

APPENDIX G

Third-Party Apache Modules

THIS APPENDIX COVERS third-party Apache modules. For information about the different modules available for Apache, visit <http://modules.apache.org>.

Authentication and Access Control Modules

Table G-1 describes the authentication and access control modules available for Apache.

Table G-1. Authentication and Access Control Modules

Module Name	Purpose
mod_access_identd	Mandatory access control based upon RFC 1413 (identd) credentials
mod_allowdev	Restricts access to file space more efficiently
mod_auth_any	Allows for arbitrary authentication back ends
mod_auth_cache	Authentication caching module using session cookies
mod_auth_cookie	Fake Basic authentication using cookies
mod_auth_cookie_file	Cookie-based authentication, with .htpasswd-like file
mod_auth_cookie_mysql	Cookie-based authentication, with mysql database
mod_auth_cookie_mysql	Cookie-based authentication, with mysql database
mod_auth_external	Authenticates using user-provided function/script
mod_auth_inst	Instant password authentication
mod_auth_kerb	Kerberos authentication for mutual tkt or principal/passwd
mod_auth_ldap	Allows Apache to authenticate HTTP clients using user entries in an LDAP directory
mod_auth_mysql	MySQL-based authentication
mod_auth_nds	Authenticates users from an NDS directory
mod_auth_nis	NIS/passwd-based authentication, using normal user IDs
mod_auth_notes	Lotus Notes-based authentication
mod_auth_ns	Allows authentication using the name server developed at UIUC

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Table G-1. Authentication and Access Control Modules (Continued)

Module Name	Purpose
mod_auth_nt	NT-based authentication for users/groups
mod_auth_ntsec	Authentication module for Cygwin 1.x's ntsec feature
mod_auth_oracle	Authentication using Oracle8/8i
mod_auth_oracle/win32	Authenticates against an Oracle8.x.x database—with or without mod_ssl (for Win32 only!)
mod_auth_pam	Authentication against Pluggable Authentication Modules (PAMs)
mod_auth_pgsql	Authentication using PostgreSQL
mod_auth_radius	Authentication via external Radius server
mod_auth_rdbm	Networked DBM or DB authentication permits authentication DB sharing between servers
mod_auth_rom	Authentication module for the ROM-based MUDs
mod_auth_samba	Samba authentication module for Apache
mod_auth_smb	Authenticates against SMB servers (Windows NT, Samba)
mod_auth_sys	Basic authentication using System-Accounts
mod_auth_tacacs	TACACS+ authentication module for Apache
mod_auth_udp	External authentication using UDP packets
mod_auth_yard	Authentication via YARD database
mod_auth_yp	Authenticates usernames/passwords and usernames/groups through NIS (yellow pages)
mod_auth2	Allows multiple NCSA-style password files
mod_hosts_access	Allows use of hosts.allow and hosts.deny files to configure access
mod_LDAPauth	Authentication through an LDAP directory
mod_ntlm	NTLM authentication for Apache/Unix
mod_odbc_auth	ODBC authorization module for Apache (for Win32)
mod_sm	A SiteMinder authentication and authorization agent

Dynamic Content Modules

Table G-2 describes the dynamic content modules available for Apache.

Table G-2. Dynamic Content Modules

Module Name	Purpose
Chili!ASP	Implements Microsoft Active Server Pages for Apache
ColdFusion	Interface to the ColdFusion application server
heitml - Extended Interactive HTML	Programmable database extension of HTML
Hotwired mod_include	Hotwired extensions to mod_include

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Table G-2. Dynamic Content Modules (Continued)

Module Name	Purpose
HTML::Embperl	Embeds Perl into HTML
mod_cgisock	Socket implementation of CGI
mod_conv	View FTP archives using WWW conversions
mod_corba	Exposes Apache module API via CORBA
mod_cplusplus	A C++ wrapper around Apache 2.0
mod_cscript	Embedded C code in HTML, compiled ahead of time, and dynamically loaded into Apache at runtime
mod_dtcl	Open-source server-parsed Tcl for Apache
mod_ecgi	Embedded (non-forking) CGI
mod_fastcgi	Keeps CGI processes alive to avoid per-hit forks
mod_fjord	Java back-end processor
mod_frontpage	Enables Microsoft FrontPage extensions (SE v5.0)
mod_gifcounter	Basic GIF counter
mod_javascript	JavaScript module (ECMA-262)
mod_jserv	Java Servlet interface
mod_neoinclude	NeoWebScript, Tcl scripting extension
mod_pagescript	SSI extensions
mod_perl	Embeds a Perl interpreter to avoid CGI overhead and provides a Perl interface to the server API
mod_php	Supports PHP
mod_python	Apache/Python integration
mod_ruby	Embeds Ruby interpreters to avoid CGI overhead and provides a Perl interface to the server API
mod_scgi	Allows SSI directives in the output of a CGI
mod_session	Advanced session management and tracking
mod_tcl	Module similar to mod_perl except for Tcl
mod_trailer	Adds HTML trailers to groups of documents
mod_webcounter	Module-based page counter
mod_weborb (WebORB project)	Directly invokes CORBA objects to handle CGI requests
mod_xslt	A filter to parse XML with an XSL
OpenASP	Open-source implementation of Microsoft Active Server Pages
PyApache	Embedded Python language interpreter
VelociGen for Perl	High-performance server programming using Perl
VelociGen for Tcl	High-performance server programming using Tcl
WebPlus (Web+)	TalentSoft Web+ application development tool/database middleware
WebPlusShop (Web+Shop)	TalentSoft Web+Shop e-commerce shopping cart application

Feature Modules

Table G-3 describes the feature modules available for Apache.

Table G-3. Feature Modules

Module Name	Purpose
mod_cvs	Automatically updates files in a CVS-based Web tree
mod_dav	WebDAV protocol extensions for Apache
mod_dlopen	Load modules dynamically from ELF object files
mod_fcache	MIME type file caching into Apache memory
mod_filename	Handles requests with incorrect extensions or no extension at all
mod_fontxlate	Configurable national character set translator
mod_format	Formats C, C++, and Java source code using HTML
mod_gunzip	On-the-fly decompression of HTML documents
mod_gzip	gzip compression module for Apache
mod_macro	Adds macro capabilities to Apache's runtime configuration files
mod_proxy_add_forward	Patch to add X-Forwarded-For headers to outgoing proxy requests
mod_put	Handler for HTTP/1.1 PUT and DELETE methods
mod_roaming	Netscape roaming access
mod_userpath	Provides a different method of mapping ~user URLs
parselog	Perl script to parse and store logs by server and date

Performance Modules

Table G-4 describes the performance modules available for Apache.

Table G-4. Performance Modules

Module Name	Purpose
mod_backhand	Load-balancing proxy module
mod_bandwidth	Limits bandwidth usage per virtual server depending on the number of connections
mod_mmap_static	Maps a static list of files for speed
mod_throttle	Throttles the usage of individual users

Security Modules

Table G-5 describes the security modules available for Apache.

Table G-5. Security Modules

Module Name	Purpose
Apache SSL	SSL extensions for Apache
mod_iprot	iProtect; prevents password theft and abuse
mod_ssl	Implements SSL
Raven SSL	Covalent Raven SSL provides the capability to easily secure Web transactions, supporting both SSL and TLS

