

Zeus 7 Licensing – End User licenses

Overview – Traffic Manager and Load Balancer licenses

License type	Purpose	Performance	Maintenance	Duration	Cost
Development license	Non-production	1 Mbit throughput	Optional (cost)	1 year	No cost
Evaluation license	Evaluation, Pre-production	Unlimited	Evaluators (no cost)	15-30 days	No cost
Production license	Production	As licensed	Standard or Premium	Perpetual or subscription	Per device

Licensed features

	Zeus Load Balancer	Zeus Traffic Manager
Management		
Management interfaces	Web-based GUI, SOAP API, CLI	
Cluster size	Fault tolerant pair	Up to 64 fault tolerant units
Load Balancing		
Layer-7 Load Balancing	Yes	Yes
HTTP optimizations	Yes	Yes
Content compression	Yes	Yes
SSL offload	Yes	Yes
Web Content Caching	Option	Yes
Traffic Management		
Traffic Management Rules	RuleBuilder	RuleBuilder, TrafficScript, Java
Rate Shaping	No	Transactions per second
Real Time Analytics	No	Option
Bandwidth Management	No	Option
Service Level Monitoring	No	Option
Application Auto-Scaling	No	Option
Application Firewalling	No	Option
Licensed performance	Outbound bandwidth as licensed; no other restrictions	

Development Licenses for non-production purposes

Functional capabilities	Zeus Traffic Manager (full)
Licensed performance	1 Mbit throughput
Deployment	May be deployed on multiple servers for non-production use
Validity	1 year
Support	Unsupported (support contract may be purchased at cost)
Cost	No cost

Zeus Traffic Manager may be used for any non-production purpose at no cost. 'Non-production use' includes development, temporary testing, demonstration and internal education purposes, and excludes use that is business critical, permanent, for commercial gain or which accepts live traffic.

Evaluation licenses

Functional capabilities	Zeus Load Balancer (full) or Zeus Traffic Manager (full)
Performance Capabilities	Unrestricted
Deployment	On multiple servers for pre-production evaluation
Validity	15-30 days
Support	Software updates and basic technical support at no cost
Cost	No cost

Evaluation Licenses may be used to process production traffic during the limited evaluation period.

Production Licenses

Functional capabilities	As licensed
Licensed performance	Ranges from 10 MBits to 'unrestricted performance'
Deployment	On single system; bound to IP or MAC address
Validity	Perpetual or subscription
Support & Maintenance	Software updates and technical support
Cost	Perpetual license fee with annual support fee <i>or</i> periodic subscription

Production licenses may be used for any purposes, on a single system only. A license may be transferred from one system to another at no cost.

All licenses are subject to the Zeus End User License Agreement.

FAQs

Where may I obtain licenses from?

Development and Evaluation license keys and related software downloads may be obtained from <http://www.zeus.com/downloads>.

Production License Keys may be obtained from your Zeus partner. Please visit <http://www.zeus.com/partners/channel-partners> or contact sales@zeus.com for more information.

What are perpetual and subscription licenses?

You can license Zeus software on either a perpetual or subscription basis:

- Perpetual licenses include a perpetual (non-expiring) license key for a one-off fee. Maintenance is not included with a perpetual license, and can be obtained by paying an annual maintenance fee
- Subscription licenses allow you to use the software for a period of time (the 'term') and oblige you to pay a periodic subscription fee (monthly, yearly etc) for that term. Subscription licenses include maintenance (support and updates). Once the term completes, you may stop using the software, continue to use it and pay the subscription fee, or convert the license to a perpetual license.

What are the performance bands for production licenses?

Production licenses include a performance rating which specifies the maximum capacity of the software. The performance rating applies to outgoing bandwidth; bands are:

	Bandwidth Capacity
Performance Band '1'	Up to 10 Mbits
Performance Band '2'	Up to 200 Mbits
Performance Band 'A'	Up to 1 Gbits
Performance Band 'B'	Up to 2 Gbits
Performance Band 'C'	Up to 5 Gbits
Performance Band 'D'	Unrestricted

Bands 1 and 2 are available on a subscription basis; bands A, B, C and D are available on subscription and perpetual terms.

Bandwidth Capacity is applied to outgoing traffic only, after content compression, and is applied per Zeus Traffic Manager / Zeus Load Balancer. If the capacity limit is reached, then outgoing traffic may be delayed momentarily. Connections are serviced in a fair manner. Connections will not be dropped unless outbound traffic greatly exceeds the bandwidth capacity for a sustained period of time, when no data can be transmitted before the client or server timeouts expire.

