

Chapter 21

Multicast Statement

boundary

Name

boundary - configures administratively scoped group boundaries on the indicated interface(s)

Syntax

```
boundary group-address [ ( mask mask ) | ( masklen number ) ]  
interface_list
```

Parameters

group-address - a multicast group address which, when combined with **mask** or **masklen**, specifies the set of multicast groups for which administrative boundaries are to be configured

mask *mask* - a netmask in dotted-quad notation, which, when combined with *group-address*, specifies the set of multicast groups for which administrative boundaries are to be configured.

masklen *number* - an alternative method for specifying the mask associated with *group-address*. In this method, the mask length is specified in bits.

interface_list - one or more interface names, including wildcard names (names without a number) and names that may specify more than one interface or address, or the token **a11** for all interfaces

Description

boundary is used to configure administratively scoped group boundaries on the indicated interface(s).

Defaults

none

Context

multicast statement

Examples

The example below configures interface `le1` with a time-to-live (TTL) threshold of 16 and sets a boundary for 225.255/16 on it.

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

See Also

`multicast` on page 548

interface

Name

interface - used to specify TTL thresholds

Syntax

```
interface interface_list [ threshold number ]
```

Parameters

interface_list - one or more interface names, including wildcard names (names without a number) and names that may specify more than one interface or address, or the token **all** for all interfaces

threshold *number* - number to indicate TTL for packet

Description

On multicast capable interfaces, **interface** is used to specify TTL thresholds and rate limits.

Defaults

```
interface interface_list threshold 1
```

Context

multicast statement

Examples

```
multicast {  
    interface le1 threshold 16  
    join 239.1.2.3 le1;  
};
```

See Also

multicast on page 548

multicast

Name

`multicast` - overrides default multicast options

Syntax

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

Parameters

`interface` - used to specify TTL thresholds

`boundary` - configures administratively scoped group boundaries on the indicated interface(s)

Description

The `multicast` statement is not required for multicast routing to work. It is used only for overriding default options.

Defaults

none

Context

global statement

Examples

```
multicast {  
    interface le1 threshold 16  
    boundary 239.255.0.0 masklen 16 le1;  
};
```

See Also

"Multicast Statement" on page 123 in *Configuring GateD*