



Comparison of web server software

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This article is a **comparison of web server software**.

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Overview [edit]

Server	Developed by	Software license	Last stable version	Latest release date
AOLserver	NaviSoft	Mozilla	4.5.2	2012-09-19
Apache HTTP Server	Apache Software Foundation	Apache	2.4.10	2014-07-21
Apache Tomcat	Apache Software Foundation	Apache	7.0.53	2014-03-30
Boa	Paul Phillips	GPL	0.94.13	2002-07-30
Caudium	The Caudium Group	GPL	1.4.18	2012-02-24
Cherokee HTTP Server	Álvaro López Ortega	GPL	1.2.103	2013-04-21
Hiawatha HTTP Server	Hugo Leisink	GPLv2	9.6	2014-06-01
HFS	Rejetto	GPL	2.2f	2009-02-17
IBM HTTP Server	IBM	Non-free proprietary	8.5.5	2013-06-14
Internet Information Services	Microsoft	Non-free proprietary	8.5	2013-09-09
Jetty	Eclipse Foundation	Apache	9.1.4	2014-04-01
Jexus	Bing Liu	Non-free proprietary	5.5.2	2014-04-27
lighttpd	Jan Kneschke (Incremental)	BSD variant	1.4.35	2014-03-12
LiteSpeed Web Server	LiteSpeed Technologies	Non-free proprietary	4.2.3	2013-05-22
Mongoose	Cesanta Software	GPLv2 / commercial	5.5	2014-10-28
Monkey HTTP Server	Monkey Software	LGPLv2	1.5.1	2014-06-10
NaviServer	Various	Mozilla 1.1	4.99.6	2014-06-29
NCSA HTTPd	Robert McCool	Non-free proprietary	1.5.2a	1996
Nginx	NGINX, Inc.	BSD variant	1.6.2	2014-09-16
OpenBSD httpd	Reyk Floeter, OpenBSD	ISC		2014-10-09
OpenLink Virtuoso	OpenLink Software	GPL and commercial versions	7.1.0	2014-02-17
OpenLiteSpeed	LiteSpeed Technologies	GPLv3 / commercial	1.3.2	2014-05-22
Oracle HTTP Server	Oracle Corporation	Non-free proprietary	12.1.2	2013
Oracle iPlanet Web Server	Oracle Corporation	BSD	7.0.19	2014-01-14
Oracle WebLogic Server	Oracle Corporation (formerly BEA Systems)	Non-free proprietary	12cR3 (12.1.3)	2014-06-26
Resin Open Source	Caucho Technology	GPLv3 / commercial	4.0.39	2014-04-07
Resin Professional	Caucho Technology	Non-free proprietary	4.0.39	2014-04-07
thttpd	Jef Poskanzer for ACME Laboratories	BSD variant	2.25b	2003-12-29
TUX web server	Ingo Molnár	GPL	?	?
Wakanda Server	4D	AGPLv3 / Commercial	8.159169	2014-04-10
WEBrick	Ruby Community	Ruby	1.9.3 p286 (Ruby)	2012-10-12
Xitami	iMatix Corporation	BSD	5.0a0	2009-02-19
Yaws	Claes Wikström	BSD variant	1.98	2013-11-04
Zeus Web Server	Zeus Technology	Non-free proprietary	4.3r5	2010-01-13
Zope	Zope Corporation	Zope	2.13.21	2013-07-16
Server	Creator	Software license	Last stable version	Release date

Features [edit]

Server	Security				Dynamic content ^[a]									Runs in user space or kernel space	Administration console	IPv6
	basic access authentication	digest access authentication	SSL/TLS https	virtual hosting	CGI	FCGI	SCGI	WSGI	Java Servlets	SSI	ISAPI	SSJS				
AOLserver	Yes	No	Yes ^{[b][c][d][1]}	Yes	Yes	No	Unknown	No	No	Yes	Unknown	Unknown	user	Unknown	Unknown	

