

Apache Modules

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Overview

Use Apache modules to add functionality to your Apache web server.

How to install an Apache module

Important:

Some modules require further configuration. Read our documentation for the module for more information.

To install an Apache module, perform the following steps in WHM's *EasyApache 3* interface ([Home >> Software >> EasyApache 3](#)):

1. Select the *Previously Saved Config* option.
2. Click the *Start customizing based on profile* link.
3. Click *Next Step*.
4. Click *Next Step*.
5. Perform one of the following actions to select the module that you wish to use:
 - If the module that you wish to use is in the *Short Options List* interface, select the option and click *Save and Build*.
 - If the option is not in the *Short Options List* interface, click *Exhaustive Options List*. Select the option and click *Save and Build*.

Featured documentation

EasyApache 3

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Tomcat

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Important:

EasyApache 3 does **not** support new installations of Tomcat.

As of cPanel & WHM version 76, EasyApache 4 now supports Tomcat 8.5. For more information, read our [Tomcat documentation](#).

Apache modules

The following tables contain a description of every Apache module that we allow you to build with EasyApache.

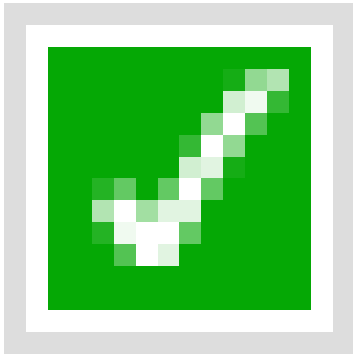
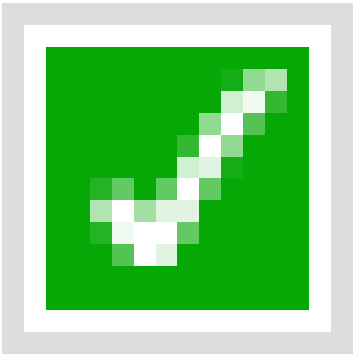
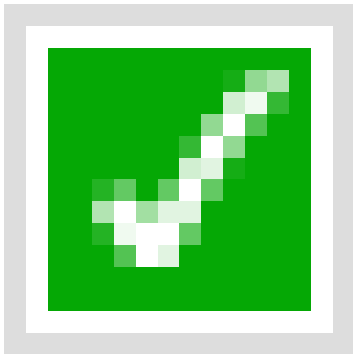
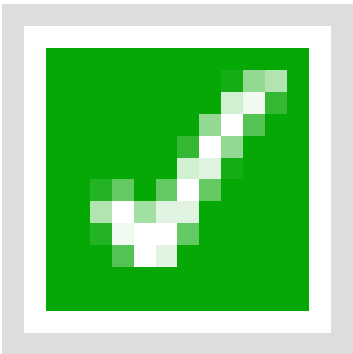
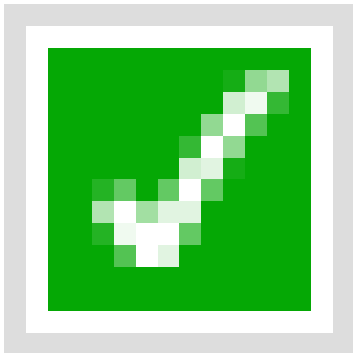
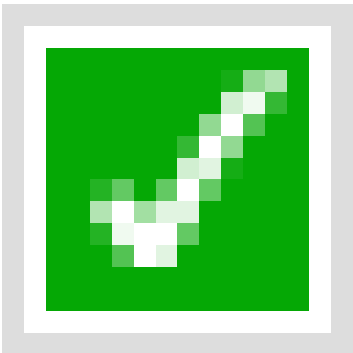
Click the name of a module to read about compatibility or other issues with that module within EasyApache.

