.

Getting started is easy. Choose the technology that you want to learn about. Then use our learning paths to find your desired level of training or simply browse the catalog to find the course that is right for you.

## App Virtualization & VDI – Learning Journey



## Cloud Training

**3 DAYS**  
**CXD-250**  
 Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud

**2 DAYS**  
**CXD-251**  
 Citrix Virtual Apps and Desktops Service on Microsoft Azure

**5 DAYS**  
**CXD-252**  
 Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud with Microsoft Azure

Combination of CXD-250 and CXD-251.

## App Virtualization & VDI – Course Catalog

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### **CXD-105**

#### [Citrix Virtual Apps and Desktops Help Desk Support](#)

Designed for help desk representatives supporting Citrix Virtual Apps and Desktops, this two-day course will teach you how to efficiently troubleshoot, resolve and document user issues. These include determining root cause, deciding when to escalate and preventing recurrence. The course also covers common help desk issues such as authentication, printing and policies.

### **CXD-210**

#### [Citrix Virtual Apps and Desktops 7.1x Administration](#)

This foundational administration course covers the major aspects of installing, configuring and managing a highly available Citrix Virtual Apps and Desktops 7.1x environment. Gain an understanding of the solution architecture and communications, and the factors that contribute to a successful deployment. This five-day course will teach you how to deploy and deliver apps and desktops; install and configure StoreFront and Citrix Workspace App, set up profile management, and configure policies, printing and basic security features. You'll also learn how to monitor and troubleshoot the environment with Citrix Director. This training will help you prepare for the Citrix Certified Associate in Virtualization (CCA-V) exam.

### **CTX-272**

#### [Securing Citrix Workspace Solutions](#)

Learn to secure your virtualization deployments with this two-day course that covers Citrix Virtual Apps and Desktops. You'll learn how to secure Citrix Virtual Apps and Desktops traffic, understand when and where to secure traffic between Citrix Virtual Apps and Desktops components, and advanced authentication implementations covering multi-factor authentication, Smart Card, SAML, and FAS.

### **CXD-310**

#### [Citrix Virtual Apps and Desktops 7.1x Advanced Administration](#)

Get more value out of your Citrix Virtual Apps and Desktops 7.1x investment through the use of Workspace Environment Management, Provisioning Services, Application Layering, and advanced features. You'll leave this course with a good understanding of how to manage more complex solutions such as multizone environments spanning multiple locations with configurations around StoreFront, the Delivery Controllers, and HDX. You'll gain the skills to improve logon times, user personalization, and resource performance through Workspace Environment Management. Also, learn to optimize management of your app and desktop images by building and combining App Layers. End the course by learning to install, configure, and manage Provisioning Services in accordance with leading practices.

### **CXD-303**

#### [Citrix Virtual Apps and Desktops 7.x Advanced Management with App Layering, WEM and HDX](#)

Get more value out of your Citrix Virtual Apps and Desktops investment through the use of Workspace Environment Management, Application Layering and advanced features. You'll leave this course with a good understanding of how to manage more complex solutions such as multi-zone environments spanning multiple locations with configurations around StoreFront, the Delivery Controllers and HDX. You'll gain the skills to improve logon times user personalization and resource performance through Workspace Environment Management. Also, learn to optimize management of your app and desktop images by building and deploying App Layers with Citrix Virtual Apps and Desktops.

## App Virtualization & VDI – Course Catalog (continued)

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### **CXD-304**

#### [Citrix Provisioning 7.1x Administration](#)

Learn to install and configure a highly available Provisioning Services farm according to leading practices. Learn about Provisioning Services architecture and communication. Manage and integrate vDisks and target devices with Citrix Virtual Apps and Desktops for easy rollback, upgrades, and performance of Virtual Delivery Agent machines.

### **CMB-310**

#### [Citrix Virtual Apps, Desktops, and Provisioning Services 7.1x Administration \(Fast Track\)](#)

Learn how to install, configure and manage a highly available Citrix Virtual Apps and Desktops 7.1x environment plus a Provisioning Services 7.1x environment for image management. Understand the solution architecture/communications, and how to deploy/deliver apps and desktops (MCS and PVS); install StoreFront and Citrix Receiver; set up profile management; and configure policies, printing and basic security features.

### **CXD-250**

#### [Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud](#)

Navigate the move from an on-premises infrastructure to the Citrix Virtual Apps and Desktops Service on Citrix Cloud. This course will teach you to install and configure Cloud Connectors and deliver app and desktop resources to on-premises locations. It covers design considerations for locating StoreFront and Citrix ADC Gateway in Citrix Cloud, and migrating workloads to a public cloud.

