

#42912

Protocol Directive undocumented

Open Source Seminar `09
Christian Röss

- 1. ASF**
- 2. Apache HTTP Server**
- 3. The Bug**
- 4. Expericence**



1. ASF
- ~~2. Apache HTTP Server~~
3. The Bug
4. Expericence



Apache Software Foundation

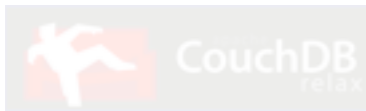
ASF: Projekte



ASF: Projekte



ASF: Projekte



70+ Projekte



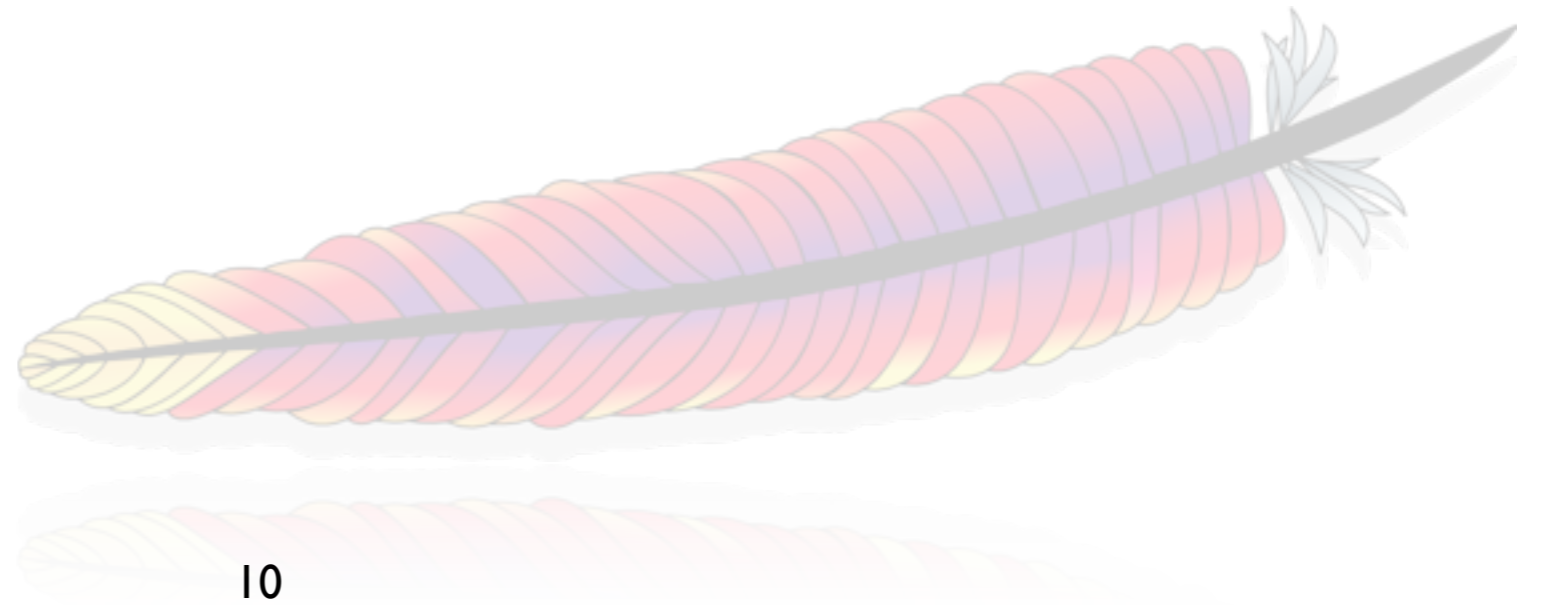
How come?