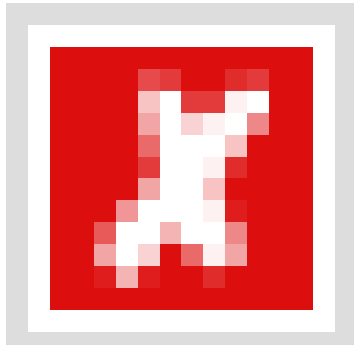
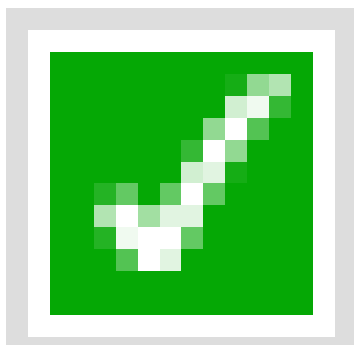
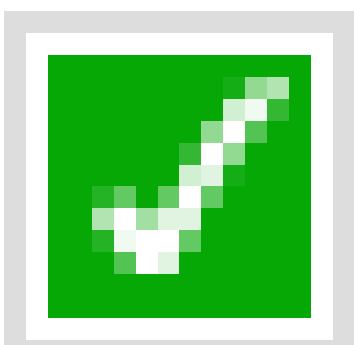
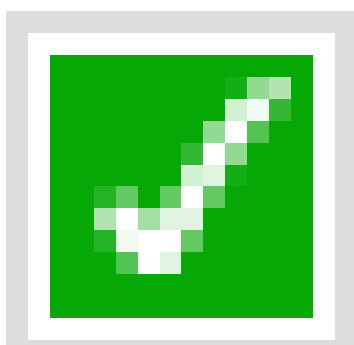
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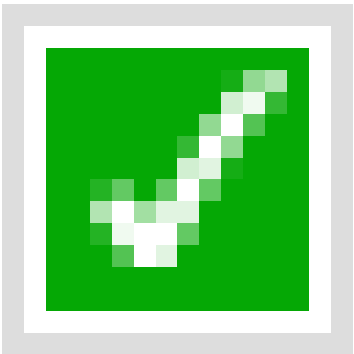
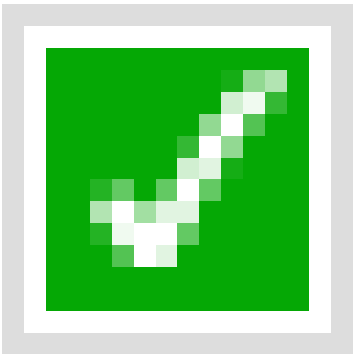
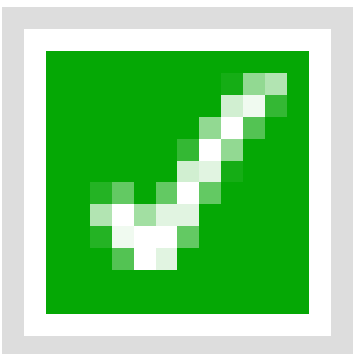
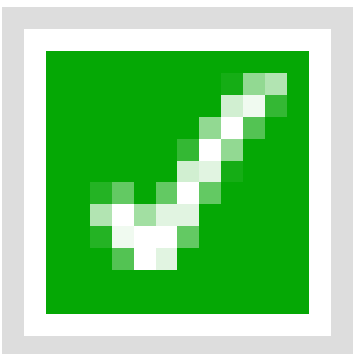
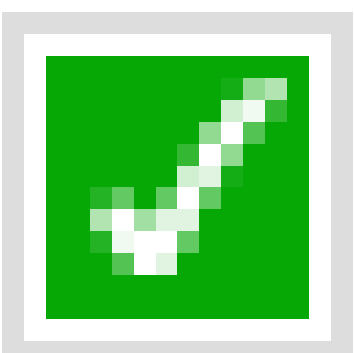
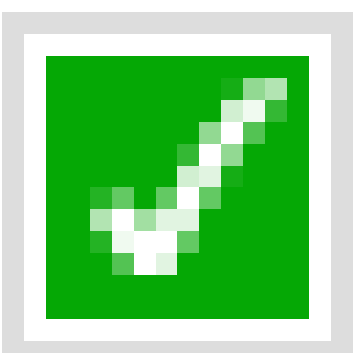
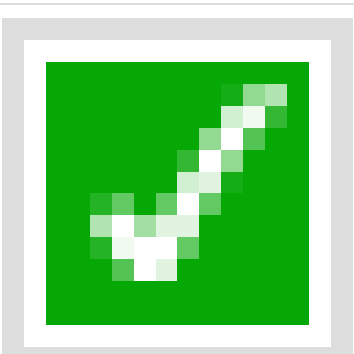
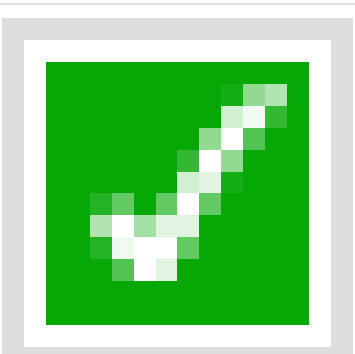
The Mod Ruid2 profile is only available if you do **not** use CloudLinux.