### **CXD-251** **NEW**

#### [Citrix Virtual Apps and Desktops Service on Microsoft Azure](#)

Learn to deploy and manage your Citrix Virtual Apps and Desktops workloads in Microsoft Azure. Gain the skills to plan your machine catalog design and virtual machine sizing based in Microsoft's public cloud and explore additional Azure considerations including maintenance, power management, and access.

### **CXD-252** **NEW**

#### [Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud and Microsoft Azure](#)

Navigate the move from an on-premises environment into Citrix Cloud and learn to deploy resource locations onto Microsoft Azure. Learn the architecture, communications, and management of Citrix Cloud and the Citrix Virtual Apps and Desktops Service and then migrate existing infrastructure and settings into Citrix Cloud.

### **CXD-410** **NEW**

#### [Citrix Virtual Apps and Desktops 7.1x Assessment, Design, and Advanced Configurations](#)

This advanced 5-day training course covers design principles for creating a practical Citrix Virtual Apps and Desktops virtualization solution. As part of this training you will assess existing environments and explore different scenarios to link business requirements to design decisions. This course follows the Citrix Consulting approach to design and covers the key design decisions through lecture, lab exercises and interactive discussions. You will also learn about additional considerations and advanced configurations for multi-location solutions and disaster recovery planning.

## App Virtualization & VDI – Course Catalog (continued)

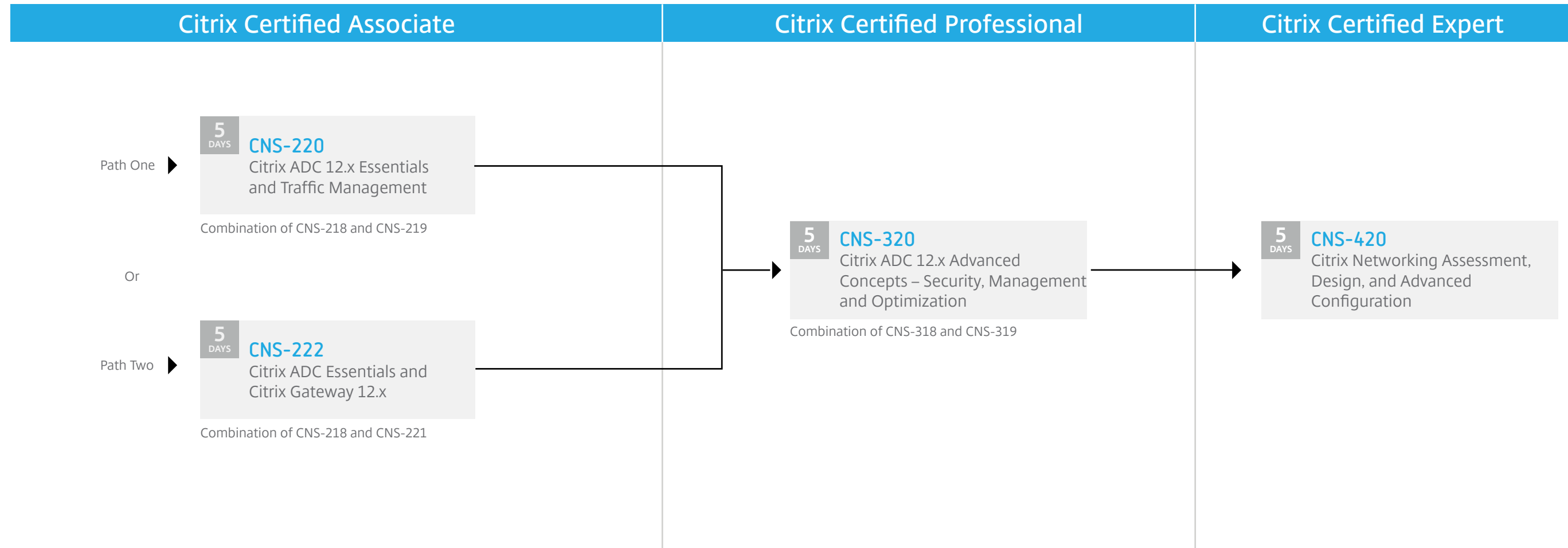
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**CXS-301**  **NEW**

[Citrix Hypervisor 7.1 LTSR Administration](#)

Designed for students without previous Citrix Hypervisor experience. This course provides the skills necessary to effectively design, deploy, manage and support Citrix Hypervisor 7.1 LTSR. Configure a complete enterprise solution – covering everything from installation to advanced troubleshooting in a virtual lab environment.

