Chapter 22
Mstatic Statement

disable

Name

disable - disables the configuration information on the interfaces to which it refers

Syntax

```
disable ;
```

Parameters

Description

disable is used to disable a list of one or more interfaces. Its primary use is to disable a specific interface that might otherwise be enabled by a less specific interface reference.

Defaults

```
enable;
```

Context

mstatic interface statement

Examples

The example below configures group membership for 224.1.1.1 on all multicast-capable interfaces except for the interface named fxp0.

```
mstatic yes {
    interface all {
        join 224.1.1.1 ;
    };
    interface fxp0 {
        disable ;
    };
};
```

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See Also

enable on page 551

mstatic on page 554

enable

Name

enable - enables the configuration information on the interfaces to which it refers

Syntax

enable ;

Parameters

Description

enable is used to enable the configuration on a list of one or more interfaces. Because this is the default, it is not strictly required.

Defaults

enable;

Context

mstatic interface statement

Examples

```
mstatic yes {
    interface fxp0 {
        enable ;
        join 224.1.1.1;
    };
};
```

See Also

disable on page 549

mstatic on page 554

interface

Name

interface - specifies a list of one or more interfaces on which group membership information is to be configured

Syntax

interface *interface_list*

Parameters

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

Description

interface is used to specify a list of one or more interfaces on which group membership information is to be configured.

Defaults

The default is to have no interfaces configured.

Context

mstatic statement

Examples

The following example configures group membership information on three interfaces (fxp0, fxp1, and fxp2).

```
mstatic yes {
    interface fxp0 fxp1 fxp2 {
        join 224.1.1.1;
    };
};
```

See Also

mstatic on page 554

join

Name

join - configures group membership information on the indicated interfaces

Syntax

join *group-address* **;**

Parameters

group-address - a multicast group address that specifies a multicast group for which branches are to be grafted

Description

join is used to configure group membership information on the indicated interface(s). Because **join** prevents pruning, static joins should be used only in exceptional circumstances. Note that **join** does not cause GateD to join the indicated group(s) using, for example, IGMP. It only causes GateD to act as if downstream members are present and have joined the group.

Defaults

Context

mstatic interface statement

Examples

```
mstatic yes {
    interface le1 {
        join 239.1.2.3 ;
    };
};
```

See Also

mstatic on page 554

mstatic

Name

mstatic - configures group membership information on a set of interfaces

Syntax

```
mstatic yes | no {
    interface interface_list {
        [ enable | disable ; ]
        [ join group-address ; ]
    } ;
} ;
```

Parameters

interface - specifies a list of one or more interfaces on which group membership information is to be configured

enable | disable - enables or disables the configuration information on the interfaces to which it refers

join - configures group membership information

Description

The **mstatic** statement configures group membership information on a set of interfaces.

Defaults

Context

global statement

Examples

```
mstatic  yes {
    interface fxp0 {
        join 224.1.1.1 ;
    } ;
    interface fxp1 {
        join 224.1.1.1 ;
        join 225.1.1.1 ;
    } ;
};
```

See Also

"Mstatic Statement" on page 125 in *Configuring GateD*