

Citrix NetScaler

Make web applications run five times better



Citrix® NetScaler® is a web application delivery solution that makes applications five times better by accelerating performance, ensuring that applications are always available and protected, and substantially lowering costs. NetScaler products are easily selected by determining the edition providing functional needs and the appropriate physical or virtual appliance platform to fulfill performance needs.

Feature	Platinum Edition	Enterprise Edition	Standard Edition
Application availability			
L4 load balancing	•	•	•
L7 content switching	•	•	•
Database load balancing	•	•	•
AppExpert rate controls	•	•	•
IPv6 support	•	•	•
Global server load balancing (GSLB)	•	•	•
Dynamic routing protocols	•	•	
Surge protection	•	•	
Priority queuing	•	•	
Application acceleration			
Client and server TCP optimizations	•	•	•
Citrix® AppCompress™ for HTTP	•	•	•
Citrix® AppCache™	•	•	
Citrix® Branch Repeater™ client	•		
Application security			
L4 DoS defenses	•	•	•
L7 content filtering	•	•	•
HTTP/ URL rewrite	•	•	•
Citrix Access Gateway™, EE SSL VPN	•	•	•
L7 DoS defenses	•	•	
AAA for traffic management	•	•	
Citrix Application Firewall™ with XML security	•	•	
Simple manageability			
AppFlow™	•	•	•
AppExpert visual policy builder	•	•	•
AppExpert service callouts	•	•	•
AppExpert templates	•	•	•
AppExpert Visualizers	•	•	•
Role-based administration	•	•	•
AAA for administration	•	•	•
Configuration wizards	•	•	•
Native Citrix Web Interface	•	•	•
Citrix® Command Center	•	•	
Citrix® EdgeSight® for NetScaler	•	•	
Web 2.0 Optimization			
Rich Internet application support	•	•	•
XML XPath support	•	•	•
Advanced server offload	•	•	
Lower TCO			
TCP buffering	•	•	•
TCP and SQL multiplexing	•	•	•
SSL offload and acceleration	•	•	•
Cache redirection including multi-layer support	•	•	

• = Standard • = Option

Note: Separately purchasable options not available for NetScaler VPX virtual appliance

NetScaler platform		MPX 21500 / SDX ¹ 21500	MPX 19500 / SDX ¹ 19500	MPX 17500 / SDX ¹ 17500
Platform attributes				
Processor	Dual Intel Xeon X5680 (12 cores total)	Dual Intel Xeon X5680 (12 cores total)	Dual Intel Xeon X5680 (12 cores total)	Dual Intel Xeon X5680 (12 cores total)
Memory	48 GB	48 GB	48 GB	48 GB
Ethernet ports	8x 10GBASE-X SFP+	8x 10GBASE-X SFP+	8x 10GBASE-X SFP+	8x 10GBASE-X SFP+
Transceivers support	10GE SFP+: SR, LR	10GE SFP+: SR, LR;	10GE SFP+: SR, LR	10GE SFP+: SR, LR
Pay as you grow software upgrade		Upgrade option to MPX 21500	Upgrade option to MPX 19500 and MPX 21500	
Platform performance				
System throughput, Gbps	50	35	20	
HTTP requests/sec (MPX/SDX)	4,400,000 / 2,200,000	4,000,000 / 2,000,000	3,000,000 / 1,500,000	
SSL transactions/sec	220,000	165,000	110,000	
SSL throughput, Gbps	11	10	8	
Compression throughput, Gbps	11	9	7	
SSL VPN: concurrent users	10,000	10,000	10,000	
Maximum number of Instances (for SDX models)	16	16	16	
Platform mechanical, environmental and regulatory				
Power supplies	Dual	Dual	Dual	
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	
Optional DC power supply	No	No	No	
Power consumption	650w 2219 BTU/Hr	650w 2219 BTU/Hr	650w 2219 BTU/Hr	
Weight, lbs	40	40	40	
Height	2U	2U	2U	
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	
Depth	25.4" / 64.5 cm	25.4" / 64.5 cm	25.4" / 64.5 cm	
Operating temperature	0-40C	0-40C	0-40C	
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	
Safety certifications	UL, TUV-C	UL, TUV-C	UL, TUV-C	
Electromagnetic emissions certifications and susceptibility standards	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	
Compliance	RoHS	RoHS	RoHS	