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Edit links

Apache HTTP Server	Yes	Yes	Yes ^{[e][c][2][f][3]}	Yes	Yes	Yes	Yes	Yes ^[e]	No ^[g]	Yes	Yes ^[h]	Unknown	user	Yes ^[i]	Yes
Apache Tomcat	Yes	Yes	Yes ^{[j][4]}	Yes	Yes	No	Unknown	No	Yes	Yes	No ^[k]	Unknown	user	Yes	Yes ^[l]
Boa	No	No	Yes ^[m]	Yes	Yes	No	Unknown	No	No	No	No	Unknown	user	Unknown	Yes
Caucho Resin Server	Yes	Yes	paid version ^[c]	Yes	Yes	Yes	Unknown	No	Yes	Yes	No	Unknown	user	Yes	Yes
Caudium	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No	Yes	Yes	Unknown	Unknown	user	Yes	Yes ^[n]
Cherokee HTTP Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Unknown	user	Yes	Yes ^[5]
HFS	Yes	No	No	No	No	No	Unknown	No	No	No	Unknown	Unknown	user	Unknown	No
Hiawatha HTTP Server	Yes	Yes	Yes ^{[b][6]}	Yes	Yes	Yes	No	No	No	Yes	No	Unknown	user	Yes	Yes
IBM HTTP Server	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No	No	Yes	No	Unknown	user	Yes	Yes
Internet Information Services	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No ^[p]	Yes	Yes	Yes	kernel and user ^[7]	Yes	Yes
Jetty	Yes	Yes	Yes	Yes	Yes	Unknown	Unknown	No	Yes	Unknown	Unknown	Yes	user	Unknown	Unknown
Jexus	No	No	Yes	Yes	No	Yes	No	No	No	No	No	Yes	user	Yes	No
lighttpd	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No ^[g]	Yes	No	Unknown	user	No	Yes
LiteSpeed Web Server	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No	No ^[g]	Yes	No	Unknown	user	Yes	Yes
Mongoose	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	No	No	user	Yes	Yes
Monkey HTTP Server	Yes	No	Yes ^[a]	Yes	Yes	Yes	No	No	No	No	No	No	user	No	Yes
NaviServer	Yes	No	Yes	Yes	Yes	No	Unknown	No	No	No	Unknown	Unknown	user	Yes	Unknown
NCSA HTTPd	Yes	Yes	Unknown	Partial ^[q]	Yes	Unknown	Unknown	No	No	Yes	No	Unknown	user	Unknown	Unknown
nginx	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No ^[8]	Yes	No	Unknown	user	Yes ^[9]	Yes ^[10]
OpenLink Virtuoso	Yes	Yes	Yes	Yes	No	No	Unknown	No	Yes	Yes	Unknown	Unknown	Unknown	Unknown	Unknown
Oracle HTTP Server ^[11]	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No	No	Yes	No	Unknown	user	Yes ^[f]	Yes
Oracle iPlanet Web Server	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No	Yes	Yes	No	Yes	user	Yes	Yes
Saetta Web Server	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Unknown	user	No	Yes
thttpd	Yes	Unknown	No	Yes	Yes	No	Unknown	No	No	No	No	Unknown	user	No	Yes
TUX web server	No	No	No	Yes	Yes	No	Unknown	No	No	No	No	Unknown	kernel	Unknown	Unknown
Wakanda Server	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	Yes	user	Yes	Yes
Xitami	Yes	Unknown	paid version	Yes	Yes	Unknown	Unknown	No	Unknown	Yes	Unknown	Unknown	user	Unknown	Unknown
Yaws	Yes	Unknown	Yes	Yes	Yes	Yes	Unknown	No	No	Yes	No	Unknown	user	Unknown	Yes
Zeus Web Server	Yes	Yes	Yes	Yes	Yes	Yes	Unknown	No	No ^[g]	Yes	Yes	Unknown	user	Yes	No

- a. [^] The "dynamic content" columns indicate whether the server *itself* implements the given feature. Other features may be available by delegation (e.g. Apache HTTP Server can delegate to Apache Tomcat for Servlet support).
- b. [^] support for using [RSA BSAFE](#)
- c. ^{^ a b c} support for using [openSSL](#)
- d. [^] support for using [Network Security Services](#)
- e. ^{^ a b} via modules
- f. [^] support for using [GnuTLS](#)
- g. ^{^ a b c d} This server implements [AJP](#); compatible third-party Servlet containers can be integrated to provide seamless Servlet support.
- h. [^] This server can use the `mod_isapi` module for this support.
- i. [^] via [Geronimo](#)
- j. [^] support for using [Java Secure Socket Extension](#)
- k. [^] While Tomcat does not implement ISAPI directly, it integrates well with Apache `mod_jk` which contains an ISAPI module for this purpose.
- l. [^] Requires a JVM and OS that support IPv6.
- m. [^] with external patch
- n. [^] [Version 1.4.8 of Caudium](#) mentions IPv6 support but this is not explicitly specified on the [official website](#). Maintainers have been sent a Documentation Update Query; please remove this warning notice when they update their website
- o. ^{^ a b} support for using [PolarSSL](#)
- p. [^] Servlet Engines are supported via `isapi_redirect`.