All Modules Modules by type

Modules that are in the Basic, Mod Ruid2 and MPM ITK profiles by default

Module Name	Apache version compatibility		Description
	2 . 2	2 . 4	
Actions			Runs CGI scripts based on media type or request method
Alias			Maps URLs to filesystem paths
Asis			Sends files that contain their own HTTP headers

AuthBasic			Basic authentication module
AuthnDefault			Authentication fallback module
AuthnFile			User authentication using text files
AuthPassthrough			User authentication that allows a program to use its own authentication method

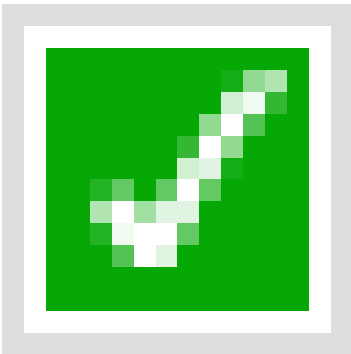
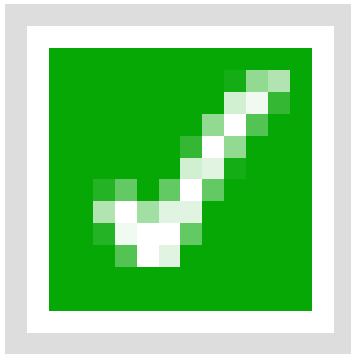
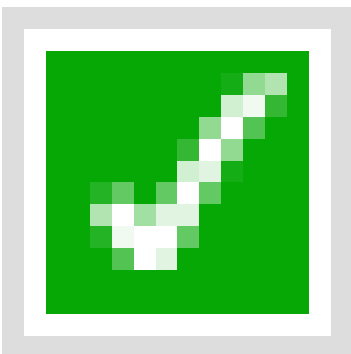
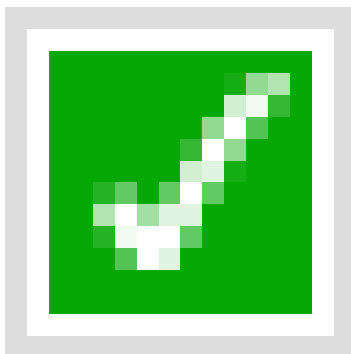
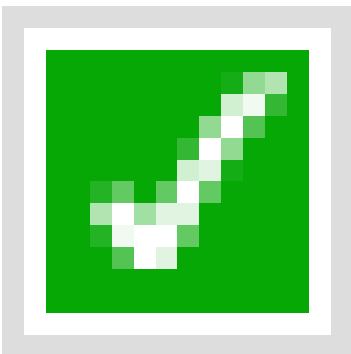
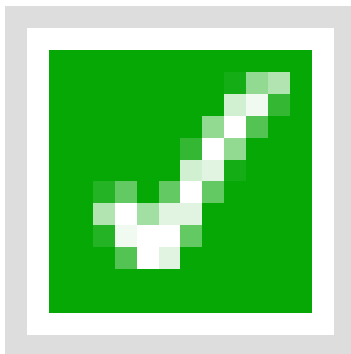
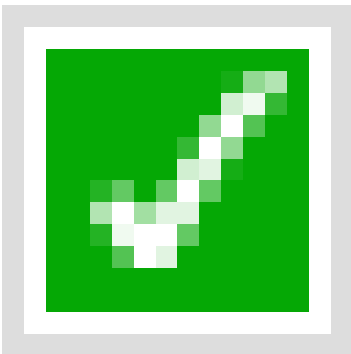
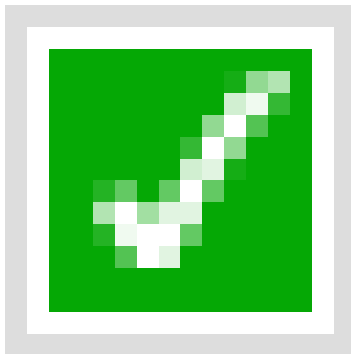
AuthzDefault			Authentication fallback module which rejects any authorization request by default
AuthzGroupFile			Group authorization using text files
AuthzHost			Group authorization based on a hostname or IP address
AuthzUser			User authentication base module

AutoIndex			Automatically generates directory indexes
CGI			Handles CGI requests
Core			Core Apache module
Deflate			Compress content before it is delivered to the client

Dir			Handles trailing slash redirects and serves directory index files
Env			Modifies the environment which is passed to CGI scripts and SSI pages
Expires			Generation of Expires and Cache-Control HTTP headers according to user-specified criteria
FileProtect			cPanel: Limit webroot read access

Filter			Smart filter configuration module
Headers			Customization of HTTP request and response headers
Http			Handles HTTP requests
Include			Handles Server-side includes

Info			Provides a comprehensive overview of the server configuration
LogConfig			Logs requests to the server
Logio			Logs input and output bytes per request
MIME			Associates the requested filename's extension with the file's behavior and content

