

set protocols pimsm4 static-rps rp group-prefix hash-mask-len

The **set protocols pimsm4 static-rps rp group-prefix hash-mask-len** command configures the hash mask length of a static RP.

Command Syntax

```
set protocols pimsm4 static-rps rp <rp-address> group-prefix <IPv4Net> hash-mask-len <hash-length>
```

Parameter

Parameter	Description
rp <rp-address>	Specifies address of a static RP. The address is in dotted decimal notation.
group-prefix <IPv4Net>	Specifies the group prefix address served by the RP. The value is in the form of an IP address and prefix-length in the address/prefix-length format.
hash-mask-len <hash-length>	Specifies the hash mask length of a static RP. The value is an integer that ranges from 4 to 32. The default value is 30.

Usage Guidelines

When multiple C-RPs or static RPs is configured, a hash mask length can be used in the process of RP election:

1. The C-RP or static RP with highest priority wins.
2. If multiple C-RPs or static RPs have the same priority, the C-RP or static RP with the largest hash value wins.
3. If all the preceding factors are the same, the C-RP or static RP with the largest address wins.

Example

- Configure the hash mask length of a static RP to 15.

```
admin@Xorplus# set protocols pimsm4 static-rps rp 10.100.0.2 group-prefix 239.0.0.0/8 hash-mask-len 15
admin@Xorplus# commit
```