



Citrix Access Gateway

Citrix Access Gateway™ is a family of universal SSL VPN products offering all organizations the benefits of secure remote access — without the disadvantages of traditional approaches.

Citrix Access Gateway is deployed as a hardened appliance at the perimeter of an organization's network to provide users with controlled access to all applications and resources that they need to be productive.

Remote users connect via an easy-to-use Web client to enjoy a rich, desk-like experience. Access Gateway seamlessly reconnects them to their documents and applications when they change locations or devices, or lose connectivity.

Administrators are equipped with an innovative set of features to help enforce security without compromising the user experience. Integrated end-point scanning ensures user devices remain safe to connect to the protected network, while scenario-based policies dynamically determine the proper level of access. With patent-pending Action Rights control, administrators can enforce an unprecedented level of application security to protect vital intellectual property.

Citrix Access Gateway also serves as the perfect SSL VPN to use with Citrix Presentation Server™, extending secure remote access to hosted applications, increasing security, reducing cost of ownership and simplifying the IT environment.

Citrix Access Gateway is available in a comprehensive range of editions and appliances that meet the needs of any size organization, from small businesses to the most demanding global enterprises. This Features Overview provides a detailed description of available features and benefits by edition.

PROVIDING THE BEST ACCESS EXPERIENCE

FEATURE	DESCRIPTION	BENEFIT	S	A	E
Universal SSL VPN — supports all applications and protocols	The Secure Access client gives users access to any application by supporting all TCP and UDP protocols	Enables administrators to give users access to IT resources without the need for custom development, or the need to maintain both SSL and IPSec VPN infrastructures	•	•	•
Supports access from any location	Provides access to corporate resources from any location on the Internet, or from another protected network segment	Enables users to remain productive and get the job done from any location	•	•	•
Desk-like access	Users enjoy the same network experience and application access as if physically connected to the local network	Gives users a familiar level of access when working remotely, reducing training and help-desk calls	•	•	•
Always-on access	Automatically reconnects sessions after losing a connection or roaming between networks	Improves user experience when using problematic networks such as public wireless Internet, and improves user productivity when roaming between locations	•	•	•
Access Interface	Provides a robust landing page for users to easily access all their applications, files, email and other IT resources	Improves user productivity by providing an intuitive and powerful landing page to quickly access common information		•	•
Browser-only access	Allows users to access network file shares, Web email and internal Web sites from devices that are locked down and do not permit the downloading of any software	Increases user productivity by giving them access to corporate IT resources from any device — including kiosks and small form factor devices such as PDAs		•	
Portal integration	Allows administrators to configure any user interface, such as SharePoint™ or WebSphere, as the default home page for users or groups	Gives organizations the ability to securely and cost-effectively extend remote access by leveraging existing investments. Users benefit from a consistent experience regardless of where they access information.		•	•
Voice Over IP support	Provides access for common VoIP soft-phones	Reduces the telephony expenses of traveling or remote workers	•	•	•
High-availability configuration	Links appliances to create an active/passive pair, ensuring sessions remain active if the master fails	Ensures VPN service availability even in the case of an appliance failure, without requiring an investment in a third-party load-balancer			•
Optional Global Server Load Balancing (GSLB)	Routes client connections to the best VPN site based on availability, health, proximity, and responsiveness	Supports a disaster recovery and business continuity strategy ensuring uninterrupted user access			•
Traffic acceleration	Speeds access to applications and resources with SSL offload, Web compression and TCP optimization	Provides the optimal remote access experience for users over low-bandwidth or high-latency connections			•

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IMPROVING APPLICATION AND DATA SECURITY