NetScaler platform	MPX 18500	MPX 16500	MPX 15500	MPX 15500 FIPS
Platform attributes				
Processor	Dual Intel Xeon E5645 (12 cores total)	Dual Intel Xeon E5645 (12 cores total)	Dual Intel Xeon E5440 (8 cores total)	Dual Intel Xeon E5440 (8 cores total)
Memory	48 GB	48 GB	16 GB	16 GB
Ethernet ports	4x10GBASE-X SFP+ AND 8x1000BASE-X SFP (fiber or copper)	4x10GBASE-X SFP+ AND 8x1000BASE-X SFP (fiber or copper)	8x 10/100/1000 BASE-T AND 8x 1000BASE-X SFP (fiber or copper) OR 2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)
Transceivers support	10GE SFP+: SR, LR 1 GE SFP: SX, LX	10GE SFP+: SR, LR 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX
Software upgradable performance		Upgrade option to MPX 18500		
Platform performance				
System throughput, Gbps	30	20	15	15
HTTP requests/sec	2,500,000	2,000,000	1,200,000	1,200,000
SSL transactions/sec	165,000	130,000	87,000	15,000
SSL throughput, Gbps	10	9	6.5	4.5
Compression throughput, Gbps	6.5	5	6.5	6.5
SSL VPN: concurrent users	10,000	10,000	10,000	10,000
Platform mechanical, environmental and regulatory				
Power supplies	Dual	Dual	Dual	Dual
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Power consumption	650W 2219 BTU/Hr	650W 2219 BTU/Hr	450w 1536 BTU/Hr	450w 1536 BTU/Hr
Weight, lbs	45	45	30	30
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28" / 71 cm	28" / 71 cm	28" / 71 cm	28" / 71 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	UL, TUV-C	UL, TUV-C	UL, TUV-C	UL, TUV-C
Electromagnetic emissions certifications and susceptibility standards	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Compliance	RoHS	RoHS	RoHS	RoHS; FIPS 140-2, Level 2

NetScaler platform	MPX 14500	MPX 13500	MPX 12500	MPX 12500 FIPS
Platform attributes				
Processor	Dual Intel Xeon E5645 (12 cores total)	Dual Intel Xeon E5645 (12 cores total)	Dual Intel Xeon E5440 (8 cores total)	Dual Intel Xeon E5440 (8 cores total)
Memory	48 GB	48 GB	16 GB	16 GB
Ethernet ports	4x10GBASE-X SFP+ AND 8x1000BASE-X SFP (fiber or copper)	4x10GBASE-X SFP+ AND 8x1000BASE-X SFP (fiber or copper)	8x 10/100/1000 BASE-T AND 8x 1000BASE-X SFP (fiber or copper) OR 2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)
Transceivers support	10GE SFP+: SR, LR 1 GE SFP: SX, LX	10GE SFP+: SR, LR 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX
Software upgradable performance	Upgrade options to MPX 16500 and MPX 18500	Upgrade options to MPX 14500, MPX 16500 and MPX 18500	Upgrade option to MPX 15500	Upgrade option to FIPS version of MPX 15500
Platform performance				
System throughput, Gbps	16	12	10	10
HTTP requests/sec	1,600,000	1,400,000	700,000	700,000
SSL transactions/sec	100,000	70,000	60,000	13,000
SSL throughput, Gbps	7	6	6	3.6
Compression throughput, Gbps	4	3	6	6
SSL VPN: concurrent users	10,000	10,000	10,000	10,000
Platform mechanical, environmental and regulatory				
Power supplies	Dual	Dual	Dual	Dual
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Power consumption	650W 2219 BTU/Hr	650W 2219 BTU/Hr	450w 1536 BTU/Hr	450w 1536 BTU/Hr
Weight, lbs	45	45	30	30
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28" / 71 cm	28" / 71 cm	28" / 71 cm	28" / 71 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	UL, TUV-C	UL, TUV-C	UL, TUV-C	UL, TUV-C
Electromagnetic emissions certifications and susceptibility standards	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Compliance	RoHS	RoHS; FIPS 140-2, Level 2	RoHS	RoHS; FIPS 140-2, Level 2