# Networking – Learning Journey



## Individual Training

**3 DAYS** **CNS-218**  
Citrix ADC 12.x Essentials

Limited Availability to EMEA and APJ

**2 DAYS** **CNS-219**  
Citrix ADC 12.x Traffic Management

**2 DAYS** **CNS-221**  
Citrix Gateway 12.x

**3 DAYS** **CNS-318**  
Citrix ADC 12.x Advanced Concepts – Secure Web Application

**2 DAYS** **CNS-319**  
Citrix ADC 12.x Advanced Concepts – Management and Optimization

**3 DAYS** **CTX-271**  
Securing Citrix Networking and Mobility Solutions

**3 DAYS** **CNS-230**  
Deploy and Manage Citrix SD-WAN – Essentials

SD-WAN Certification Available

## Networking – Course Catalog

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### CNS-230 **NEW**

#### Citrix SD-WAN Essentials

Learn the various SD-WAN implementations and deployment modes available, and how to choose the one that is right for your organization. Take a tour of the underlying architecture of SD-WAN and learn how to differentiate between the various components. Understand how the different elements of SD-WAN come together to provide a better network experience. Topics include: Quality of Service, Classes of Service, Rules, Dynamic Routing, DHCP Services, Zero Touch Deployment and the SD-WAN management tools available. Hands-on labs to be provided.

### CNS-218

#### Citrix ADC 12.x Essentials

Learn the skills be able to configure Citrix ADC environments to address traffic delivery and management requirements including Load Balancing, Availability, and Citrix ADC Operation Management. Also learn the skills required to configure and manage Citrix ADC Traffic Management features, including Content Switching, Traffic Optimization, and Global Server Load Balancing.

### CNS-219

#### Citrix ADC 12.x Traffic Management

Learn the skills required to configure and manage Citrix ADC Traffic Management features, including Content Switching, Traffic Optimization, and Global Server Load Balancing. At the end of the course, students will be able to configure their Citrix ADC environments to address efficient traffic switching and resilience requirements including Content Switching, Traffic Optimization, and Disaster Recovery.

### CNS-220 (Combination of CNS-218 & CNS-219)

#### Citrix ADC 12.x Essentials and Traffic Management

At the end of the course, students will be able to configure their Citrix ADC environments to address traffic delivery and management requirements including Load Balancing, Availability, and Citrix ADC Operation Management. Also learn the skills required to configure and manage Citrix ADC Citrix Traffic Management features, including Content Switching, Traffic Optimization, and Global Server Load Balancing.

### CNS-221

#### Citrix Gateway 12.x

Learn the skills required to configure and manage Citrix ADC Gateway and Unified Gateway features, including how to implement Gateway components including Citrix ADC Gateway and Unified Gateway. At the end of the course, students will be able to configure their Citrix ADC environments to address remote access requirements for Apps and Desktops.

### CNS-222 (Combination of CNS-218 & CNS-221)

#### Citrix ADC Essentials and Citrix Gateway 12.x

Learn the skills required to implement Citrix ADC components including secure Load Balancing, High Availability, and Citrix ADC Management, Citrix ADC Gateway features. At the end of the course, students will be able to configure their Citrix ADC environments to address traffic delivery and management requirements including load balancing, availability, and Citrix ADC operation management and to address remote access requirements for Apps and Desktops.

## Networking – Course Catalog

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### CTX-271

#### [Securing Citrix Networking and Mobility Solutions](#)

Learn to secure your networking and mobility deployments with this three-day course that covers Citrix ADC, Citrix Endpoint Management and Citrix Content Collaboration. You'll explore networking security fundamentals and learn about various network attacks, such as SSL exploits and how to protect your network against them. Understand how authentication, authorization, and auditing plays a role in both your networking and mobility environment, and how to augment security with multi-factor authentication. Explore certificates, policies, and the many management options for your deployments to lockdown your data with AppFirewall, Secure Citrix Endpoint Management applications, and Citrix Content Collaboration.

### CNS-318

#### [Citrix ADC 12.x Advanced Concepts – Secure Web Applications](#)

Designed for students with previous Citrix ADC experience, this course is best suited for individuals who will be deploying and/or managing Citrix ADC Application Firewall (AppFirewall) in Citrix ADC environments.