FEATURE	DESCRIPTION	BENEFIT	S	A	E
Standards-based security	All data is secured using standards-based protocols, such as SSL and TLS	Information is kept private and protected	•	•	•
Integrated endpoint scanning	Clients are scanned against administrator-defined criteria to enforce proper configurations such as up-to-date security software and operating system versions	Ensures that devices are safe to connect to the network	•	•	•
Extensible endpoint analysis	Endpoint analysis capabilities can be extended using industry-standard development tools	Customers have access to a broad library of custom end-point scans built by partners to integrate with third-party products. Scans also can be built to meet the needs of custom environments.		•	
Quarantine Groups	Provides clients that fail end-point analysis scanning with limited access to remediation sites to install the most recent anti-virus pattern files, operating system patches, etc., prior to connecting to the protected resources	Remote users can easily update their devices to meet established policies		•	•
Scenario-based access control	By considering the identity of the user, the results of the endpoint analysis scans and the client's network location, the policy engine dynamically determines which resources should be accessed	Administrators can grant the required level of access with less risk		•	•
Action Rights control	Administrators define not only what data can be accessed, but also what actions the user can perform, such as print, save, launch and view. The level of access is automatically reconfigured as users roam to different devices, locations and connections.	Organizations may enjoy greater security over intellectual property while still giving users the flexibility to view, edit and save documents		•	
Browser cache cleanup	Removes objects and data stored on the local browser during the SSL VPN session	Prevents sensitive corporate information from remaining behind on remote devices			•
Disable/enable Split Tunneling	Controls whether a user's local network and Internet access is available while the Secure Access client is active. If a remote PC is connected directly to the Internet and VPN at the same time, attackers could potentially commandeer the PC and gain access to the corporate network.	Disabling Split Tunneling reduces the threat of malicious attacks	•	•	•
Enhanced Split Tunneling control	Split Tunneling can be disabled on clients to shut down direct Internet access but still permit access to resources on the client's local subnet	Reduces the risk of malware while still allowing users to access shared printers and other local resources			•
RADIUS and LDAP authentication	Authenticates users against LDAP or RADIUS servers	Organizations can leverage existing authentication directories, using open standard protocols	•	•	•

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IMPROVING APPLICATION AND DATA SECURITY (CONTINUED)

FEATURE	DESCRIPTION	BENEFIT	S	A	E
2-Factor authentication	Provides 2-factor user authentication via RSA SecurID and Secure Computing SafeWord	Strong authentication adds improved authentication security	•	•	•
Client certificate support	Certificates may be validated prior to granting access to protected resources in order to verify managed client devices	Increases the security assurances provided by only allowing validated corporate devices	•	•	•
Smart card authentication	Authenticates users with industry-standard smart cards	Provides strong and convenient user authentication with a single card that may serve other purposes — such as granting building access			•
Cascading authentication	Challenges and authenticates users against multiple authorities	Ensures security by implementing multiple layers of authentication			•
Security certifications	Access Gateway is certified by ICSA Testing Labs (v3.0). FIPS 140-2 Level 2 compliance is available for the model 9000 appliance with a FIPS hardware option.	Customers have independent verification of the security and capabilities of the product			•
Denial of Service prevention	Protects resources from common denial of service attacks such as SYN attacks and HTTP GET floods	Ensures maximum VPN service availability			•

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SIMPLIFYING ADMINISTRATION AND LOWERING COSTS

FEATURE	DESCRIPTION	BENEFIT	S	A	E
Auto-download and auto-updating VPN client	Automatically downloads the Citrix Secure Access VPN client when the user connects to Citrix Access Gateway. Additionally, users always receive the latest version of the client software when they connect.	Alleviates the burden of installing, maintaining and supporting software on the client device. Allows organizations to easily and cost-effectively extend remote and mobile access to more users.	•	•	•
Non-administrator VPN client	Provides network connectivity for clients when the user does not have administrator rights to the device. The client installer automatically falls back to non-administrator install mode when appropriate.	Reduces help-desk calls by minimizing the installation rights required to gain secure access to the protected network	•	•	
Roles-based administration	Creates and manages administrative users and groups that can each have unique management privileges	Defines security policies to ensure administrators only perform the minimal set of operations required by their role			•
Wizard-driven installation	Provides an intuitive series of click-through screens and simple instructions to guide administrators through installation and configuration	Reduces impact on IT staff by minimizing the time required to install the product		•	•
Centralized administration	A management console can be deployed to configure and manage Access Gateway appliances	Maximizes efficiency of the IT organization	•	•	•
User auditing	Monitors and logs all operations performed by end users	Provides full visibility into all operations to ensure services and data remain secure	•	•	•
Administrative auditing	Monitors all configuration changes made by administrators	Ensures administrator accountability by logging all management operations			•
SNMP support	Access Gateway uses SNMP to report health and performance metric data	Integrates with existing network management and monitoring systems	•	•	•
Syslog servers	Access Gateway supports logging to remote syslog servers	Centralizes all logs to a single location for easier administration	•	•	•
Multiple authentication points	Access Gateway appliances may be used to simultaneously authenticate users from different authority servers	Organizations faced with frequent mergers and acquisitions can quickly grant new employees access on the existing infrastructure without merging account databases or deploying new points of access	•	•	•
Multiple virtual VPN servers	A single appliance can emulate multiple SSL VPNs by hosting one or more virtual servers, each with a unique IP, FQDN and certificate	Reduces the total cost of ownership by consolidating hardware and points of management. Can be used by service providers to support multiple clients on a single appliance.			•
Server-initiated connections	Clients can be configured with unique addresses to enable network connections originating from the protected network	Supports a broad range of applications including active FTP, instant messaging and systems management software			•
VLAN support	Supports 802.1q packet tagging to route packets to the correct VLAN segment	Allows administrators to quickly deploy the SSL VPN to work in networks with existing VLAN topologies			•