NetScaler platform	MPX 11500	MPX 10500	MPX 10500 FIPS	MPX 9700 FIPS
Platform attributes				
Processor	Dual Intel Xeon E5645 (12 cores total)	Dual Intel Xeon E5440 (8 cores total)	Dual Intel Xeon E5440 (8 cores total)	Dual Intel Xeon E5440 (8 cores total)
Memory	48 GB	16 GB	16 GB	16 GB
Ethernet ports	4x10GBASE-X SFP+ AND 8x1000BASE-X SFP (fiber or copper)	8x 10/100/1000 BASE-T AND 8x 1000BASE-X SFP (fiber or copper) OR 2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)	2x 10GBASE-X SFP+ AND 8x 1000BASE-X SFP (fiber or copper)
Transceivers support	10GE SFP+: SR, LR 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX	10GE SFP+: SR, LR; 1 GE SFP: SX, LX
Software upgradable performance	Upgrade options to MPX 13500, MPX 14500, MPX 16500, and MPX 18500	Upgrade option to MPX 12500 and MPX 15500	Upgrade option to FIPS versions of MPX 12500 and MPX 15500	Upgrade option to FIPS versions of MPX 10500, MPX 12500 and MPX 15500
Platform performance				
System throughput, Gbps	8	6	6	3
HTTP requests/sec	800,000	500,000	500,000	200,000
SSL transactions/sec	40,000	30,000	10,000	5,000
SSL throughput, Gbps	5	5	2.0	1.0
Compression throughput, Gbps	2	5	5	2
SSL VPN: concurrent users	10,000	10,000	10,000	10,000
Platform mechanical, environmental and regulatory				
Power supplies	Dual	Dual	Dual	Dual
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz
Optional DC power supply	Yes	Yes	Yes	Yes
Power consumption	650W 2219 BTU/Hr	450w 1536 BTU/Hr	450w 1536 BTU/Hr	450w 1536 BTU/Hr
Weight, lbs	45	30	30	30
Height	2U	2U	2U	2U
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets
Depth	28" / 71 cm	28" / 71 cm	28" / 71 cm	28" / 71 cm
Operating temperature	0-40C	0-40C	0-40C	0-40C
Allowed relative humidity	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing	5%-95%, non-condensing
Safety certifications	UL, TUV-C	UL, TUV-C	UL, TUV-C	UL, TUV-C
Electromagnetic emissions certifications and susceptibility standards	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES
Compliance	RoHS; FIPS 140-2, Level 2	RoHS	RoHS; FIPS 140-2, Level 2	RoHS; FIPS 140-2, Level 2

NetScaler platform	MPX 9500	MPX 7500	MPX 5500	VPX 10/200/1000/3000
Platform attributes				
Processor	Intel Xeon L5410 (4 cores total)	Intel Xeon L5410 (4 cores total)	Intel Xeon E5205 (2 cores total)	Minimum Server Req.: ² Dual core server with Intel® VTx or AMD-V™ • Citrix® XenServer® 5 (update 3 or better) • Windows Server 2008 R2 with Hyper-V role • VMWare ESX/ESXi 3.5 or higher • 4G RAM/20 GB hard drive • Hypervisor supported NIC
Memory	8 GB	8 GB	4 GB	
Ethernet ports	8x 10/100/1000 BASE-T OR 4x 10/100/1000 BASE-T AND 4x 1000BASE-X SFP (fiber or copper)	8x 10/100/1000 BASE-T OR 4x 10/100/1000 BASE-T AND 4x 1000BASE-X SFP (fiber or copper)	4x 10/100/1000 BASE-T	
Transceivers support	SX, LX	SX, LX		
Software upgradable performance		Upgrade option to MPX 9500		Upgrade options to VPX 200, VPX 1000 and VPX 3000
Platform performance				
System throughput, Gbps	3	1	0.5	Up to 3.0 ³
HTTP requests/sec	200,000	100,000	50,000	Up to 100,000
SSL transactions/sec	20,000	10,000	5,000	Up to 500
SSL throughput, Gbps	3	1	0.5	Up to 1.0
Compression throughput, Gbps	2	1	0.5	Up to 0.75
SSL VPN: concurrent users	10,000	10,000	5,000	Up to 300 ⁴
Platform mechanical, environmental and regulatory				
Power supplies	Single plus optional second supply	Single plus optional second supply	Single only	Dependent on server platform chosen
Input voltage and frequency ranges	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	100-240VAC full range, 47-63 Hz	
Optional DC power supply	Yes	Yes	No	
Power consumption	450w 1536 BTU/Hr	450w 1536 BTU/Hr	300w 1110 BTU/Hr	
Weight, lbs	21	21	19	
Height	1U	1U	1U	
Width	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	EIA 310-D, IEC 60297, DIN 41494 SC48D rack width with mounting brackets	
Depth	21.75" / 55.2 cm	21.75" / 55.2 cm	21.75" / 55.2 cm	
Operating temperature	0-40C	0-40C	0-40C	
Allowed relative humidity	10%-90%, non-condensing	10%-90%, non-condensing	10%-90%, non-condensing	
Safety certifications	UL, TUV-C	UL, TUV-C	UL, TUV-C	
Electromagnetic emissions certifications and susceptibility standards	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	FCC (Part 15 Class A), DoC, CE, VCCI, CNS, AN/NES	
Compliance	RoHS	RoHS	RoHS	

