

Citrix Application Delivery Controller (ADC)

Easily improve application delivery performance, security, and resiliency

In today's application-centric world, it's imperative that business apps meet the demands placed on them by employees and customers.

With Citrix Application Delivery Controller (ADC), you can improve the performance, security, and resiliency of business-critical application delivery. Citrix ADC helps you:

- Deliver and protect all applications regardless of architecture (monolithic and microservices-based) wherever they are deployed, whether on-prem or in the cloud of your choice
- Ensure operational consistency across hybrid multi-cloud environments with a single, unified code base across all Citrix ADC platforms and form factors
- Intelligently manage requests to and offload connection management from back-end resources to increase application scalability, availability, performance, and security
- Get actionable end-to-end insight into applications, infrastructure, and network across all environments
- Proactively troubleshoot your entire multi-cloud environment through a single, centralized pane of glass

Let's take a closer look at what Citrix ADC can do for you.

Accelerate the transition to multi-cloud

Citrix ADC platforms are built on a single, unified code base with multiple form factors (physical, virtual, multi-tenant, bare metal, container, and public cloud images) for security and operational consistency across any deployment. Manage all instances centrally through Citrix Application Delivery Management (ADM) and reposition application delivery workload from on-premises to cloud environments as needed with Citrix's uniquely flexible Pooled Capacity licensing.



Maintain a consistent security posture for all apps

Citrix ADC offers comprehensive security features that are consistent across all platforms and environments. This allows you to define and enforce the same security policies for all your apps everywhere.

Network security	Get powerful security functionality across the application stack to protect users and applications from bad actors with IP reputation filtering, mitigation of DDoS attacks, and more.
SSL encryption & decryption	Benefit from the most secure end-to-end application data transfer with industry-leading SSL encryption and decryption capabilities and support for the strongest protocols and cipher suites.
Remote access	Secure application access control that includes adaptive identity control, endpoint inspection, and data transit encryption with a suite of authentication, authorization, and auditing (AAA) access controls.
Application security	Get comprehensive application protection with integrated bot management, web application firewall functionality and API security to prevent security breaches, data loss, and unauthorized modifications to websites, applications or information.

Optimize application delivery

Citrix ADC provides the tools you need to optimize application delivery, improving the user experience, reducing transaction times and bandwidth consumption, and enhancing server performance.

Caching	Accelerate application response with Citrix ADC's integrated caching functionality, saving on cloud and infrastructure costs.
Compression	Use Citrix ADC to compress HTTP responses, lowering backend server workload, decreasing bandwidth usage, and shortening download times.
Front-end optimization	Reduce required client requests, accelerate responses, and improve load and render times of application responses with Citrix ADC front-end optimization.
Image optimization	Intelligently optimize image quality to improve download and render times for mobile devices requesting high-resolution content.
TCP optimization	Utilize Citrix ADC's advanced TCP tuning and optimization capabilities to improve user experience and perceived download speeds, especially across mobile networks.
Support for HTTP/2	Enhance and support HTTP/2 protocol for more efficiency, reducing the number of requests required to retrieve content to significantly improve the user experience.

Gain actionable insights with holistic visibility

See all traffic to and from applications with [Citrix Application Delivery Management \(ADM\)](#), a single console for centralized management and analytics that delivers actionable insights and proactive troubleshooting through one pane of glass.

Application health and performance	Get an overall view of usage, health, and performance of your applications and application delivery infrastructure along with real-time client and network latency metrics, historical reports, and end-to-end performance data to easily troubleshoot performance issues.
Security analytics	Determine vulnerabilities and security status at a glance with dashboards to quickly identify attacks against your applications and their points of origin.
Machine learning	Stay ahead of attacks with automated alerts that detect attacks by comparing behavior deviations to established baselines.

Ensure application availability and performance

Build a better user experience with functionalities to ensure application availability, scalability and performance.

Load balancing	Scale applications horizontally and direct incoming traffic with intelligent load balancing.
Health monitoring	Monitor the status of resources and services with built-in intelligent health monitors for common protocols or create custom monitors for specific applications.
Global Server Load Balancing (GSLB)	Ensure user and customer requests are received by the closest available site to improve the user experience with Citrix ADC Global Server Load Balancing.



Citrix ADC form factors

Virtual platforms	VPX	Get powerful web and application delivery features like load balancing, secure remote access, and application acceleration and security in a simple, easy-to-install virtual appliance.
	CPX	Benefit from easy deployment and management of Citrix ADC through a variety of popular container management systems.
	BLX	Extend powerful application delivery features to bare metal by running Citrix ADC as a Linux process without a hypervisor or container overhead on the hardware of your choice.
	Public cloud	Easily deploy Citrix ADC across private and public cloud environments with support for AWS, Microsoft Azure, IBM, and Google Cloud Platform.
Physical platforms	MPX	Get powerful hardware-based application delivery and security with industry-leading performance and SSL offload.
	SDX	Benefit from multi-tenant support for up to 115 fully isolated instances on a single appliance.
	FIPS	Deliver specific physical and virtual platforms with FIPS 140-2 compliance and certification to meet the strictest compliance mandates of high security businesses and organizations.

Optimizing application delivery, security and performance with Citrix ADC.



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