Negotiation			Allows content negotiation so content can be displayed properly
Proxy			HTTP/1.1 proxy/gateway server
ProxyAJP			Supports AJP (Apache JServ Protocol) proxy requests
ProxyBalancer			Provides load balancing support for HTTP, FTP and AJP13 protocols

ProxyConnect			Proxy extension for CONNECT-based handling
ProxyFTP			Supports FTP proxy requests
ProxyHTTP			Supports HTTP proxy requests
Proxyscgi			Supports SCGI protocol proxy requests

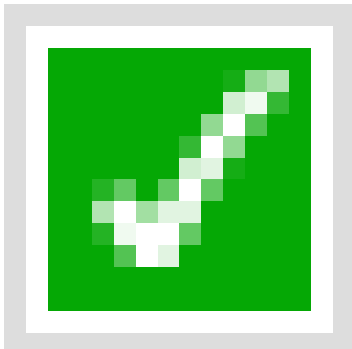
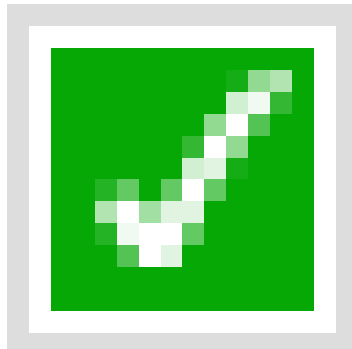
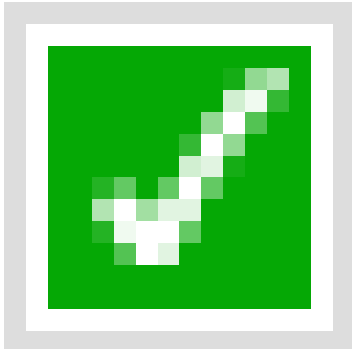
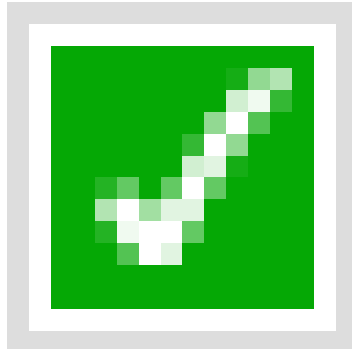
Rewrite			Uses rules to rewrite requested URLs as requested
ModSecurity			Web application firewall
SetEnvIf			Sets environment variables based on the request's characteristics
So			Loads executable code and modules at startup or restart

SSL			Handles security through the Secure Sockets Layer and Transport Layer Security protocols.
Status			Provides information on server activity and performance
UserDir			<p>Allows user-specific directories to be accessed through a translated path</p> <div data-bbox="1146 1024 1438 1247" style="border: 1px solid red; padding: 5px;"> <p>Important: This module will not function with the MPM ITK Module.</p> </div>
Version			Version dependent configuration

Modules that are in the Basic profile

Note:

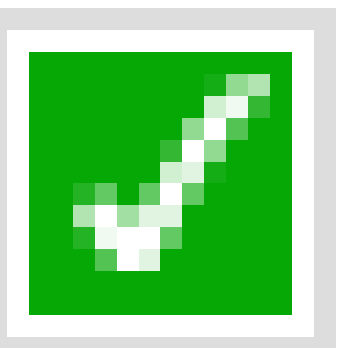
The Basic profile also includes the modules in the Modules that are in the Basic, Mod Ruid2 and MPM ITK profiles by default section.

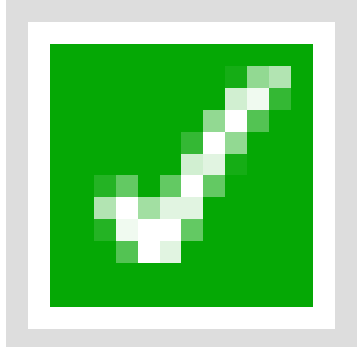
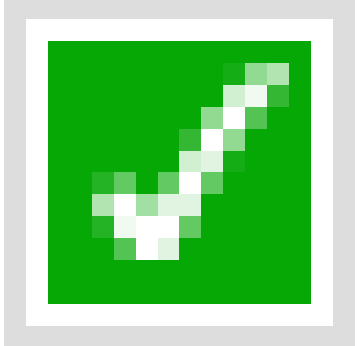
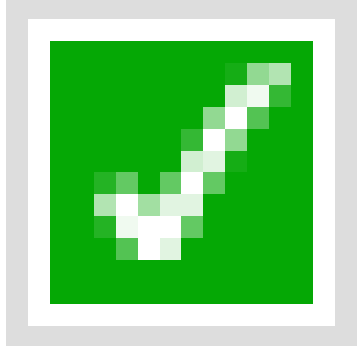
Module name	Apache version compatibility		Description
	2.2	2.4	
MPM Prefork			Implements a non-threaded, pre-forking web server
SuPHP			Execute PHP scripts as the script owner

Modules that are in the Mod Ruid2 profile

Note:

The Basic profile also includes the modules in the [Modules that are in the Basic, Mod Ruid2 and MPM ITK profiles by default section](#).

