**Overview of new features in Apache HTTP Server 2.4**

**Run-time Loadable MPMs**

Multiple MPMs can now be [built as loadable modules](https://httpd.apache.org/docs/2.4/pt-br/mpm.html" \l "dynamic) at compile time. The MPM of choice can be configured at run time via [LoadModule](https://httpd.apache.org/docs/2.4/pt-br/mod/mod_so.html" \l "loadmodule) directive.

**Event MPM**

The [Event MPM](https://httpd.apache.org/docs/2.4/pt-br/mod/event.html) is no longer experimental but is now fully supported.

**Asynchronous support**

Better support for asynchronous read/write for supporting MPMs and platforms.

**Per-module and per-directory LogLevel configuration**

The [LogLevel](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html" \l "loglevel) can now be configured per module and per directory. New levels trace1 to trace8 have been added above the debug log level.

**Per-request configuration sections**

[<If>](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html" \l "if), [<ElseIf>](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html" \l "elseif), and [<Else>](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html" \l "else) sections can be used to set the configuration based on per-request criteria.

**General-purpose expression parser**

A new expression parser allows to specify [complex conditions](https://httpd.apache.org/docs/2.4/pt-br/expr.html) using a common syntax in directives like [SetEnvIfExpr](https://httpd.apache.org/docs/2.4/pt-br/mod/mod_setenvif.html" \l "setenvifexpr), [RewriteCond](https://httpd.apache.org/docs/2.4/pt-br/mod/mod_rewrite.html" \l "rewritecond), [Header](https://httpd.apache.org/docs/2.4/pt-br/mod/mod_headers.html#header), [<If>](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html#if), and others.

**KeepAliveTimeout in milliseconds**

It is now possible to specify [KeepAliveTimeout](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html" \l "keepalivetimeout) in milliseconds.

**NameVirtualHost directive**

No longer needed and is now deprecated.

**Override Configuration**

The new [AllowOverrideList](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html" \l "allowoverridelist) directive allows more fine grained control which directives are allowed in .htaccess files.

**Config file variables**

It is now possible to [Define](https://httpd.apache.org/docs/2.4/pt-br/mod/core.html#define) variables in the configuration, allowing a clearer representation if the same value is used at many places in the configuration.

**Reduced memory usage**

Despite many new features, 2.4.x tends to use less memory than 2.2.x.