Note that the host hardware must be adequately specified in order to deliver the desired performance.

Timeouts – when are requests discarded?

Client software (web browsers) and server software (Zeus Traffic Manager) both impose timeouts for connections. If a connection is idle for longer than the timeout period, it is closed.

Under heavy, sustained load, responses are processed in a fair manner and data is written in partial chunks to each remote client. This means that connections are rarely idle for long periods of time when there is data waiting to be written, so connections are very unlikely to be closed down prematurely due to the bandwidth shaping.

How do I determine what performance band I require?

Zeus evaluation licenses do not contain a performance restriction, and may be used for short periods on production sites to gauge the performance requirements.

You can determine how much traffic an existing service is processing using the historical activity graphs, and current data from the activity charts and data available via SNMP.

The historical activity charts record bandwidth smoothed over 5 minute periods; you should add a margin of 50-100% to account for momentary traffic spikes.

When you run with a performance-based license, the Zeus software will log a warning and raise an alert to inform any time that it is necessary to limit the performance. Traffic is queued, so your end users will experience a momentary slowdown in your service. You can then upgrade to a higher-capacity license if necessary.

What does ‘Unlimited Performance’ mean?

‘Unlimited Performance’ means that the license key does not apply a performance rating, and the software can process traffic as rapidly as the host system allows.

Performance examples may be found at <http://www.zeus.com/resources/fact-sheets/zeus-traffic-manager-performance--quick-reference.html>

What is ‘Non-Production’ use?

Development licenses may only be used for non-production use:

- ‘Non-Production’ use includes development, temporary testing, internal training and proof-of-concept purposes.
- ‘Production’ use includes any purposes which could be regarded as ‘business-critical’; public internet and internal intranet services, services that take live traffic, permanent replicas of production sites, and any other services that are run on a commercial basis or for commercial gain.

In the event of ambiguity, the interpretation of ‘production’ and ‘non-production’ is at Zeus’ discretion.

What is 'Zeus Desktop Edition'?

The Zeus Desktop Edition is a packaged virtual machine containing the Zeus Traffic Manager and some sample websites. It is intended for training and demonstration purposes.

The Zeus Desktop Edition requires a license key (development licenses are most appropriate).

What happens when a license expires?

Perpetual licenses do not expire. Other licenses issued by Zeus will have an 'expiry date'.

Once the expiry date has passed, the software will not manage traffic. Zeus software raises warnings and alerts well in advance of expiry, and if a license with an expiry date is used in production, customers should configure the Zeus software to email these warnings to an appropriate account.

The zero-cost licenses that Zeus issues for non-production use can be renewed for subsequent years at no cost unless Zeus has terminated the relevant license program.

What does 'bound to IP address / MAC address' mean?

Production Licenses may be deployed on a single nominated host system only. To this end, they contain either an IP Address or a MAC Address that identifies the host system, and will only operate on a host with a matching address.

Technical workarounds to deploy the license simultaneously on two or more host systems are in breach of Zeus' End User License Agreement.

Upgrading or transferring licenses

Production licenses may be transferred between host machines, operating systems and platforms at no charge. Please request an 'IP Address Change' form from your Zeus support contact.

Production licenses may be upgraded to increase performance capacity or unlock additional features – license upgrades are seamless and do not require a software restart. Please contact your Zeus sales representative for details.

How is maintenance structured?

Zeus' maintenance is required for all production licenses in order to receive software updates and technical support:

Maintenance program	Email support	Telephone support	Priority response	24x7 support*	Named contacts
Evaluator	Yes	No	No	No	1
Standard	Yes	Critical q's	No	No	2
Premium	Yes	Yes	Yes	Yes (phone)	6
Enterprise	Yes	Yes	Yes	Yes (phone)	Unlimited

Normal support hours are 8am-12pm UK, Monday-Friday. *Premium and Enterprise support contract holders are entitled to 24x7 priority telephone support for critical incidents.

For more information, refer to <http://www.zeus.com/support>.

What about other Zeus software products?

Evaluation and production licenses can also be provided for the following Zeus software:

- **Zeus Multi-Site Manager** (with Global Load Balancing option); licensed based on the number of Zeus Traffic Manager units to be managed
- **Zeus Application Firewall Module**; licensed per Zeus Traffic Manager instance and performance band
- **Zeus Global Load Balancer** (standalone); licensed per instance
- **Zeus Web Server**; licensed per instance and CPU count

A number of service and cloud providers also offer Zeus software on an as-a-service basis – contact partners@zeus.com for more information.