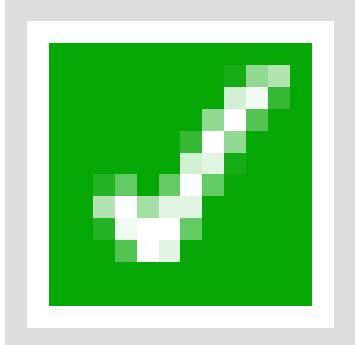
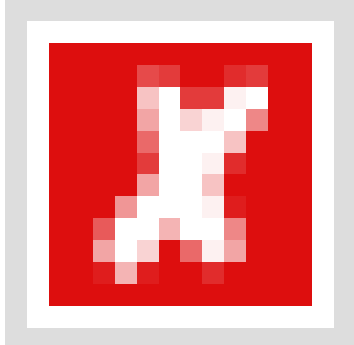
Module name	Apache version compatibility		Description
	2.2	2.4	
MPM Prefork			Implements a non-threaded, pre-forking web server

SuPHP			Execute PHP scripts as the script owner
ModRuid2			Allows HTTP requests to a domain to run as the owner of that domain

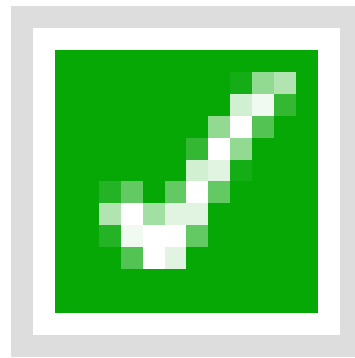
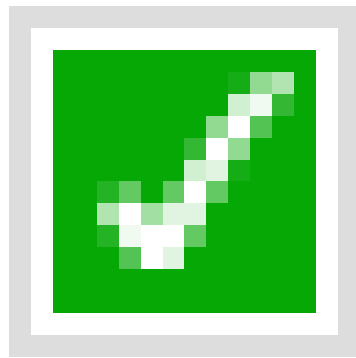
Modules that are in the MPM ITK profile

Notes:

- We introduced the MPM ITK profile to servers that use Apache version 2.2 in the following versions:
 - cPanel & WHM version 11.40.1.16
 - cPanel & WHM version 11.42.1.19
 - cPanel & WHM version 11.44.0.8
 - All cPanel & WHM builds of 11.46
- The MPM ITK profile also includes the modules in the [Modules that are in the Basic, Mod Ruid2 and MPM ITK profiles by default](#) section.

Module name	Apache version compatibility		Description
	2.2	2.4	
MPM ITK			Implements a non-threaded, pre-forking web server <div style="border: 1px solid red; padding: 5px;"> <p>Important: This module will not function with Apache's <code>mod_u</code> <code>serdir</code> module.</p> </div>