The Apache Software Foundation

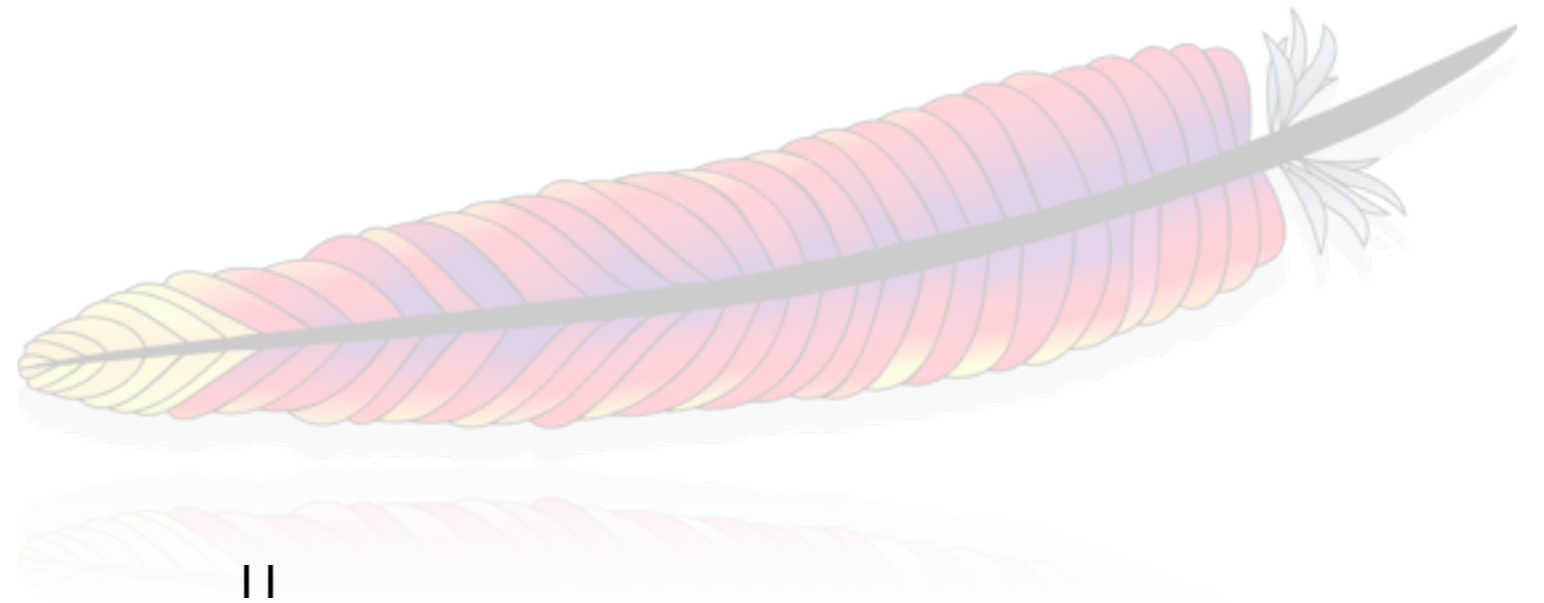
Celebrating a Decade of Open Source Leadership.