Technical aspects

L4-7 traffic management

Layer 4 load balancing (LB)

- Protocols supported: TCP, UDP, FTP, HTTP, HTTPS, DNS (TCP and UDP), SIP (over UDP), RTSP, RADIUS, SQL, RDP
- Algorithms: Round Robin, Least Packets, Least Bandwidth, Least Connections, Response Time, Hashing (URL, Domain, Source IP, Destination IP, and CustomID), SNMP-provided metric, Server Application State Protocol (SASP)
- Session persistence: Source IP, cookie, server, group, SSL session, SIP CALLID, Token-based, JSESSIONID
- Session protocols: TCP, UDP, SSL_TCP
- Server monitoring: Ping, TCP, URL, ECV, scriptable health checks, Dynamic Server Response Time
- Link load balancing
- Citrix Branch Repeater load balancing

Layer 7 content switching

- Policies: URL, URL Query, URL Wildcard, Domain, Source/Destination IP, HTTP Header, Custom, HTTP and TCP Payload Values, UDP

Database load balancing

- Support for: Microsoft SQL Server and MySQL
- Switching algorithms include SQL query parameters such as user and database names and command parameters

Rate-based policy enforcement

- Trigger NetScaler policies based upon connections per second, packets per second, or bandwidth used
- Source or destination-based upon header or payload information

Global server load balancing (GSLB)

- Algorithms: site health, geographic proximity, network proximity, connections, bandwidth, AG-E SSL VPN users

- Site health checking on status, connection load, packet rate, SNMP-provided metrics

Content rewriting and response control

- Policy-based bidirectional rewriting of HTTP header and payload elements
- Policy-based redirection of incoming requests
- Body URL rewrite
- Responder module
- Custom responses and redirects
- Policy-based routing
- Network aware policies

Application acceleration

TCP optimization

- Multiplexing, Buffering, Connection Keep-alive, Windows Scaling, Selective Acknowledgement, Fast Ramp

AppCompress

- Gzip-based compression for HTTP traffic AppCache⁵
- Caching for static and dynamic application content
- HTTP GET and POST method support
- Policies defined based upon HTTP header and body values

Application security

DoS attack defense

- Continue service to legitimate users while protecting against attacks such as: SYN Flood, HTTP DoS, and Ping of Death
- ICMP and UDP rate control

Surge protection and priority queuing⁵

- Adaptive rate control for TCP connections and HTTP requests
- Prioritized transaction dispatch for critical application requests

DNSSEC

- DNS proxy
- Authoritative DNS
- DNS signing

Packet filtering

- Layer 3 and 4 Access Control Lists (ACL)
- Network Address Translation (NAT)
- IPv4/IPv6 Network Address Translation (NAT)

NetScaler Application Firewall with hybrid security model ⁵

- Positive security model protects against: Buffer Overflow, CGI-BIN Parameter Manipulation, Form/Hidden Field Manipulation, Forceful Browsing, Cookie or Session Poisoning, Broken ACLs, Cross-Site Scripting (XSS), Command Injection, SQL Injection, Error Triggering Sensitive Information Leak, Insecure Use of Cryptography, Server Misconfiguration, Back Doors and Debug Options, Rate-based Policy Enforcement, Well-known Platform Vulnerabilities, Zero-day Exploits, Cross Site Request Forgery (CSRF), credit card and other sensitive data leakage prevention