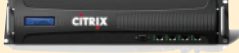
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ENHANCING CITRIX PRESENTATION SERVER

FEATURE	DESCRIPTION	BENEFIT	S	A	E
Integrated Secure Gateway	Includes the Secure Gateway for Citrix® Presentation Server capability, allowing Citrix® ICA® clients to connect to the VPN without a Secure Access (VPN) client	By replacing their software-based Secure Gateway with a hardened appliance, Citrix Presentation Server customers can: <ul style="list-style-type: none"> • Reduce their cost of ownership by 45% • Minimize patch management • Strengthen application and data security • Simplify the environment • Consolidate existing VPN solutions • Provide users with a single point of access 	•	•	
Advanced client security	Using Action Rights control with Citrix Presentation Server 4.0 or higher, administrators can ensure that sensitive documents are never transmitted directly to the client machine, but are virtualized from within the corporate data center for access from the client device	Ensures that company information is not inadvertently left on any client device, and that it never leaves the confines of the internal network		•	
Web Interface single sign-on	Allows users to authenticate once to Access Gateway and securely proxy credentials to Web Interface	Increases user productivity by providing a single point of authentication	•	•	
Citrix SmoothRoaming™ of Presentation Server sessions	Allows users to reconnect to existing Presentation Server sessions when they authenticate to Access Gateway	Improves the user experience when moving from device to device	•	•	
Extended access control on Presentation Server applications	Endpoint analysis and awareness of client's location may be used to control which published applications are available to the user. Administrators may implement controls to hide certain published applications when the user is remote versus internal, or may forbid access to an application when virus and malware detection is not running on the client.	Ensures that information and application access meets security and regulatory concerns		•	
Virtual Channel control for Presentation Server 4.0 and higher	Administrators may define policies that shut down local client drive mapping, clipboard operations, and local printer mapping during certain access scenarios — such as when a user is determined to be remote.	Provides administrators with powerful means to ensure intellectual property remains on the organization's server when appropriate		•	

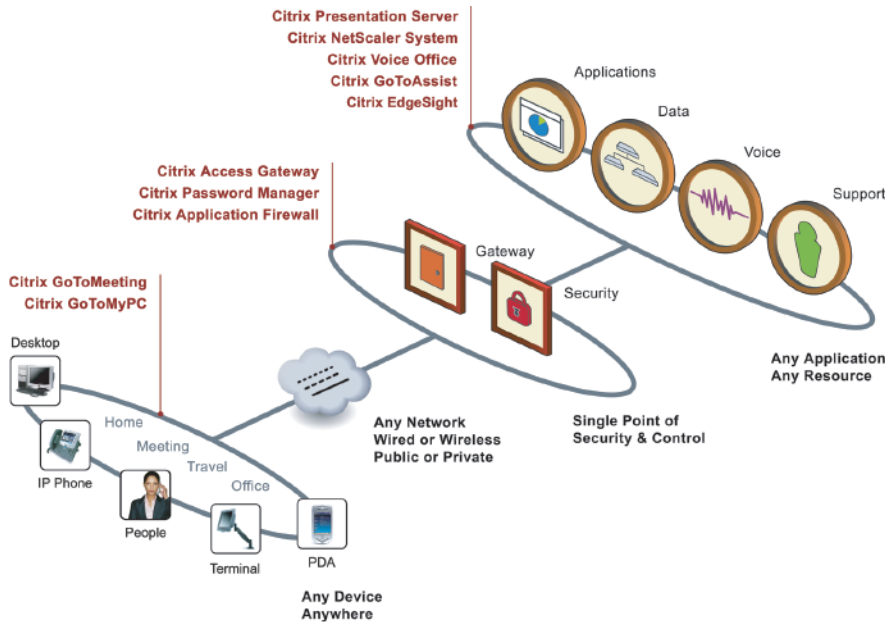
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PLATFORM SPECIFICATIONS