Meritocracy

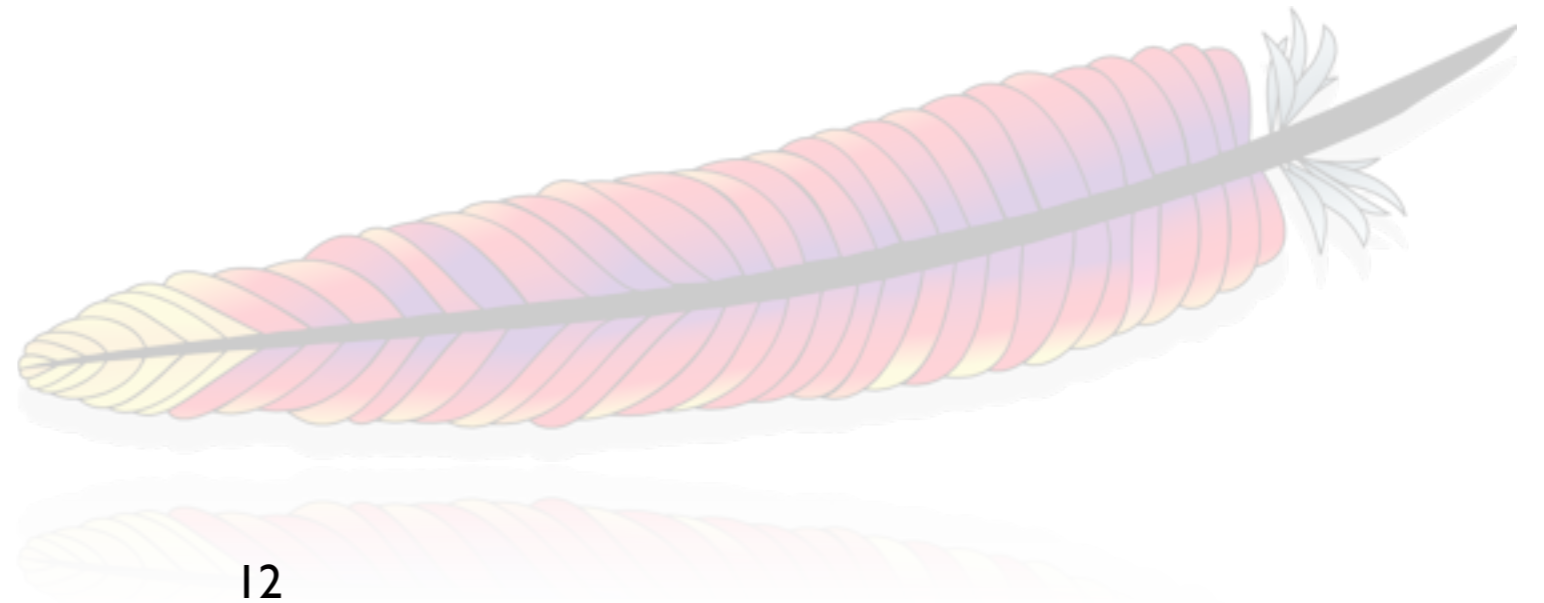


Meritocracy (Meritokratie)



Meritocracy (Meritokratie)