- Negative security model with signatures to protect against L7 and HTTP application vulnerabilities.
- Integrates with third party scanning tools
- XML security: XML Denial of Service (xDoS)
- XML SQL injection and cross site scripting, XML message validation, format checks, WS-I basic profile compliance, XML, XPath injection attachment check, XQuery Injection protection
- WSDL scan prevention
- Attachment checks
- URL transformation
- Cookie proxying and encryption
- SOAP array attack protection

Secure access

- Integrated Citrix Access Gateway Enterprise Edition SSL VPN
- Endpoint analysis
- Two-factor and client certificate authentication
- Client-side cache cleanup
- Security certifications
- Layer 7 content filtering
- AAA traffic management
- Active Directory, LDAP, RADIUS, TACACS+, OSCP

Network integration

- Static routes, monitored static routes, weighted static routes
- OSPF, RIP1/2, BGP⁵
- VLAN 802.1Q
- Link Aggregation 802.3ad
- IPv6/IPv4 gateway

High availability

- Active/Passive
- Active/Active
- VRRP
- ECMP
- Connection Mirroring

Technical aspects

Simplified installation and management

User interface

- Graphical application visualizer
- Secure web-based GUI
- CLI, Telnet, SSH, Console
- Real-time performance dashboard
- LB, GSLB Application Firewall and EdgeSight for NetScaler configuration wizards
- Citrix® XenApp™ configuration wizards

Policy management

- AppExpert Visual Policy Builder
- Policy extensibility via HTTP service callouts
- AppExpert templates
- AppExpert Visualizers

Citrix Command Center⁵

- Centralized configuration and management of over 200 NetScaler appliances.

NetScaler AppFlow:

- Real-time, end-to-end visibility of application flows
- Standards-based NetFlow/IPFIX (Internet Protocol Flow Information Export) solution
- Supported by leading performance monitoring and management vendors
- Provides transaction level visibility for HTTP, SSL, TCP, and SSL/TCP flows

EdgeSight for NetScaler⁵

- Real-time and historical user experience monitoring
- Trending and reporting for web application performance service level management

Third party management support

- SNMPv1, SNMPv2 and SNMPv3: NetScaler MIB and MIB-II support
- Microsoft System Center Operations Management (SCOM) support
- Microsoft System Center Virtual Machine Manager (SCVMM) support
- XML/SOAP API for automated application-driven configuration

Real-time consolidated logging

- Offloads logging from application server to central location

Native Web Interface

- Integrated Web Interface Server for Citrix XenApp and XenDesktop
- Supports JAVA environments with MPX and VPX platforms running NetScaler nCore OS
- Authentication methods include: LDAP, RADIUS, NTLM, TACACS+, Client Certificate
- Manage HTTPS requests via included SSL VPN
- Wizards-based configuration through NetScaler GUI
- Includes Smart Access, smooth roaming, STA server redundancy, and session reliability

Lower total cost of ownership

Web cache redirection⁵

- Automatically direct requests with content not cached on NetScaler to cache farm
- N-tier multilayer load balancing support of cache servers

Notes:

1. SDX models ship with a Platinum Edition license and include 5 NetScaler instances. Additional NetScaler packs with 5 instances each are available. All instances may be configured for any NetScaler Edition.
2. Listed hardware requirements are for NetScaler VPX nCore version. NetScaler VPX classic builds are available with a smaller server footprint and a reduced feature set.
3. Maximum HTTP throughput for VPX running on XenServer and Hyper-V is less than 3Gbps
4. Using 3DES algorithm. Up to 1,000 concurrent users using RC4 algorithm
5. Available in NetScaler Enterprise and Platinum Editions only



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About Citrix

Citrix Systems, Inc. (NASDAQ:CTXS) is a leading provider of virtual computing solutions that help companies deliver IT as an on-demand service. Founded in 1989, Citrix combines virtualization, networking, and cloud computing technologies into a full portfolio of products that enable virtual workstyles for users and virtual datacenters for IT. More than 230,000 organizations worldwide rely on Citrix to help them build simpler and more cost-effective IT environments. Citrix partners with over 10,000 companies in more than 100 countries. Annual revenue in 2010 was \$1.87 billion.

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