### CNS-319

#### [Citrix ADC 12.x Advanced Concepts – Management and Optimization](#)

This course is designed for students with previous Citrix ADC experience, and best suited for individuals who will be deploying Citrix ADC Management and Analytics System (MAS) to administer a Citrix ADC environment or optimize Citrix ADC-managed application delivery traffic.

### CNS-320

#### [Citrix ADC 12.x Advanced Concepts – Security, Management and Optimization](#)

This course is designed for students with previous Citrix ADC experience, and best suited for individuals who will be deploying and/or managing Citrix ADC Application Firewall (AppFirewall) to secure application access in a Citrix ADC environment, as well as Citrix ADC Management and Analytics System (MAS) to administer a Citrix ADC environment or optimize Citrix ADC-managed application delivery traffic.

### CNS-420 **NEW**

#### [Citrix Networking Assessment, Design, and Advanced Configuration](#)

In this expert level 5-day training course you will be exposed to advanced networking and Citrix ADC concepts and configurations. Through lecture, lab exercises, and real-world case studies, you will learn to look critically at environment requirements, constraints, and business drivers to create a complex Citrix networking solution. Topics to be covered in this course include multi-site and multi-tenant deployments, advanced authentication and load balancing, and automation and orchestration and advanced troubleshooting. This training will also prepare you for the Citrix Certified Expert in Networking (CCE-N) exam to be released in 2018.



## Mobility – Learning Journey

Citrix Certified Associate	Citrix Certified Professional	Citrix Certified Expert
	<p><b>5</b> DAYS</p> <p><b>CXM-303</b> Deploying Enterprise Mobility Solutions with Citrix Endpoint Management</p>	

## Individual Training

**3**  
DAYS

**CXM-202**  
Managing and Supporting a Mobility Solution with Citrix Endpoint Management

No Certification tied to this course  
(To be discontinued Q3 2018)

**3**  
DAYS

**CEM-205**  
Manage Citrix Endpoint Management

Citrix Endpoint Management Certification Available

**2**  
DAYS

**CSF-201**  
Citrix Content Collaboration Enterprise Essentials

Citrix Content Collaboration Certification Available

**3**  
DAYS

**CTX-271**  
Securing Citrix Networking and Mobility Solutions

## Mobility – Course Catalog

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### CXM-202

Managing and Supporting a Mobility Solution with Citrix Endpoint Management  
*(To be discontinued Q3 2018)*

This course provides the skills necessary to manage, support, and troubleshoot a Citrix Endpoint Management 10 Enterprise environment. Students with limited or no Citrix Endpoint Management experience will gain an understanding of what is required to maintain the components of a Citrix Endpoint Management Enterprise solution. Students will have access to hands-on exercises within a virtual lab environment to understand basic details behind the installation of solution controllers, to configure and test policies, manage device and application usage, perform troubleshooting and reporting, and more.

### CXM-303

Deploying Enterprise Mobility with Citrix Endpoint Management

This course provides the skills necessary to install, configure, and integrate components in a Citrix Endpoint Management 10 Enterprise solution. Students with limited or no Citrix Endpoint Management experience will gain an understanding of the components of a Citrix Endpoint Management Enterprise solution and their functions. Students will deploy and configure the Citrix Endpoint Management Enterprise components, apply principles to enroll mobile devices, install mobile apps, and use policies to manage device and application usage in a lab environment. In addition, topics such as how to integrate additional Citrix products and applications as part of the solution and how to troubleshoot some of the most common implementation issues will be discussed.

### CSF- 201

Citrix Content Collaboration Enterprise Essentials

Designed for students with little previous Citrix Content Collaboration experience. Learn the skills required to implement Citrix Content Collaboration components including the Citrix Content Collaboration for Windows client, Citrix Virtual Apps and Desktops client, and StorageZones. Learn to integrate Citrix Content Collaboration with key backend elements including Microsoft ADFS for single sign-on and understand the data flow behind it. Also learn to navigate the Citrix Content Collaboration control plane user interface. At the end of the course students will be able to configure and manage their Citrix Content Collaboration environments to address their Enterprise File Sharing and Sync requirements.