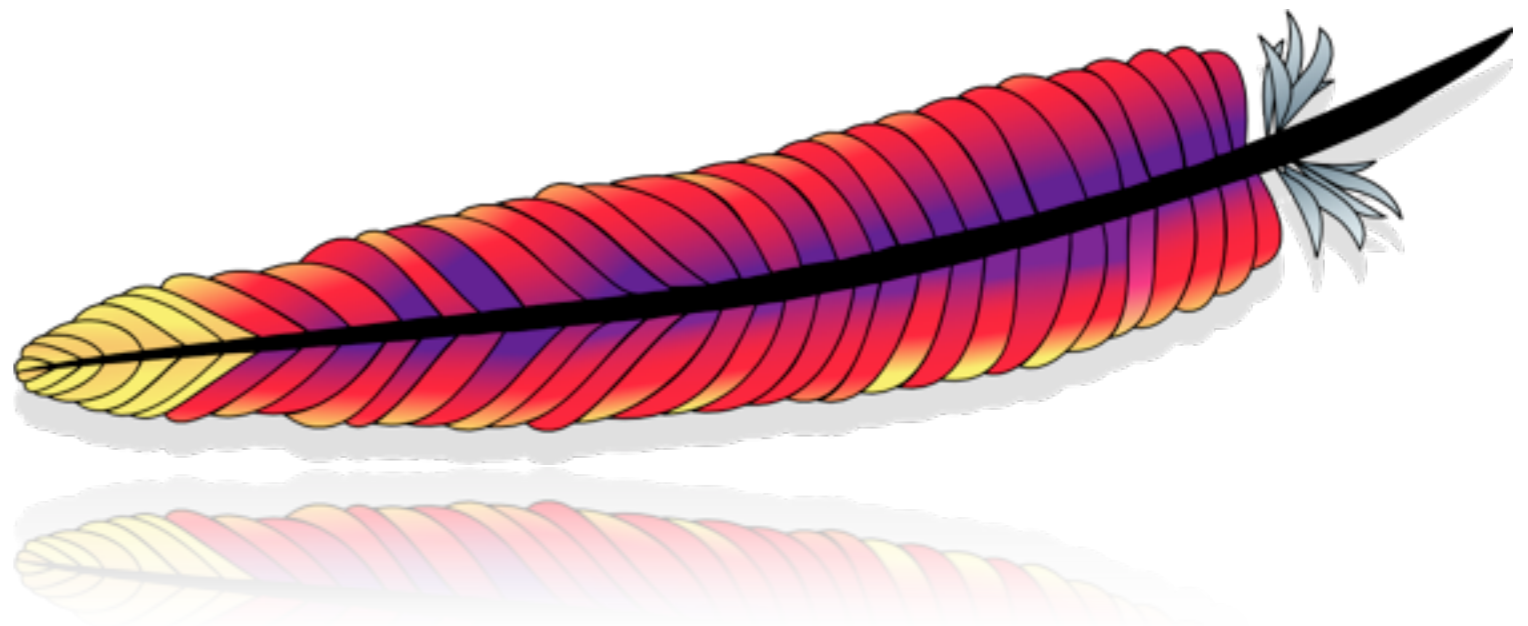
→ engl. Verdienst



1. ASF
2. Apache HTTP Server

3. The Bug

4. Expericence



Undocumented core directive: Protocol

Joshua Slive 2007-07-16 19:11:12 UTC

[Description](#)

The Protocol directive is in core.c in from at least 2.2 (I haven't check earlier) but is not documented.

It seems to be the equivalent of ServerName for use in constructing self-referentials URLs when UseCanonicalname is on (but I haven't tested to make sure it works).

Undocumented core directive: Protocol

Joshua Slive 2007-07-16 19:11:12 UTC

[Description](#)

The Protocol directive is in core.c in from at least 2.2 (I haven't check earlier) but is not documented.

It seems to be the equivalent of ServerName for use in constructing self-referentials URLs when UseCanonicalname is on (but I haven't tested to make sure it works).

Takashi Sato 2007-11-25 00:00:49 UTC

[Comment 1](#)

"Protocol" was added as [r190563](#)
<http://svn.apache.org/viewvc?view=rev&revision=190563>

Documentation of Apache Core Module

e:

dy
ady

ers entire
Once an
nel then sends
9) man page
quests are
ter is used.

<LocationMatch>
LogLevel
MaxKeepAliveRequests
Mutex
NameVirtualHost
Options
RLimitCPU
RLimitMEM
RLimitNPROC
ScriptInterpreterSource
SeeRequestTail
ServerAdmin
ServerAlias
ServerName
ServerPath
ServerRoot

Vermutung

```
Listen 127.0.0.1:80  
Protocol http
```

```
http://127.0.0.1/server-status
```

Revision 190563



Jump to revision: ↶ ↷

Author: pquerna

Date: Tue Jun 14 09:21:18 2005 UTC (4 years, 7 months ago)

Changed paths: 7

Log Message:

Merge the listen-protocol sandbox branch to trunk.

I will be adding documentation for the new directives hopefully in the next day or so.

* server/core.c: Added 'Protocol' to the core module config
Added 'listen-protocol' to the core module config.
Added 'listen-protocol' to the core module config.
Added 'listen-protocol' to the core module config.
Enable 'httpready' by default on systems that support it. Use
dataready filters for others.
The 'Listen' directive can now optionally take a protocol arg
Move bits that determined which accept filter is applied to
core.c.
Added bits to find the correct accept filter based on the
core's configuration.

* include/{ap_listen.h,http_core.h}: Add Protocol to respective structures.

* include/http_core.h: Add the accf_map table to the core_server_config
structure

* include/ap_mmn.h: Minor MMN Bump for the new interfaces.

* modules/ssl/ssl_engine_init.c: Use the new protocol framework to enable
mod_ssl for 'https' websites.

„I will be adding documentation for the new directives hopefully in the next day or so.“

Tatsächlich:

```
Listen 127.0.0.1:80  
Accept-Filter http httpready
```

Aber:

```
Listen 127.0.0.1:8080  
Accept-Filter http httpready
```

Tatsächlich:

```
Listen 127.0.0.1:80  
Accept-Filter http httpready
```

Aber:

```
Listen 127.0.0.1:8080  
Accept-Filter http httpready  
Protocol http
```

server/core.c

```
AP_INIT_TAKE1("Protocol", set_protocol, NULL, RSRC_CONF,  
"Set the Protocol for httpd to use."),|
```

```
static const char *set_protocol(cmd_parms *cmd, void *dummy,  
                                const char *arg)  
{  
    const char *err = ap_check_cmd_context(cmd, NOT_IN_DIR_LOC_FILE);  
    core_server_config *conf = ap_get_module_config(cmd->server->module_config,  
                                                    &core_module);  
  
    char* proto;  
  
    if (err != NULL) {  
        return err;  
    }  
  
    proto = apr_pstrdup(cmd->pool, arg);  
    ap_str_tolower(proto);  
    conf->protocol = proto;  
  
    return NULL;  
}
```