[CloudLinux] HostingLimits



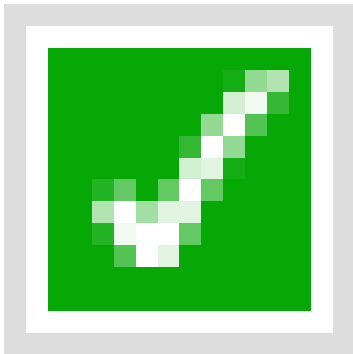
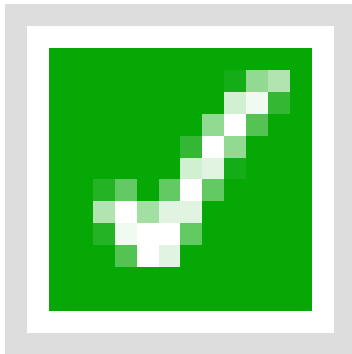
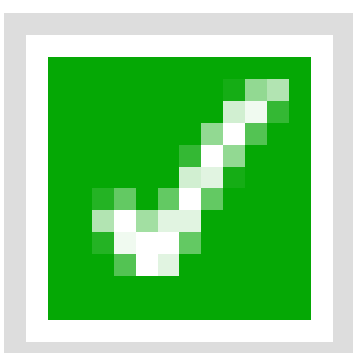
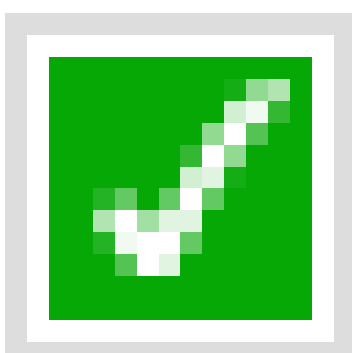
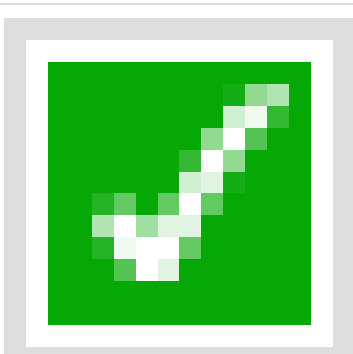
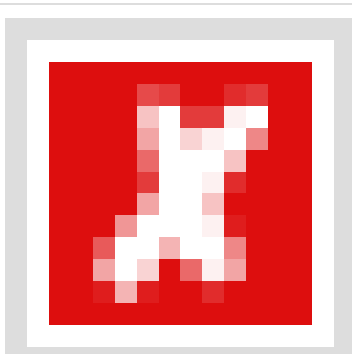
Puts CGI/PHP modules into LVE context.

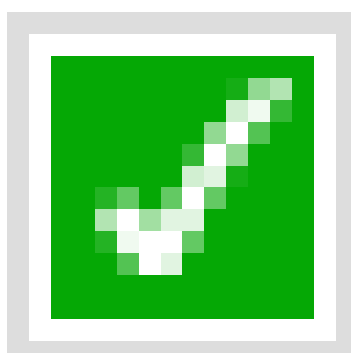
If you install this module, EasyApache will build it automatically.

Additional modules that you can install via EasyApache

Module name	Apache version compatibility		Description
	2.2	2.4	
AuthDigest			User authentication using MD5 Digest Authentication (RFC2617)
AuthnAlias			Provides the ability to create extended authentication providers based on actual providers
AuthnAnon			Allows "anonymous" user access to authenticated area

AuthnDBD			User authentication using an SQL database
AuthnDBM			Provides for user authentication using DBM files
AuthnzLDAP			Allows an LDAP directory to be used to store the database for HTTP Basic authentication
AuthzDBM			Group authorization using DBM files

MPM Event			An experimental variant of the standard worker MPM
MPM Prefork			Implements a non-threaded, pre-forking web server
MPM Worker			Implements a hybrid multi-threaded multi-process web server
MPM ITK			<p>Implements a non-threaded web server that allows each VirtualHost to run under a separate UID and GID.</p> <p>We introduced the MPM ITK option to servers that use Apache version 2.2 in the following versions:</p> <ul style="list-style-type: none"> • cPanel & WHM version 11.40.1.16 • cPanel & WHM version 11.42.1.19 • cPanel & WHM version 11.44.0.8 • All cPanel & WHM builds 11.46

FCGId			High performance alternative <code>mod_cgi</code> or <code>mod_cgid</code>
Bandwidth			Speed and traffic limits
Bucketeer			Filter: manipulate buckets
Cache			Content cache keyed to URIs

CaseFilter			Filter: uppercase conversion
CaseFilterIn			Filter: uppercase conversion (input)
CernMeta			CERN httpd metafile semant
CharsetLite			Specify character set translat or recoding

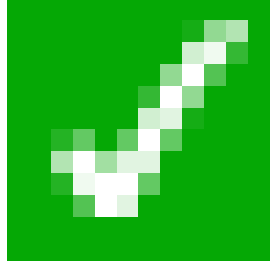
Dav			Distributed Authoring and Versioning (WebDAV) functionality
DAVFs			Distributed Authoring and Versioning (WebDAV) functionality
DAVLock			Distributed Authoring and Versioning (WebDAV) functionality
DBD			Manages SQL database connections

DiskCache			Content cache storage managed keyed to URIs
DistCache			Distributed session cache
DumpIO			Dumps all I/O to error log as desired
Echo			A simple echo server to illustrate protocol modules

ExtFilter			Pass the response body through an external program before delivery to the client
FileCache			Caches a static list of files in memory
FrontPage			Microsoft FrontPage support. <div data-bbox="1179 947 1495 1318" style="border: 1px solid red; padding: 5px;"><p>Warning: We do not recommend that you install FrontPage. In order to make FrontPage available in EasyApache, you must install the Custom Module.</p></div>
Ident			RFC 1413 ident lookups

