

Table of Contents

Chapter 1 Fabric Commands	1-1
1.1 Fabric Commands.....	1-1
1.1.1 change self-unit.....	1-1
1.1.2 change unit-id.....	1-1
1.1.3 display ftm	1-3
1.1.4 display irf-fabric	1-3
1.1.5 fabric save-unit-id	1-4
1.1.6 set unit name.....	1-5
1.1.7 sysname	1-6

Chapter 1 Fabric Commands

1.1 Fabric Commands

1.1.1 change self-unit

Syntax

change self-unit to { 1 | auto-numbering }

View

System view

Parameter

self-unit:current unit

auto-numbering: change the unit ID automatically.

Description

Using the **change self-unit** command, you can change the unit ID of the current switch. By default, the unit ID of a switch is set to 1. A unit ID can be set to a value in the range from 1 to the maximum number of devices supported in IRF.

Example

Change the unit ID of current switch to 3.

```
[Quidway] change self-unit to 3
```

1.1.2 change unit-id

Syntax

change unit-id < 1-8 > to { < 1-8 > / auto-numbering }

View

System view

Parameter

< 1-8 >: Unit ID of the unit in a fabric

auto-numbering: Change the unit ID automatically.

Description

Using the **change unit-id** command, you can change the unit ID of a switch in the Fabric. By default, the unit ID of a switch is set to 1. A unit ID can be set to a value in the range from 1 to the maximum number of devices supported in IRF.

- If the modified unit ID does not exist in the fabric, the system sets its priority to 5 and saves it in the unit Flash memory.
- If the modified unit ID is an existing one, the system prompts you to confirm if you really want to change the unit ID. If you choose to change, the existing unit ID is replaced and the priority is set to 5. Then you can use the **fabric save-unit-id** command to save the modified unit ID into the unit Flash memory and clear the information about the existing one.
- If **auto-numbering** is selected, the system sets the unit ID priority to 10. You can use the **fabric save-unit-id** command to save the modified unit ID into the unit Flash memory and clear the information about the existing one.

For the related command, see **fabric save-unit-id**.

Example

Change the unit ID of the switch from 6 to 4.

```
<Quidway>display ftm topology-database
Total number of UNITs in fabric : 8, My CPU ID : 6
UID CPU-Mac          Prio Fabric-port Chips Mid   Pid A/M
1   00e0-fc00-5502 10   UP/DOWN      2    0/1   3   A
2   00e0-fc03-5502 10   UP/DOWN      2    2/3   3   A
3   00e0-fc04-5502 10   UP/DOWN      2    4/5   3   A
4   00e0-fc05-5502 10   UP/DOWN      2    6/7   3   A
5   00e0-fc06-5502 10   UP/DOWN      2    8/9   3   A
6   00e0-fc07-5502 10   UP/DOWN      2   10/11  3   A
7   00e0-fc04-6502 10   UP/DOWN      2   12/13  3   A
8   00e0-fc01-5502 10   UP/DOWN      2   14/15  5   A

[Quidway]change unit-id 6 to 4
The unit exists in fabric.
Continue? [Y/N] y
[Quidway]
%Apr  2 00:48:34:574 2000 Quidway FTM/3/DDPFLA:- 6 -Change unitid successful,
un
it 4 saved UnitID(4) in flash!
<Quidway>display ftm topology-database
Total number of UNITs in fabric : 8, My CPU ID : 4
UID CPU-Mac          Prio Fabric-port Chips Mid   Pid A/M
1   00e0-fc00-5502 10   UP/DOWN      2    0/1   3   A
2   00e0-fc03-5502 10   UP/DOWN      2    2/3   3   A
```

3	00e0-fc04-5502	10	UP/DOWN	2	4/5	3	A
6	00e0-fc05-5502	10	UP/DOWN	2	10/11	3	A
5	00e0-fc06-5502	10	UP/DOWN	2	8/9	3	A
4	00e0-fc07-5502	5	UP/DOWN	2	6/7	3	M
7	00e0-fc04-6502	10	UP/DOWN	2	12/13	3	A
8	00e0-fc01-5502	10	UP/DOWN	2	14/15	5	A

1.1.3 display ftm

Syntax

display ftm{ information / topology-database }

View

System view

Parameter

Information: display the information about FTM

topology-database: display the information of topology database about Fabric

Description

Using the **display ftm information** command, you can see the information about the protocol of FTM, including DDP state, unit id, Fabric state, fabric port.

display ftm topology-database display the information of topology database about Fabric

Example

```
# display the information about FTM
[Quidway] display ftm information
DDP state : HB STATE, gateway chip : 2, fabric port : DOWN, UP
UNIT ID: 1 (ddp-master)
DOWN port : link-down
UP port : link-down
Advertise: send 0, rcvd 0, invalid: 0. Advertise ACK: send 0, rcvd 0
Heart Beat: send 0, rcvd 0. Heart Beat ACK: send 0, rcvd 0
```

1.1.4 display irf-fabric

Syntax

display irf-fabric

View

Any view

Parameter

None.