Docs

docs/

dox/

man/

manual/

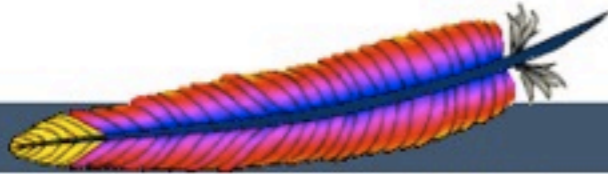
Docs

docs/

dox/

man/

manual/



Apache HTTP Server Version 2.3

[Apache](#) > [HTTP Server](#) > [Documentation](#)

Apache HTTP Server Version 2.3 Documentation

Available Languages: [de](#) | [en](#) | [es](#) | [fr](#) | [ja](#) | [ko](#) | [pt-br](#) | [tr](#)

Release Notes

[New features with Apache 2.3/2.4](#)
[New features with Apache 2.1/2.2](#)
[New features with Apache 2.0](#)
[Upgrading to 2.4 from 2.2](#)
[Apache License](#)

Reference Manual

[Compiling and Installing](#)
[Starting](#)
[Stopping or Restarting](#)
[Run-time Configuration Directives](#)
[Directive Quick-Reference](#)
[Modules](#)
[Multi-Processing Modules \(MPMs\)](#)
[Filters](#)
[Handlers](#)
[Server and Supporting Programs](#)
[Glossary](#)

Users' Guide

[Binding](#)
[Configuration Files](#)
[Configuration Sections](#)
[Content Caching](#)
[Content Negotiation](#)
[Dynamic Shared Objects \(DSO\)](#)
[Environment Variables](#)
[Log Files](#)
[Mapping URLs to the Filesystem](#)
[Performance Tuning](#)
[Security Tips](#)
[Server-Wide Configuration](#)
[SSL/TLS Encryption](#)
[Suexec Execution for CGI](#)
[URL Rewriting with mod_rewrite](#)
[Virtual Hosts](#)

How-To / Tutorials

[Authentication, Authorization, and Access Control](#)
[CGI: Dynamic Content](#)
[.htaccess files](#)
[Server Side Includes \(SSI\)](#)
[Per-user Web Directories \(public_html\)](#)

Platform Specific Notes

[Microsoft Windows](#)
[Novell NetWare](#)
[EBCDIC Port](#)

Other Topics

[Frequently Asked Questions](#)
[Sitemap](#)
[Documentation for Developers](#)
[Other Notes](#)
[Wiki](#)

Available Languages: [de](#) | [en](#) | [es](#) | [fr](#) | [ja](#) | [ko](#) | [pt-br](#) | [tr](#)

[Modules](#) | [Directives](#) | [FAQ](#) | [Glossary](#) | [Sitemap](#)

Umgebung

- ▶ apache-trunk
- ▶ apr-trunk
- ▶ documentation build script

Sehr gut dokumentiert!

<http://httpd.apache.org/dev/devnotes.html>

docs/manual/mod/core.xml

```
<directivesynopsis>
<name>Protocol</name>
<description>Protocol for a listening socket</description>
<syntax>Protocol <var>protocol</var></syntax>
<contextlist><context>server config</context><context>virtual host</context></contextlist>
<compatibility>Available in Apache 2.1.5 and later.
On Windows from Apache 2.3.3 and later.</compatibility>
```

<usage>

<p>This directive specifies the protocol used for a specific listening socket. The protocol is used to determine which module should handle a request, and to apply protocol specific optimizations with the <directive>AcceptFilter</directive> directive.</p>

<p>You only need to set the protocol if you are running on non-standard ports, otherwise <code>http</code> is assumed for port 80 and <code>https</code> for port 443.</p>

<p>For example, if you are running <code>https</code> on a non-standard port, specify the protocol explicitly:</p>

<example>

```
Protocol https
</example>
```

<p>You can also specify the protocol using the
|<directive module="mpm_common">Listen</directive> directive.</p>

</usage>

<seealso><directive>AcceptFilter</directive></seealso>

<seealso><directive module="mpm_common">Listen</directive></seealso>

```
</directivesynopsis>
```

Protocol Directive

Description:	Protocol for a listening socket
Syntax:	<code>Protocol <i>protocol</i></code>
Context:	server config, virtual host
Status:	Core
Module:	core
Compatibility:	Available in Apache 2.1.5 and later. On Windows from Apache 2.3.3 and later.

