

Re: IPV6_TCLASS missing from ip6(4)

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2008-02/msg00226.html>

- *From:* Bruce M Simpson <bms@xxxxxxxxxxxxxxxx>
 - *Date:* Thu, 21 Feb 2008 13:17:18 +0000
-

gnn@xxxxxxxxxxxx wrote:

At Wed, 20 Feb 2008 18:25:05 +0000,
Bruce M Simpson wrote:

I just noticed that whilst the socket code appears to support IPV6_TCLASS,
we don't document it.

I haven't raised a PR for this issue yet nor have I written a patch.

Please do both :-)

Done. TCLASS is in the synopsis, hasn't hit the database yet.

Here's the patch just in case.

[I really wish we used Bugzilla, I shouldn't have to go through the SMTP rigmarole... I can log into freefall, but that's a privileged position. Also, Mercurial does RSS feeds for commits like git does, further removing the need for vulnerable and messy SMTP...]

later

BMS

Index: src/share/man/man4/ip6.4

```
=====
RCS file: /home/ncvs/src/share/man/man4/ip6.4,v
retrieving revision 1.22
diff -u -p -r1.22 ip6.4
--- src/share/man/man4/ip6.4 29 Sep 2006 16:16:41 -0000 1.22
+++ src/share/man/man4/ip6.4 21 Feb 2008 13:06:20 -0000
@@ -30,7 +30,7 @@
.\"
.\" $FreeBSD: src/share/man/man4/ip6.4,v 1.22 2006/09/29 16:16:41 bms Exp $
.\"
-.Dd September 29, 2006
+.Dd February 21, 2008
.Dt IP6 4
.Os
```

Re: IPV6_TCLASS missing from ip6(4)

.Sh NAME

@@ -147,7 +147,6 @@ The following socket options are support

.It Dv IPV6_UNICAST_HOPS Fa "int *"

Get or set the default hop limit header field for outgoing unicast datagrams sent on this socket.

-A value of \-1 resets to the default value.

.\ " .It Dv IPV6_RECVOPTS Fa "int *"

.\ " Get or set the status of whether all header options will be

.\ " delivered along with the datagram when it is received.

@@ -312,6 +311,18 @@ The

routine and family of routines may be used to manipulate this data.

.Pp

This option requires superuser privileges.

+ .It Dv IPV6_TCLASS Fa "int *"

+ Get or set the value of the traffic class field used for outgoing datagrams on this socket.

+ The value must be between \-1 and 255.

+ A value of \-1 resets to the default value.

+ .It Dv IPV6_RECVTCLASS Fa "int *"

+ Get or set the status of whether the traffic class header field will be

+ provided as ancillary data along with the payload in subsequent

+ .Xr recvmsg 2

+ calls.

+ The header field is stored as a single value of type

+ .Vt int .

.It Dv IPV6_RTHDR Fa "int *"

Get or set whether the routing header from subsequent packets will be provided as ancillary data along with the payload in subsequent

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