### CTX-271

Securing Citrix Networking and Mobility Solutions

Learn to secure your networking and mobility deployments with this three-day course that covers Citrix ADC, Citrix Endpoint Management and Citrix Content Collaboration. You'll explore networking security fundamentals and learn about various network attacks, such as SSL exploits and how to protect your network against them. Understand how authentication, authorization, and auditing plays a role in both your networking and mobility environment, and how to augment security with multi-factor authentication. Explore certificates, policies, and the many management options for your deployments to lockdown your data with AppFirewall, Secure Citrix Endpoint Management applications, and Citrix Content Collaboration

## Mobility – Course Catalog

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### CEM-205 **NEW**

#### Manage Citrix Endpoint Management

Students will explore how to manage Citrix Endpoint Management in this three day course. Venture into the cloud as students learn to manage devices, apps, and users. Students will learn how the architecture, management, and communication flow function with Citrix Endpoint Management Service and how they can fit their organization's needs. You will learn how to administer their Citrix Endpoint Management environment and how to support your end users, as well as working with applications and securing a variety of endpoints.

## Cloud – Learning Journey

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## Cloud – Course Catalog

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### CXD-250

#### [Moving to Citrix Virtual Apps and Desktops on Citrix Cloud](#)

Learn how to navigate the move from Citrix Virtual Apps and Desktops on-premises to the Citrix Cloud. Get hands-on as the course guides you through the architecture, communications, management, installation, and configuration of Citrix Cloud and the Cloud Connector. Learn about the many services available in Citrix Cloud and understand the considerations for migrating resources to a public cloud. If you are planning or considering a move to the Citrix Cloud, this course is a necessary step in enabling you with the right training and skills to understand, manage, and deliver a successful migration. Students will receive a Student Manual, Lab Exercise Guide, and access to a lab environment for the duration of the course.

### CXD-251

#### [Citrix Virtual Apps and Desktops Service on Microsoft Azure](#)

Learn to deploy and manage your Citrix Virtual Apps and Desktops apps and desktops in Microsoft Azure. Gain the skills to plan your machine catalog and virtual machine design based in Microsoft's public cloud and get hands-on practice deploying those machines using Machine Creation Services. You will also learn about additional Azure considerations including maintenance and power management which are critical in a cloud environment. For remote access, you will learn to configure Citrix StoreFront and Citrix Gateway on the Azure platform. This course focuses on Microsoft Azure as a Citrix Cloud resource location, however concepts are relevant to both Citrix Cloud and fully managed Citrix Virtual Apps and Desktops sites.

If you are planning to move to Citrix Cloud, it is recommended that you enroll in CXD-252 Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud and Microsoft Azure which includes both Citrix Cloud architecture and administration in addition to the content covered in this course in a 5-day format.

