

nftables

Traffic Shaping with nftables and tc

```
nft add map filter deucalion { type ipv4_addr : classid\; }
```

deucalion.nft

```
map deucalion {
    type ipv4_addr : classid;
    elements = { 1.1.1.2 : 2:2222, 1.1.1.3 : 3:3333 }
}

chain input {
    type filter hook input priority 0; policy accept;
    meta priority set ip daddr map @deucalion;
}
```

Patch

This patch is already merged upstream:

- <https://www.spinics.net/lists/netfilter/msg57694.html>
- <https://www.spinics.net/lists/netfilter/threads.html#57694>

nft-classid.patch

```
parser: allow classid as set key

From: Arturo Borrero Gonzalez <arturo@xxxxxxxxxxxxxx>

Allow TC classid as set key.

Signed-off-by: Arturo Borrero Gonzalez <arturo@xxxxxxxxxxxxxx>
---
src/parser_bison.y | 1 +
1 file changed, 1 insertion(+)

diff --git a/src/parser_bison.y b/src/parser_bison.y
index 7016f5b..2918875 100644
--- a/src/parser_bison.y
+++ b/src/parser_bison.y
@@ -1545,6 +1545,7 @@ type_identifier : STRING { $$ = $1; }
                | MARK { $$ = strdup("mark"); }
```

```
+      |      DSCP      { $$ = xstrdup("dscp"); }
      |      ECN       { $$ = xstrdup("ecn"); }
      |      CLASSID   { $$ = xstrdup("classid"); }
      ;

hook_spec      :      TYPE      STRING      HOOK      STRING
dev_spec      PRIORITY      prio_spec
```

From:
<https://wiki.spoje.net/> - **SPOJE.NET**

Permanent link:
<https://wiki.spoje.net/doku.php/howto/network/nftables?rev=1543438854>

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