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.
## Digital Workspace – Learning Journey

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<td>Desktops 7 Administration On-Premises and in Citrix Cloud</td>
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<td>CMB-318 Citrix Virtual Apps and</td>
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Accelerated Path – Earn your associate certificate on your way to a Professional Certification.

### Citrix Services

<table>
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<td>3 DAYS</td>
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<td>5 DAYS</td>
<td>3 DAYS</td>
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Combination of CXD-250 and CXD-251
Digital Workspace – Course Catalog

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.

CWS-206  
Citrix Workspace Microapps Essentials  
This foundational course to Citrix Workspace intelligence ushers students into the new generation of Citrix teaching how intelligent features help organize, guide, and automate the future of work. Gain an understanding of the fundamentals of web services, APIs, and systems integrations through building microapps designed to boost employee productivity and optimize the end user experience. This three-day course will cover the fundamentals of Citrix Microapps, web services, security considerations and API troubleshooting to help you successfully deploy microapps in your environment.

CWS-215  
Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud  
If you are new to Citrix or if you are planning a move to Citrix Cloud, this course is a necessary step in enabling you with the right training and skills to manage and deploy Citrix Workspace successfully. This foundational administration course covers the aspects of installing, configuring and managing a Citrix Virtual Apps and Desktops 7 environment, how to manage an on-premises Citrix solution and migrate from an on-premises solution to cloud using the Citrix Cloud management plane. This five-day course will teach you how to deploy, install, configure, setup profile management, configure policies, printing and basic security features for on-premises Virtual Apps and Desktop solution building, and then migrating to Citrix Cloud.

CMB-318  
Citrix Virtual Apps and Desktops 7, App Layering, and WEM Administration (Fast-Track)  
Built for experienced IT Professionals new to Citrix Virtual Apps and Desktops 7 in an on-premises or Citrix Cloud environment looking to gain as much information as possible in the 5-day course. In this course you will learn the considerations and how-to setup a new Citrix Virtual Apps and Desktop site including advanced topics as WEM and App Layering allowing fast-track preparation for the CCP-V certification. Potential students include administrators or engineers responsible for the Citrix Apps and Desktop 7 Site. Some experience with previous versions of the product is recommended.

CWS-313  
Citrix Virtual Apps and Desktops 7 Advanced Deployment, Troubleshooting, Security and Administration  
Designed for experienced IT professionals this course builds on the foundational implementation and management skills introducing scalability, redundancy and security configurations. You will learn techniques to investigate many of the common issues that can affect environment health and how to solve issues more effectively in the advanced troubleshooting section. You will leave this course with a good understanding of how to manage more complex solutions such as multi-location environments with configurations around StoreFront, the Delivery Controllers, Cloud Connectors and HDX.
## Digital Workspace – Course Catalog

**CWS-314  📒  📚**  
**Citrix App Layering and WEM Administration**  
Designed for experienced IT professionals, you will learn to build and combine App Layers to optimize management of your app and desktop images and to implement Workspace Environment Management to improve logon times, centralize user settings management, and optimize the performance of machines. You will leave this course with a good understanding of how to manage more complex solutions and features in your Citrix Virtual Apps and Desktop 7 site.

**CWS-315  📒  📚  📚**  
**Citrix Virtual Apps and Desktops 7 Advanced Administration**  
Designed to learn how to set up scalability, redundancy and security configurations. You will learn advance features to optimize management of your app and desktop images by building and combining App Layers and Workspace Environment Management, which can improve logon times, centralize user settings management, optimize the performance of machines running the Virtual Delivery Agent (VDA). In the advanced troubleshooting section, you will learn techniques to investigate many of the common issues that can affect environment health. 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.

**CWS-316  📒  📚  📚**  
**Citrix Provisioning 7 Administration**  
Improve your Citrix Virtual Apps and Desktops image management and performance with Citrix Provisioning. Learn to install and configure a highly available Citrix Provisioning farm according to leading practices. In this course, you will learn about the architecture, communication, and processes that make up Citrix Provisioning to be successful with deploying and managing a farm. Manage and integrate vDisks and target devices with Citrix Virtual Apps and Desktops for easy rollback, upgrades, and performance of Virtual Delivery Agent machines. At the end of this course you will be able to install, configure and manage the Citrix Provisioning 7 solution.

