

# Contents

Bulk configuring interfaces.....	1
About interface bulk configuration.....	1
Restrictions and guidelines: Bulk interface configuration.....	1
Procedure.....	2
Display and maintenance commands for bulk interface configuration.....	2

# Bulk configuring interfaces

## About interface bulk configuration

You can enter interface range view to bulk configure multiple interfaces with the same feature instead of configuring them one by one. For example, you can execute the **shutdown** command in interface range view to shut down a range of interfaces.

To configure interfaces in bulk, you must configure an interface range and enter its view by using the **interface range** or **interface range name** command.

The interface range created by using the **interface range** command is not saved to the running configuration. You cannot use the interface range repeatedly. To create an interface range that can be used repeatedly, use the **interface range name** command.

## Restrictions and guidelines: Bulk interface configuration

When you bulk configure interfaces in interface range view, follow these restrictions and guidelines:

- In interface range view, only the commands supported by the first interface in the specified interface list (alphabetically sorted) are available for configuration.
- Before you configure an interface as the first interface in an interface range, make sure you can enter the view of the interface by using the **interface** *interface-type* { *interface-number* | *interface-number.subnumber* } command.
- Do not assign both an aggregate interface and any of its member interfaces to an interface range. Some commands, after being executed on both an aggregate interface and its member interfaces, can break up the aggregation.
- Understand that the more interfaces you specify, the longer the command execution time.
- To guarantee bulk interface configuration performance, configure fewer than 1000 interface range names.

The device does not output prompt or alarm messages during the bulk interface configuration process. Make sure you are fully aware of the impacts of the bulk interface configuration.

- After a command is executed in interface range view, one of the following situations might occur:
  - The system displays an error message and stays in interface range view. This means that the execution failed on one or multiple member interfaces.
    - If the execution failed on the first member interface, the command is not executed on any member interfaces.
    - If the execution failed on a non-first member interface, the command takes effect on the remaining member interfaces.
  - The system returns to system view. This means that:
    - The command is supported in both system view and interface view.
    - The execution failed on a member interface in interface range view and succeeded in system view.
    - The command is not executed on the subsequent member interfaces.

You can use the **display this** command to verify the configuration in interface view of each member interface. In addition, if the configuration in system view is not needed, use the **undo** form of the command to remove the configuration.

## Procedure

1. Enter system view.  
**system-view**
2. Create an interface range and enter interface range view.
  - o Create an interface range without specifying a name.  
**interface range** { *interface-type interface-number* [ **to interface-type interface-number** ] } &<1-24>
  - o Create a named interface range.  
**interface range name** *name* [ **interface** { *interface-type interface-number* [ **to interface-type interface-number** ] } &<1-24> ]
3. (Optional.) Display commands available for the first interface in the interface range.  
Enter a question mark (?) at the interface range prompt.
4. Use available commands to configure the interfaces.  
Available commands depend on the interface.
5. (Optional.) Verify the configuration.  
**display this**

## Display and maintenance commands for bulk interface configuration

Execute the **display** command in any view.

Task	Command
Display information about the interface ranges created by using the <b>interface range name</b> command.	<b>display interface range</b> [ <i>name name</i> ]