ImageMap			Server-side imagemap processing
LDAP			LDAP connection pooling and result caching services for use by other LDAP modules
LogForensic			Forensic Logging of the requests made to the server
MemCache			Content cache keyed to URIs

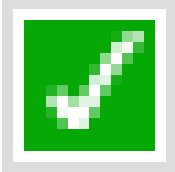
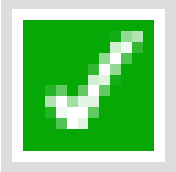
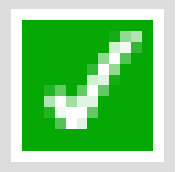
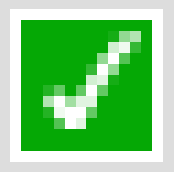
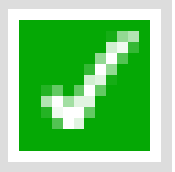
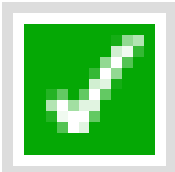
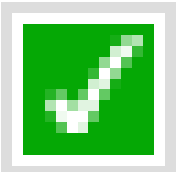
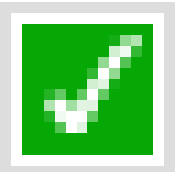
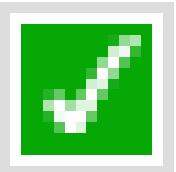
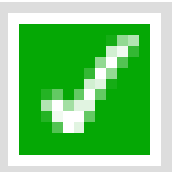
MimeMagic			Determines the MIME type of file by looking at a few bytes of its contents
Mono			Integrate ASP into Apache
OptionalFnExport			Enable the example for an optional function exporter, which is provided by <code>mod_options</code> <code>fn_export</code>
OptionalFnImport			Enable the example for an optional function importer, which is provided by <code>mod_options</code> <code>fn_import</code>

OptionalHookExport			Enable the example for an optional hook exporter, which provided by <code>mod_optional_hook_export</code>
OptionalHookImport			Enable the example optional hook importer, which is provided by <code>mod_optional_hook_import</code>
Perl			Integrate perl into Apache
QoS			Quality of Service (QoS) provider for Apache

ModRuid2			Allows HTTP requests to a domain to run as the owner of that domain
Speling			Attempts to correct mistaken/mistyped URLs
SuPHP			Execute PHP scripts as the script owner
Uniqueld			Provides an environment variable with a unique identifier for each request

UserTrack			Clickstream logging of user activity on a site
VhostAlias			Provides for dynamically configured mass virtual hosti
WatchDog			Provides infrastructure for otl modules to periodically run tasks

CGI/SCGI modules

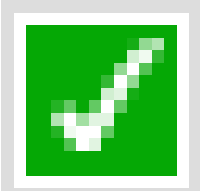
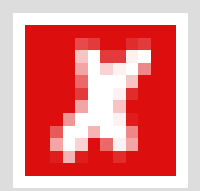
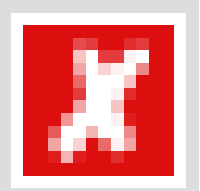
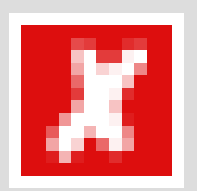
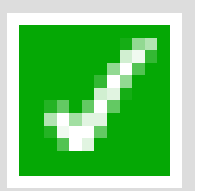
Module name	Apache version compatibility		Included in the following profiles by default			Description
	2.2	2.4	Basic profile	Mod Ruid2 profile	MPM ITK profile	
Actions						Runs CGI scripts based on media type or request method
CGI						(default) Handles CGI requests

Env						Modifies the environment which is passed to CGI scripts and SSI pages
FCGId						High performance alternative to mod_cgi or mod_cgid
HostingLimits			Buils automatically if you install it on system			Puts CGI/PHP modules into LVE context
Proxyscgi						Supports SCGI protocol proxy requests

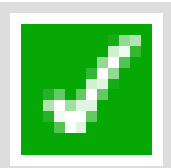
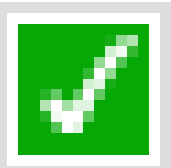
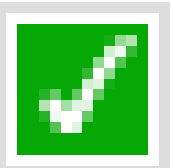
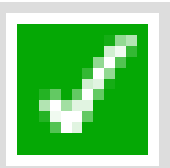
Multi-processing modules (MPMs)

For more information on MPMs, read our [MPM Options](#) documentation.

