

set protocols pimsm4 bootstrap cand-bsr scope-zone cand-bsr-by-vif-addr

The **set protocols pimsm4 bootstrap cand-bsr scope-zone cand-bsr-by-vif-addr** command configures the IP address of a VLAN interface or loopback interface to use as the C-BSR in a multicast scope zone.

Command Syntax

set protocols pimsm4 bootstrap cand-bsr scope-zone *<IPv4Net>* **cand-bsr-by-vif-addr** *<IP-address>*

Parameter

Parameter	Description
scope-zone <i><IPv4Net></i>	Specifies a range of multicast scope zone that can serve on the C-BSR. The value can be any sub-range of 224.0.0.0/4.
cand-bsr-by-vif-addr <i><IP-address></i>	Specifies the IP address of a VLAN interface or loopback interface to use as the C-BSR. NOTE: To avoid frequent protocol changes caused by interface flapping, using loopback interfaces is recommended.

Usage Guidelines

One or more C-BSRs need to be configured in a PIM-SM domain. A BSR is elected from C-BSRs. When multiple C-BSRs take part in the BSR election in the PIM-SM domain, the priority and IP address of the C-BSRs are used to in the BSR election process:

1. If the C-BSRs have different priorities, the C-BSR with the highest priority (largest priority value) is elected as the BSR.
2. If the C-BSRs have the same priority, the C-BSR with the largest IP address is elected as the BSR.

Example

- Configure the IP address of a VLAN interface to use as the C-BSR in a multicast scope zone to 10.10.61.10.

```
admin@Xorplus# set protocols pimsm4 bootstrap cand-bsr scope-zone 239.0.0.0/8 cand-bsr-by-vif-addr 10.10.61.10
admin@Xorplus# commit
```