



## I Commands

---

This chapter describes the Cisco NX-OS commands that begin with I that are used to manage a Cisco Nexus 2000 Series Fabric Extender from a Cisco Nexus 6000 switch.

# install fex

To perform a nondisruptive preload and upgrade of Fabric Extenders (FEX) which are online with a switch, use the **install fex** command.

```
install fex {fex_id | fex_range}
```



## Note

You can use either a FEX ID, a FEX range, multiple FEX IDs or FEX ranges, or a combination of both FEX IDs and FEX ranges.

## Syntax Description

<i>fex_id</i>	Fabric Extender ID. The FEX ID ranges from 100 to 199.
<i>fex_range</i>	Fabric Extender range. The range is from 100 to 199.

## Command Default

None.

## Command Modes

EXEC mode.

## Command History

Release	Modification
7.1(4)N1(1)	This command was introduced.

## Usage Guidelines

We recommend to use the **install all** command to upgrade the FEX devices along with the switch.

Use the **install fex** command only when one or more FEX devices fail during a nondisruptive upgrade process executed using the **install all** command.

The install process executed using the **install fex** command will display the upgrade failure of that particular FEX devices but will continue the upgrade process for other remaining FEXs.



## Note

These are the two uses cases for the **install fex** command:

- For VPC topology, it is recommended to execute the **install fex** command after upgrading both the switches, and should be executed for FEX devices that failed to upgrade. Although the **install fex** command can be used after upgrading the first switch, but it is less recommended.
- For straight through single-homed FEX topology, execute the **install fex** command only after the switch upgrade.

## Examples

This example shows how to do the install process for a specific FEX ID:

```
switch# install fex 120
switch#
```

This example shows how to do the install process for a FEX ID and a FEX range:

```
switch# install fex 120, 130-145  
switch#
```

This example shows how to do the install process for multiple FEX IDs and FEX ranges:

```
switch# install fex 120, 130-145, 148-155, 199  
switch#
```

---

**Related Commands**

<b>Command</b>	<b>Description</b>
<b>show fex</b>	Displays all configured Fabric Extender chassis connected to the switch.

---

