

Apache MPM netware

Description:	Multi-Processing Module implementing an exclusively threaded web server optimized for Novell NetWare
Status:	MPM
Module Identifier:	mpm_netware_module
Source File:	mpm_netware.c

Summary

This Multi-Processing Module (MPM) implements an exclusively threaded web server that has been optimized for Novell NetWare.

The main thread is responsible for launching child worker threads which listen for connections and serve them when they arrive. Apache always tries to maintain several *spare* or idle worker threads, which stand ready to serve incoming requests. In this way, clients do not need to wait for a new child threads to be spawned before their requests can be served.

The `StartThreads`, `MinSpareThreads`, `MaxSpareThreads`, and `MaxThreads` regulate how the main thread creates worker threads to serve requests. In general, Apache is very self-regulating, so most sites do not need to adjust these directives from their default values. Sites with limited memory may need to decrease `MaxThreads` to keep the server from thrashing (spawning and terminating idle threads). More information about tuning process creation is provided in the performance hints¹ documentation.

`MaxRequestsPerChild` controls how frequently the server recycles processes by killing old ones and launching new ones. On the NetWare OS it is highly recommended that this directive remain set to 0. This allows worker threads to continue servicing requests indefinitely.

Topics

URI References 2

Directives

Listen	⇒	MaxThreads.....	1
ListenBacklog	⇒	MinSpareThreads.....	⇒
MaxMemFree	⇒	SendBufferSize	⇒
MaxRequestsPerChild.....	⇒	StartThreads	⇒
MaxSpareThreads	⇒	ThreadStackSize.....	2

(⇒ This directive is defined elsewhere. See: [mpm_common](#))

See also

- Setting which addresses and ports Apache uses²

MaxThreads Directive

Description:	Set the maximum number of worker threads
Syntax:	<code>MaxThreads</code> <i>number</i>
Default:	<code>MaxThreads</code> 2048
Context:	server config
Status:	MPM
Module:	mpm_netware

Apache MPM netware

The `MaxThreads` directive sets the desired maximum number worker threads allowable. The default value is also the compiled in hard limit. Therefore it can only be lowered, for example:

```
MaxThreads 512
```

ThreadStackSize Directive

Description:	Determine the stack size for each thread
Syntax:	<code>ThreadStackSize</code> <i>number</i>
Default:	<code>ThreadStackSize</code> 65536
Context:	server config
Status:	MPM
Module:	mpm_netware

This directive tells the server what stack size to use for each of the running threads. If you ever get a stack overflow you will need to bump this number to a higher setting.

URI References

[1] <http://httpd.apache.org/docs-2.1/misc/perf-tuning.html>

[2] <http://httpd.apache.org/docs-2.1/bind.html>