This directive specifies the protocol used for a specific listening socket. The protocol is used to determine which module should handle a request, and to apply protocol specific optimizations with the `AcceptFilter` directive.

You only need to set the protocol if you are running on non-standard ports, otherwise `http` is assumed for port 80 and `https` for port 443.

For example, if you are running `https` on a non-standard port, specify the protocol explicitly:

```
Protocol https
```

You can also specify the protocol using the `Listen` directive.

See also

- `AcceptFilter`
- [Listen](#)

ASF Bugzilla - Bug 42912

Undocumented core directive: Protocol

Last modified: 2010-02-09 06:27:31 UTC

[Home](#) | [New](#) | [Search](#) | | [Reports](#) | [Help](#) | [New Account](#) | [Log In](#) | [Forgot Password](#)

First Last Prev Next No search results available

Bug 42912 - Undocumented core directive: Protocol**Status:** NEW**Reported:** 2007-07-16 19:11 UTC by Joshua Slive**Product:** Apache httpd-2**Modified:** 2010-02-09 06:27 UTC ([History](#))**Component:** Documentation**CC List:** 2 users ([show](#))**Version:** 2.3-HEAD**Platform:** Other other[See Also:](#)**Importance:** P2 normal ([vote](#))**Target Milestone:** ---**Assigned To:** Apache HTTPD Bugs Mailing List**URL:****Keywords:** PatchAvailable**Depends on:**

Attachments

[Added documentation for the Protocol directive to core.xml](#) (1.77 KB, patch)

[2010-02-08 15:52 UTC](#), Christian Ress

[Details](#)

[Add an attachment](#) (proposed patch, testcase, etc.)

Joshua Slive 2007-07-16 19:11:12 UTC

[Description](#)

```
The Protocol directive is in core.c in from at least 2.2 (I haven't check
earlier) but is not documented.
```

ASF Bugzilla - Bug 42912

Undocumented core directive: Protocol

Last modified: 2010-02-09 06:27:31 UTC

[Home](#) | [New](#) | [Search](#) | | [Reports](#) | [Help](#) | [New Account](#) | [Log In](#) | [Forgot Password](#)

First Last Prev Next No search results available

Bug 42912 - Undocumented core directive: Protocol**Status:** NEW**Reported:** 2007-07-16 19:11 UTC by Joshua Slive**Product:** Apache httpd-2**Modified:** 2010-02-09 06:27 UTC ([History](#))**Component:** Documentation**CC List:** 2 users ([show](#))**Version:** 2.3-HEAD**Platform:** Other other**See Also:****Importance:** P2 normal ([vote](#))**Target Milestone:** ---**Assigned To:** Apache HTTPD Bugs Mailing List**Keywords:** PatchAvailable**Depends on:****Blocks:**Show dependency [tree](#) / [graph](#)**Attachments**[Added documentation for the Protocol directive to core.xml](#) (1.77 KB, patch)[Details](#)

2010-02-08 15:52 UTC, Christian Ress

[Add an attachment](#) (proposed patch, testcase, etc.)

Note

You need to [log in](#) before you can comment on or make changes to this bug.

Joshua Slive 2007-07-16 19:11:12 UTC

[Description](#)

The Protocol directive is in core.c in from at least 2.2 (I haven't check earlier) but is not documented.

1. ASF
2. Apache HTTP Server
3. The Bug

4. Experience



Erfahrungen

- ▶ Sehr gute Entwicklerdokumentation
- ▶ Hilfreiche Fehlermeldungen
- ▶ Gutes Communitygefühl

Ausblick

- ▶ Lokalisierung

▶ **Status: Closed!**

Vielen Dank!

Christian Ress

