

Chapter 25

Multicast Statement

25.1 Multicast Statement Overview

The multicast statement is used to set interface-specific options such as time-to-live (TTL) thresholds and admin scope boundaries.

25.2 Multicast Statement Syntax

Scoped boundaries are configured by commands inside the **multicast** {} block. The syntax for the multicast block is:

```
multicast {  
    interface interface_list [ threshold number ] ;  
    boundary group-address  
        [ ( mask mask ) | ( masklen number ) ] interface_list;  
};
```

More detailed descriptions of these commands can be found on page 539 of the *GateD Command Reference Guide*.

25.3 Multicast Sample Configurations

```
multicast {  
    interface le1 threshold 16  
};
```

The example above configures interface le1 with a TTL threshold of 16.

```
multicast {  
    interface le1 threshold 16  
    boundary 225.255.0.0 masklen 16 le1;  
};
```

The example above configures interface le1 with a TTL threshold of 16, and sets a boundary for 225.255/16 on it.

```
multicast {  
    interface le1 threshold 16  
};
```

The example above configures interface `le1` with a TTL threshold of 16, and forces GateD to act as if downstream members of group 239.1.2.3 exist on that interface.

25.4 Multicast Statement Defaults

The defaults for multicast are on a per-interface basis. The default value for TTL is 1.