Module name	Apache version compatibility		Included in the following profiles by default			Description
	2.2	2.4	Basic profile	Mod Ruid2 profile	MPM ITK profile	
MPM Event						An experimental star worker
MPM Prefork						Imp non pre-web
MPM Worker						Imp hyb mul mul web

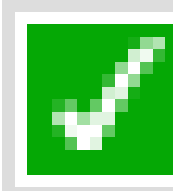
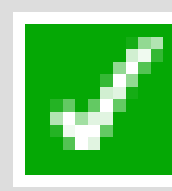
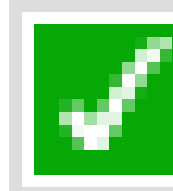
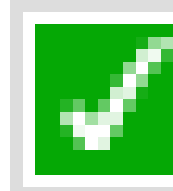
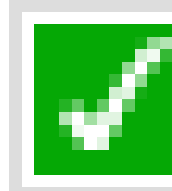
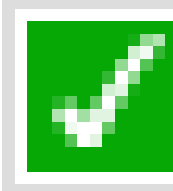
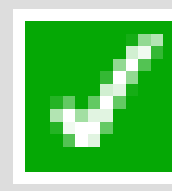
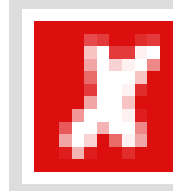
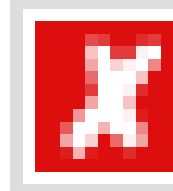
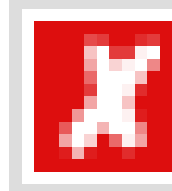
MPM ITK						Imp non web that each Virtu run sep and We the opti serv use vers the vers • • • •
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Proxy modules

Module name	Apache version compatibility		Included in the following profiles by default			Description
	2.2	2.4	Basic profile	Mod Ruid2 profile	MPM ITK profile	
Proxy			? Unknown Attachment			HTTP/1.1 proxy/gateway server

ProxyAJP						Supports AJP (Apache JServ Protocol) proxy requests
ProxyBalancer						Provides load balancing support for HTTP, FTP and AJP13 protocols
ProxyConnect						Proxy extension for CONNECT-based handling
ProxyFTP						Supports FTP proxy requests
ProxyHTTP						Supports HTTP proxy requests

Authentication and authorization modules

Module name	Apache version compatibility		Included in the following profiles by default		
	2.2	2.4	Basic profile	Mod Ruid2 profile	MPM ITK profile
AuthBasic					
AuthDigest					

AuthPassthrough					
AuthnAlias					
AuthnAnon					
AuthnDBD					
AuthnDBM					
AuthnDefault					
AuthnFile					

AuthzGroupFile					
AuthzHost					
AuthzUser					
AuthzDefault					
AuthnzLDAP					
AuthzDBM					

Other Apache modules

Module name	Apache version compatibility		Included in the following profiles by default		
	2.2	2.4	Basic profile	Mod Ruid2 profile	MPM ITK pro

Alias					
Asis					
AutoIndex					
Bandwidth					
Bucketeer					
Cache					
CaseFilter					
CaseFilterIn					

CernMeta					
CharsetLite					
Core					
Dav					
DAVFs					
DAVLock					
DBD					
Deflate					

Dir					
DiskCache					
DistCache					
DumpIO					
Echo					
Expires					
ExtFilter					
FileCache					

FileProtect					
Filter					
FrontPage					
Headers					
Http					
Ident					
ImageMap					

Include					
Info					
LDAP					
LogConfig					
Logio					
LogForensic					
MemCache					
MIME					

MimeMagic					
Mono					
Negotiation					
OptionalFnExport					
OptionalFnImport					
OptionalHookExport					
OptionalHookImport					
Perl					

QoS					
Rewrite					
ModRuid2					
Security					
SetEnvIf					
So					
Speling					
SSL					

Status					
SuPHP					
Uniqeld					
UserDir					
UserTrack					
Version					
VhostAlias					
WatchDog					

Additional information

If you want to keep track of the latest Apache news and issues, you will find the following third-party resources useful:

Bug tracker

- [Bugzilla](#)

Mailing lists

List Name	Subscribe	Post	Archive	Description
<i>Announce</i>	Subscribe	n/a	Archive	Read Only: Release/Security announcements
<i>Bugs</i>	Subscribe	n/a	Archive	Read Only: Bugzilla bug reports
<i>CVS</i>	Subscribe	n/a	Archive	Read Only: CVS (source) commits
<i>Dev</i>	Subscribe	Post	Archive	Discussion: Apache development
<i>Docs</i>	Subscribe	Post	Archive	Discussion: Documentation and translation submissions
<i>Users</i>	Subscribe	Post	Archive	Discussion: General user list - installation, configuration, troubleshooting