

Apache Modules Used with Validation Authority

The following lists the Apache modules loaded by default in the Validation Authority system on systems using Apache 2.4, namely 4.12.1 SP4 and later versions. Some of these modules do not appear to be used and possibly could be eliminated.

Module Name:	mod_access_compat
Function:	Group authorizations based on host (name or IP address).
Status:	Used
Justification:	This module is deprecated but is still used for authorizations.
Module Name:	mod_actions
Function:	Executes CGI scripts based on media type or request method.
Status:	Unused
Justification:	No Action or Script directives are used, so it would appear this module is not used.
Module Name:	mod_alias
Function:	Provides for mapping different parts of the host filesystem in the document tree and for URL redirection.
Status:	Used
Justification:	Used to map the /cgi/bin folder.
Module Name:	mod_asis
Function:	Sends files that contain their own HTTP headers.
Status:	Unused
Justification:	There is no AddHandler directive for send-as-is, so it would appear this module is not used.
Module Name:	mod_auth_basic
Function:	Basic HTTP authentication.
Status:	Unused
Justification:	This module depends on mod_authn_file (which does not seem to be configured) or mod_authn_dbm (which is not even being loaded), so it would appear this module is not used.
Module Name:	mod_authn_core
Function:	Core Authentication.
Status:	Unused
Justification:	No AuthnProviderAlias, AuthBasicProvider, AuthDigestProvider, AuthName, AuthType directives are used, so it would appear this module is not used.
Module Name:	mod_authn_file
Function:	User authentication using text files.
Status:	Unused
Justification:	No AuthUserFile directive is used, nor is there any reference to AuthBasicProvider or AuthDigestProvider which invoke it, so it would appear this module is not used.

Module Name:	mod_authz_core
Function:	Core Authorization.
Status:	Used
Justification:	Used for authorization of user access.
Module Name:	mod_authz_groupfile
Function:	Group authorization using plaintext files.
Status:	Unused
Justification:	No AuthGroupFile, Require group, Require file-group directives are used, so it would appear this module is not used.
Module Name:	mod_authz_host
Function:	Group authorizations based on host (name or IP address).
Status:	Unused
Justification:	No Require ip, Require host, Require forward-dns, Require local directives are used, so it would appear this module is not used.
Module Name:	mod_authz_user
Function:	User Authorization.
Status:	Unused
Justification:	No Require user, Require valid-user directives are used, so it would appear this module is not used.
Module Name:	mod_cgi
Function:	Execution of CGI scripts.
Status:	Used
Justification:	Allows /cgi-bin directory to work. Only used on Windows.
Module Name:	mod_cgid
Function:	Execution of CGI scripts.
Status:	Used
Justification:	Allows /cgi-bin directory to work. Only used on Linux.
Module Name:	mod_dir
Function:	Provides for "trailing slash" redirects and serving directory index files.
Status:	Used
Justification:	Used for serving index.html files.
Module Name:	mod_env
Function:	Modifies the environment which is passed to CGI scripts and SSI pages.
Status:	Used
Justification:	Used for passing/accessing environment variables.
Module Name:	mod_headers
Function:	Customization of HTTP request and response headers.

Status:	Used
Justification:	Used for sending important security headers.
Module Name:	mod_include
Function:	Server-parsed html documents (Server Side Includes).
Status:	Unused
Justification:	Validation Authority Server does not require this module.
Module Name:	mod_isapi
Function:	ISAPI Extensions within Apache for Windows.
Status:	Unused
Justification:	There is no AddHandler directive for isapi-handler, so it would appear this module is not used.
Module Name:	mod_log_config
Function:	Logging of the requests made to the server.
Status:	Used
Justification:	Used for logging.
Module Name:	mod_mime
Function:	Associates the requested filename's extensions with the file's behavior (handlers and filters) and content (mime-type, language, character set and encoding).
Status:	Used
Justification:	Used to associate files with MIME types.
Module Name:	mod_negotiation
Function:	Provides for content negotiation.
Status:	Unused
Justification:	Validation Authority Server does not require this module.
Module Name:	mod_setenvif
Function:	Allows the setting of environment variables based on characteristics of the request.
Status:	Used
Justification:	Used to conditionally set environment variables to deal with browser differences.
Module Name:	mod_ssl
Function:	Strong cryptography using the Secure Sockets Layer (SSL) and Transport Layer Security (TLS) protocols.
Status:	Used
Justification:	Used to enable SSL.
Module Name:	mod_unixd
Function:	Basic (required) security for Unix-family platforms.
Status:	Used
Justification:	Used on Linux only.