Description

Using the **display irf-fabric** command, you can view the information of the entire fabric, including unit ID, unit name, operation mode, and the roll of a device (master or slave). If the fabric information is displayed on the Console port of a device, an asterisk (*) will be added to the unit ID of the current device.

Example

Display fabric information on the Console port of unit 2.

```
<Quidway> display irf-fabric
Fabric name(HostName): Quidway, Fabric authentication: md5
Fabric mode : L3, Fabric unit number: 2
Unit Name      Unit ID
First          1
Second        2(*)
```

1.1.5 fabric save-unit-id

Syntax

```
fabric save-unit-id
undo fabric save-unit-id
```

View

User view

Parameter

None

Description

Using the **fabric save-unit-id** command, you can save the unit ID of all units in a fabric into the unit Flash memory and sets their priority to 5. Using the **undo fabric save-unit-id** command, you can restore the unit ID of the units in a fabric.

Example

Save the unit ID of all units in a fabric to the unit Flash memory.

```
[Quidway]display ftm topology-database
```

```

Total number of UNITS in fabric : 8, My CPU ID : 4
UID CPU-Mac          Prio Fabric-port Chips Mid  Pid A/M
1   00e0-fc00-5502 10   UP/DOWN      2    0/1   3   A
4   00e0-fc03-5502 10   UP/DOWN      2    6/7   3   A
3   00e0-fc04-5502 10   UP/DOWN      2    4/5   3   A
6   00e0-fc05-5502 10   UP/DOWN      2   10/11  3   A
5   00e0-fc06-5502 10   UP/DOWN      2    8/9   3   A
2   00e0-fc07-5502 10   UP/DOWN      2    2/3   3   A
7   00e0-fc04-6502 10   UP/DOWN      2   12/13  3   A
8   00e0-fc01-5502 10   UP/DOWN      2   14/15  5   A

[Quidway]quit
<Quidway>fabric save-unit-id

The unit ID will be saved to the device.

Are you sure? [Y/N] y

%Apr  2 02:13:44:413 2000 3900 FTM/3/DDPFLA:- 4 -Save self unitid, unit 4 sav
ed UnitID(4) in flash!

Unit 1 saved unit ID successfully.
Unit 2 saved unit ID successfully.
Unit 3 saved unit ID successfully.
Unit 4 saved unit ID successfully.
Unit 5 saved unit ID successfully.
Unit 6 saved unit ID successfully.
Unit 7 saved unit ID successfully.
Unit 8 saved unit ID successfully.

<Quidway>display ftm topology-database

Total number of UNITS in fabric : 8, My CPU ID : 4
UID CPU-Mac          Prio Fabric-port Chips Mid  Pid A/M
1   00e0-fc00-5502 5    UP/DOWN      2    0/1   3   M
4   00e0-fc03-5502 5    UP/DOWN      2    6/7   3   M
3   00e0-fc04-5502 5    UP/DOWN      2    4/5   3   M
6   00e0-fc05-5502 5    UP/DOWN      2   10/11  3   M
5   00e0-fc06-5502 5    UP/DOWN      2    8/9   3   M
2   00e0-fc07-5502 5    UP/DOWN      2    2/3   3   M
7   00e0-fc04-6502 5    UP/DOWN      2   12/13  3   M
8   00e0-fc01-5502 5    UP/DOWN      2   14/15  5   M
    
```

1.1.6 set unit name

Syntax

set unit *unit-id* **name** *unit-name*

View

System view

Parameter

unit-id: Unit ID of a device.

unit-name: Unit name of a device. It is a string comprising 0 to 64 characters.

Description

You can use this command to set a name for a device.

Example

Set the name "hello" for the device with unit ID 1.

```
<Quidway> display IRF-fabric
Fabric name(HostName): Quidway, Fabric authentication: md5
Fabric mode : L3, Fabric unit number: 2
Unit Name      Unit ID
First          1
Second        2
[Quidway] set unit-id 1 name hello
<hello> display IRF-fabric
Fabric name(HostName): hello, Fabric authentication: md5
Fabric mode : L3, Fabric unit number: 2
Unit Name      Unit ID
Hello          1
Second        2
```

1.1.7 sysname

Syntax

sysname *sysname*

undo sysname

View

System view

Parameter

sysname: A string comprising 1 to 30 characters. By default, the fabric name of Ethernet switch is Quidway.

Description

Using the **sysname** command, you can change the name for the fabric where the current device belongs. The modification will affect the prompt character in the command line interface. For example, if the fabric name of the Ethernet switch is Quidway, the prompt character in user view is <Quidway>. Using the **undo sysname** command, you can restore the default fabric name.

Example

```
# Change the fabric name of the device to "hello".

<Quidway> display IRF-fabric
Fabric name(HostName): Quidway, Fabric authentication: md5
Fabric mode : L3, Fabric unit number: 2
Unit Name      Unit ID
First          1
Second         2

[Quidway] sysname hello
<hello> display IRF-fabric
Fabric name(HostName): hello, Fabric authentication: md5
Fabric mode : L3, Fabric unit number: 2
Unit Name      Unit ID
First          1
Second         2
```