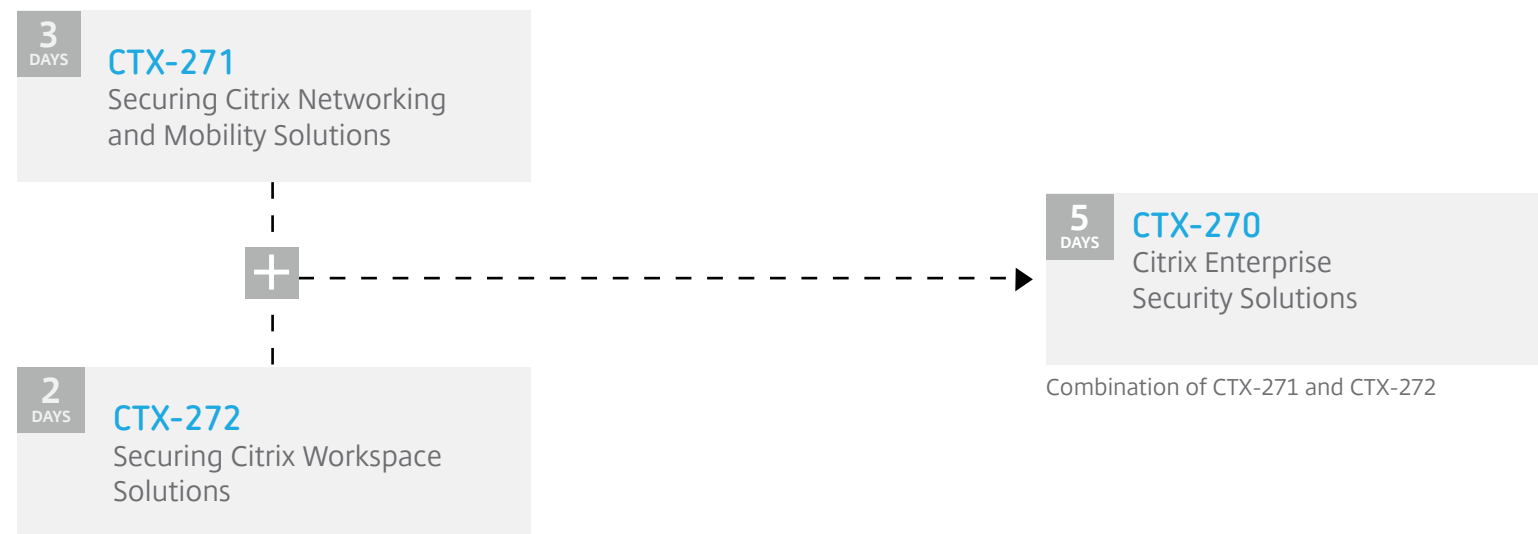
### CXD-252

#### [Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud and Microsoft Azure](#)

Navigate the move from an on-premises environment into Citrix Cloud and learn to deploy resource locations onto Microsoft Azure. Learn the architecture, communications, and management of Citrix Cloud and the Citrix Virtual Apps and Desktops Service and then migrate existing infrastructure and settings into Citrix Cloud. Plan machine catalog and virtual machine design based in Microsoft's public cloud and deploy those machines using Machine Creation Services. Additional Azure considerations include maintenance and power management. Learn to configure Citrix StoreFront and Gateway as a service within Citrix Cloud or as managed machines in your datacenter or on the Azure platform for remote access.

## Security – Learning Journey

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## Security – Course Catalog

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### CTX- 270

#### [Securing Citrix Workspace Solutions](#)

Learn to secure your Citrix environment in this hands-on course that encompasses the core Citrix technologies, including Citrix Virtual Apps and Desktops, Citrix ADC, Citrix Endpoint Management, Citrix Content Collaboration, and Citrix Cloud. Explore potential security gaps in your environment and learn how to mitigate these through a comprehensive look at the Citrix technologies. Topics include application and data security, Citrix authentication, authorization, and auditing workflows, operating system hardening, mitigation against network vulnerabilities, hypervisor security, and methods to secure Citrix traffic.

### CTX-271

#### [Securing Citrix Networking and Mobility Solutions](#)

Learn to secure your networking and mobility deployments with this three-day course that covers Citrix ADC, Citrix Endpoint Management and Citrix Content Collaboration. You'll explore networking security fundamentals and learn about various network attacks, such as SSL exploits and how to protect your network against them. Understand how authentication, authorization, and auditing plays a role in both your networking and mobility environment, and how to augment security with multi-factor authentication. Explore certificates, policies, and the many management options for your deployments to lockdown your data with AppFirewall, Secure Citrix Endpoint Management applications, and Citrix Content Collaboration

### CTX-272

#### [Securing Citrix Workspace Solutions](#)

Learn to secure your virtualization deployments with this two-day course that covers Citrix Virtual Apps and Desktops You'll learn how to secure Citrix Virtual Apps and Desktops traffic, getting an understanding of when and where to secure traffic between Citrix Virtual Apps and Desktops components, and advanced authentication implementations covering multifactor authentication, Smart Card, SAML, and FAS. Additionally, you'll explore, how to protect your applications against vulnerabilities, Citrix Cloud security leading practices as well as operating system hardening, hypervisor security, and monitoring and operations Citrix recommended practices.

**Corporate Headquarters**

Fort Lauderdale, FL, USA

**Silicon Valley Headquarters**

Santa Clara, CA, USA

**EMEA Headquarters**

Schaffhausen, Switzerland

**India Development Center**

Bangalore, India

**Online Division Headquarters**

Santa Barbara, CA, USA

**Pacific Headquarters**

Hong Kong, China

**Latin America Headquarters**

Coral Gables, FL, USA

**UK Development Center**

Chalfont, United Kingdom

**About Citrix**

Citrix (NASDAQ:CTXS) is leading the transition to software-defining the workplace, uniting virtualization, mobility management, networking and SaaS solutions to enable new ways for businesses and people to work better. Citrix solutions power business mobility through secure, mobile workspaces that provide people with instant access to apps, desktops, data and communications on any device, over any network and cloud. With annual revenue in 2014 of \$3.14 billion, Citrix solutions are in use at more than 330,000 organizations and by over 100 million users globally. Learn more at [www.citrix.com](http://www.citrix.com).

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