**CXD-250  📒  📚  📚**  
**Moving to the Citrix Virtual Apps and Desktops Service 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.
App Virtualization & VDI – Course Catalog (continued)

**CXD-251**

Citrix Virtual Apps and Desktops Service on Microsoft Azure

Learn 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.

**CXS-301**

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.

**CWS-415**

Citrix Virtual Apps and Desktops 7 Assessment, Design and Advanced Configuration

This advanced 5-day training course teaches the design principles for creating a Citrix Virtual Apps and Desktops virtualization solution. In this training, you will also learn how to assess existing environments, explore different scenarios, and make design decisions based on business requirements. This course covers the Citrix Consulting approach to design and covers the key design decisions through lectures, lab exercises, and interactive discussions. You will also learn about additional considerations and advanced configurations for multi-location solutions and disaster recovery planning. This training will help you prepare for the Citrix Certified Expert in Virtualization (CCE-V) exam.
# Networking – Learning Journey

## Citrix Certified Associate

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
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<tbody>
<tr>
<td>CNS-220</td>
<td>Citrix ADC 12.x Essentials and Traffic Management</td>
<td>5 DAYS</td>
</tr>
<tr>
<td>CNS-221</td>
<td>Combination of CNS-218 and CNS-219</td>
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</tr>
<tr>
<td>CNS-222</td>
<td>Citrix ADC Essentials and Citrix Gateway 12.x</td>
<td>5 DAYS</td>
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<tr>
<td>CNS-223</td>
<td>Combination of CNS-218 and CNS-221</td>
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## Citrix Certified Professional

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<td>CNS-321</td>
<td>Combination of CNS-318 and CNS-319</td>
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## Citrix Certified Expert

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>CNS-420</td>
<td>Citrix Networking Assessment, Design, and Advanced Configuration</td>
<td>5 DAYS</td>
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### Individual Training

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CNS-218</td>
<td>Citrix ADC 12.x Essentials</td>
<td>3 DAYS</td>
</tr>
<tr>
<td>CNS-219</td>
<td>Citrix ADC 12.x Traffic Management</td>
<td>2 DAYS</td>
</tr>
<tr>
<td>CNS-221</td>
<td>Citrix Gateway 12.x</td>
<td>2 DAYS</td>
</tr>
<tr>
<td>CNS-318</td>
<td>Citrix ADC 12.x Advanced Concepts – Secure Web Application</td>
<td>3 DAYS</td>
</tr>
<tr>
<td>CNS-319</td>
<td>Citrix ADC 12.x Advanced Concepts – Management and Optimization</td>
<td>2 DAYS</td>
</tr>
<tr>
<td>CNS-230</td>
<td>Deploy and Manage Citrix SD-WAN – Essentials</td>
<td>3 DAYS</td>
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</tbody>
</table>

*Limited Availability to EMEA and APJ*

*SD-WAN Certification Available*
CNS-230  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 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 Gateway and Unified Gateway features, including how to implement Gateway components including Citrix 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. 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

**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 13.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**  📚  📚 (Combination of CNS-318 & CNS-319)
Citrix ADC 12.x Advanced Concepts – Security, Management and Optimization
This course is designed for students with previous experience 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**  📚  📚
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.
# Digital Workspace – Learning Journey

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<tr>
<th>Citrix Endpoint Management Certified</th>
<th>Citrix Content Collaboration Certified</th>
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<tr>
<td><strong>3 Days</strong> CEM-205 Manage Citrix Endpoint Management</td>
<td><strong>2 Days</strong> CSF-201 Citrix Content Collaboration Enterprise Essentials</td>
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</table>

Citrix Endpoint Management Certification Available

Citrix Content Collaboration Certification Available
Digital Workspace – Course Catalog

**CEM-205**
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.

**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.

*CSF-202 eLearning course available*
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.

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