- q. [^] Due to lack of support for HTTP/1.1, name based virtual hosts are not fully implemented.
 r. [^] via Enterprise Manager

Operating system support [edit]

Server	Windows	Linux	OS X	BSD	Solaris	eComStation	OpenVMS	AIX	IBM i	z/OS	HP-UX
AOLserver	Yes	Yes	Yes	Yes	Yes	No	No	Unknown	No	Unknown	Unknown
Apache HTTP Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Apache Tomcat	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Boa	Unknown	Yes	Unknown	Yes	Unknown	No	No	Unknown	No	Unknown	Unknown
Caucho Resin Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Caudium ^[12]	No	Yes	Yes	Yes	Yes	No	No	Yes	No	Unknown	Unknown
Cherokee HTTP Server	Yes	Yes	Yes	Yes	Yes	No	No	Unknown	No	Unknown	Unknown
HFS	Yes	No	No	No	No	No	No	No	No	No	No
Hiawatha HTTP Server	with Cygwin ^[13]	Yes ^[13]	Yes ^[13]	Yes ^[13]	Yes ^[13]	No	No	No	No	No	No
IBM HTTP Server	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes
Internet Information Services	Yes	No	No	No	No	No	No	No	No	No	No
Jetty (Java)	Yes	Yes	Yes	Yes	Yes	Yes	No	Unknown	No	Yes	Unknown
Jexus	No	Yes	Unknown	Yes	Unknown	No	No	No	No	No	No
lighttpd	Yes (Cygwin)	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
LiteSpeed Web Server	No	Yes	Yes	Yes	Yes	No	No	Unknown	No	Unknown	Unknown
Mongoose	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Monkey HTTP Server	No	Yes	No	No	No	No	No	No	No	No	No
NaviServer	Yes	Yes	Yes	Yes	Yes	Unknown	Unknown	Yes	No	Unknown	Unknown
NCSA HTTPd	Unknown	Yes	Unknown	Yes	Yes	Yes	No	Unknown	No	Unknown	Yes
nginx	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	No	Yes
OpenLink Virtuoso	Yes	Yes	Yes	Yes	Yes	No	No	Unknown	No	Unknown	Unknown
Oracle HTTP Server	Yes	Yes	Unknown	Unknown	Yes	No	No	Yes	No	Unknown	Unknown
Oracle iPlanet Web Server	Yes	Yes	No	No	Yes	No	No	Yes	No	No	Yes
Saetta Web Server	No	Yes	No	Yes	No	No	No	No	No	No	No
thttpd	Yes (Cygwin)	Yes	Yes	Yes	Yes	No	No	Unknown	No	Unknown	Unknown
TUX web server	No	Yes	No	No	No	No	No	No	No	No	No
Wakanda Server	Yes	Yes (via libbsd)	Yes	Yes	Unknown	No	No	No	No	No	No
Xitami	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Unknown	Yes
Yaws	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Unknown	Unknown

See also [edit]

- Embedded HTTP server
- Comparison of application servers
- Unicorn (HTTP server)

References [edit]

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- [^] "Webserver FAQs" ↗. Caudium. Retrieved 2012-02-28.
- [^] ^a ^b ^c ^d ^e Hugo Leisink. "About - Hiawatha webserver" ↗. *hiawatha-webserver.org*. Retrieved 2014-06-21.

External links [edit]

- Netcraft Web Server Survey ↗
- Apache vs IIS vs NginX web server benchmark ↗

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C++	IIS (IIS Express) · POCO	
C	Apache · Cherokee · Hiawatha · Lighttpd · Nginx · Mongoose · Mongrel2 · Monkey · Saelta Web Server · Retired: · Boa · CERN httpd · Xitami · Zeus	
Erlang	Yaws	
Java	GlassFish · IBM WebSphere Application Server · Jetty · JOnAS · Resin · SAP NetWeaver Application Server · Tomcat · WildFly	
Pike	Caudium · Roxen	
Python	Gunicorn · Paste · Tomado · Twisted · Zope	
Ruby	Mongrel · WEBrick	

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