ACCESS GATEWAY MODEL	2000	7000	9000	9000 FIPS OPTION
				
Chassis Dimensions: Weight:	1.7" H x 16.8" W x 14.1" D (1U) 4.3cm H x 42.6cm W x 35.8cm D 23 Lbs (10.4 kg)	1.75" H x 17.25" W x 18.75" D (1U) 4.4cm H x 43.8cm W x 47.6cm D 28 Lbs (12.17 kg)	3.5" H x 17" W x 16" D (2U) 8.9cm H x 43.2cm W x 40.6cm D 34 Lbs (15.4 kg)	3.5" H x 17" W x 16" D (2U) 8.9cm H x 43.2cm W x 40.6cm D 34 Lbs (15.4 kg)
Power Supply	Thermal control 260W AC power supply AC Voltage: 100-240V, 60-50Hz, 5-3 Amp	90-264VAC Full Range 47-63 Hz, 250W	90-264VAC Full Range 47-63 Hz, 335W	90-264VAC Full Range 47-63 Hz, 335W
Maximum Sessions	1000 concurrent (VPN connections) OR 2000 concurrent (Presentation Server connections)	2500 concurrent	5000 concurrent	5000 concurrent
Interface Ports	2x10/100/1000 BASE-T	6 x10/100 BASE-T 2 x10/100/1000 BASE-T	4x10/100/1000 BASE-T + 1x10/100/1000 BASE-T or 4x1000 BASE-T-SX Fiber ports + 1x10/100/1000 BASE-T	4x10/100/1000 BASE-T + 1x10/100/1000 BASE-T or 4x1000 BASE-T-SX Fiber ports + 1x10/100/1000 BASE-T
Edition Availability	Standard Edition Advanced Edition	Enterprise Edition	Enterprise Edition	Enterprise Edition
Warranty	1 year hardware; 1 year software maintenance; extended support plans available	1 year hardware; 90 days software maintenance; extended support plans available	1 year hardware; 90 days software maintenance; extended support plans available	1 year hardware; 90 days software maintenance; extended support plans available

Citrix Product Lines

Citrix products are purpose-built to solve particular access challenges as standalone solutions. When multiple products are leveraged together, they lay the foundation of a secure, flexible, and extensible access platform.



Citrix Access Gateway™ — The most cost effective and easiest to use SSL VPN, providing a secure single point of access to all applications and IT resources and delivering advanced policy based information control.

Citrix Application Firewall™ — Comprehensive, proven defense against attacks and misuse of Web Infrastructure and mission-critical information.

Citrix Application Gateway™ — The most secure, simple, and adaptable way to deliver converged voice and data applications to the screens and speakers of IP telephones.

Citrix EdgeSight™ — A leading end-user application performance management solution, monitors the performance of client-server, Web and desktop applications from an end-user perspective.

Citrix® GoToAssist™ — An industry-leading, remote technical-support solution that enables organizations to provide best-in-class support and services over the Internet, on demand and securely.

Citrix® GoToMeeting™ — The easiest, most secure, most cost-effective, and fastest way to meet, train, and collaborate online.

Citrix® GoToMyPC® — The simplest way to provide secure, encrypted remote access to desktop-based resources.

Citrix® NetScaler® System — The most advanced way to optimize the delivery of business resources through an integrated networking solution that manages, secures and speeds application traffic.

Citrix Password Manager™ — The most secure, efficient, and easiest-to-deploy enterprise single sign-on solution for easy access to all applications with a single logon.

Citrix Presentation Server™ — The industry-standard way to virtualize the delivery of business resources through a centralized and secure architecture.



Best Access Experience. Anytime. Anywhere.

About Citrix: Citrix Systems, Inc. (Nasdaq:CTXS) is the global leader and the most trusted name in application delivery infrastructure. More than 180,000 organizations worldwide rely on Citrix to deliver any application to users anywhere with the best performance, highest security and lowest cost. Citrix customers include 100% of the *Fortune* 100 companies and 98% of the *Fortune* Global 500, as well as hundreds of thousands of small businesses and prosumers. Citrix has approximately 6,200 channel and alliance partners in more than 100 countries. Annual revenue in 2005 was \$909M.

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Strike a Balance

Today, you don't have to choose between dangerous, unrestricted access to information on the one hand, or one-size-fits-all security that impedes business on the other. The simplest, most cost effective way to balance productivity and security, from the most trusted name in secure access. Give us a call. We'd like to help you find a better answer.

Visit us at

www.citrix.com/accessgateway and find out more.

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