



StackWise Virtual Commands

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stackwise-virtual

To enable Cisco StackWise Virtual on a switch, use the **stackwise-virtual** command in the global configuration mode. To disable Cisco StackWise Virtual, use the **no** form of this command.

stackwise-virtual
no stackwise-virtual

Syntax Description	stackwise-virtual	Enables Cisco StackWise Virtual.
Command Default	Disabled.	
Command Modes	Global configuration (config)	
Command History	Release	Modification
	Cisco IOS XE Denali 16.3.3	This command was introduced.
	Cisco IOS XE Everest 16.6.1	This command was introduced.
Usage Guidelines	After disabling Cisco StackWise Virtual, the switches must be reloaded to unstack them.	

Example

The following example shows how to enable Cisco StackWise Virtual :

```
Device(config)# stackwise-virtual
```

domain id

To configure Cisco StackWise Virtual domain ID on a switch, use the **domain id** command in the StackWise Virtual configuration mode. To disable, use the **no** form of this command.

domain id
no domain id

Syntax	Description
domain	Associates StackWise Virtual configuration with a specific domain.
<i>id</i>	Value of the domain ID. The range is from 1 to 255. The default is one.

Command Default No domain ID is configured.

Command Modes StackWise Virtual configuration (config-stackwise-virtual)

Command History	Release	Modification
	Cisco IOS XE Denali 16.3.3	This command was introduced.
	Cisco IOS XE Everest 16.6.1	This command was introduced.

Usage Guidelines This command is optional. You must enable Stackwise Virtual, using the **stackwise-virtual** command, before configuring the domain ID.

Example

The following example shows how to enable Cisco StackWise Virtual and configure a domain ID:

```
Device(config)# stackwise-virtual
Device(config-stackwise-virtual)#domain 2
```

dual-active detection pagp

To enable PAgP dual-active detection, use the **dual-active detection pagp** command in the StackWise Virtual configuration mode. To disable PAgP dual-active detection, use the **no** form of the command.

dual-active detection pagp
no dual-active detection pagp

Syntax Description	dual-active detection pagp	Enables pagp dual-active detection.
Command Default	Enabled.	
Command Modes	StackWise Virtual configuration (config-stackwise-virtual)	
Command History	Release	Modification
	Cisco IOS XE Everest 16.6.1	This command was introduced.

Example:

The following example shows how to enable PAgP dual-active detection trust mode on channel-group:

```
Device(config)# stackwise-virtual
Device(config-stackwise-virtual)#dual-active detection pagp
Device(config-stackwise-virtual)#dual-active detection pagp trust channel-group 1
```

stackwise-virtual link

To associate an interface with configured StackWise Virtual link, use the **stackwise-virtual link** command in the interface configuration mode. To disassociate the interface, use the **no** form of the command.

stackwise-virtual link *link-value*
no stackwise-virtual link *link-value*

Syntax Description	stackwise-virtual link	Associates a 10-G or 40-G interface to StackWise Virtual link.
	<i>link value</i>	Domain ID configured for Cisco StackWise Virtual.
Command Default	Disabled.	
Command Modes	Interface configuration (config-if).	
Command History	Release	Modification
	Cisco IOS XE Denali 16.3.3	This command was introduced.
Command History	Release	Modification
	Cisco IOS XE Everest 16.6.1	This command was introduced.

Example:

This example shows how to associate a 40 Gigabit Ethernet interface with configured Stackwise Virtual Link (SVL):

```
Device(config)# interface FortyGigabitEthernet1/1/1
Device(config-if)#stackwise-virtual link 1
```

stackwise-virtual dual-active-detection

To configure an interface as dual-active-detection link, use the **stackwise-virtual dual-active-detection** command in the interface configuration mode. To disassociate the interface, use the **no** form of the command.

stackwise-virtual dual-active-detection
no stackwise-virtual dual-active-detection

Syntax Description	stackwise-virtual dual-active-detection	Enables Cisco StackWise Virtual dual-active-detection for the specified 10-G or 40-G interface.
Command Default	Disabled.	
Command Modes	Interface configuration (config-if)	
Command History	Release	Modification
	Cisco IOS XE Denali 16.3.3	This command was introduced.
	Cisco IOS XE Everest 16.6.1	This command was introduced.

Example:

The following example shows how to configure a 10 Gigabit Ethernet interface as Dual-Active-Detection link:

```
Device(config)# interface TenGigabitEthernet1/0/2
Device(config-if)#stackwise-virtual dual-active-detection
```

show stackwise-virtual

To display your Cisco StackWise Virtual configuration information, use the **show stackwise-virtual** command.

```
show stackwise-virtual { [switch [switch number <1-2>] {link | bandwidth | neighbors | dual-active-detection}}
```

Syntax Description		
	switch <i>number</i>	(Optional) Displays information of a particular switch in the stack.
	link	Displays Stackwise Virtual link information.
	bandwidth	Displays bandwidth availability for StackWise Virtual.
	neighbors	Displays Stackwise Virtual neighbors.
	dual-active-detection	Displays Stackwise-Virtual dual-active-detection information.

Command Default None

Command Modes Privileged EXEC (#)

Command History	Release	Modification
	Cisco IOS XE Denali 16.3.3	This command was introduced.
	Cisco IOS XE Everest 16.6.1	This command was introduced.

Example:

The following is a sample output from the **show stackwise-virtual** command:

```
Device# show stackwise-virtual

Stackwise Virtual: <Enabled/Disabled>
Domain Number:    <Domain Number>
Switch    Stackwise Virtual Link    Ports
-----
1         1                                Tengigabitethernet1/0/4
          2                                Tengigabitethernet1/0/5
2         1                                Tengigabitethernet2/0/4
          2                                Tengigabitethernet2/0/5
```

The following is a sample output from the **show stackwise-virtual link** command:

```
Device# show stackwise-virtual link
```

```

Stackwise Virtual Link (SVL) Information:
-----
Flags:
-----
Link Status
-----
U-Up D-Down
Protocol Status
-----
S-Suspended P-Pending E-Error T-Timeout R-Ready
-----
Switch   SVL     Ports                               Link-Status   Protocol-Status
-----
1         1       FortyGigabitEthernet1/1/1         U              R
2         1       FortyGigabitEthernet2/1/1         U              R

```

The following is a sample output from the **show stackwise-virtual bandwidth** command:

```
Device# show stackwise-virtual bandwidth
```

```

Switch  Bandwidth
1         160
2         160

```

The following is a sample output from the **show stackwise-virtual neighbors** command:

```
Device#show stackwise-virtual neighbors
```

```

Switch Number           Local Interface           Remote Interface
1                       Tengigabitethernet1/0/1  Tengigabitethernet2/0/1
                       Tengigabitethernet1/0/2  Tengigabitethernet2/0/2
2                       Tengigabitethernet2/0/1  Tengigabitethernet1/0/1
                       Tengigabitethernet2/0/2  Tengigabitethernet2/0/2

```

The following is a sample output from the **show stackwise-virtual dual-active-detection** command:

```
Device#show stackwise-virtual dual-active-detection
```

```
Stackwise Virtual Dual-Active-Detection (DAD) Configuration:
```

```

Switch Number           Dual-Active-Detection Interface
1                       Tengigabitethernet1/0/10
                       Tengigabitethernet1/0/11
2                       Tengigabitethernet2/0/12
                       Tengigabitethernet2/0/13

```

```
Stackwise Virtual Dual-Active-Detection (DAD) Configuration After Reboot:
```

```

Switch Number           Dual-Active-Detection Interface
1                       Tengigabitethernet1/0/10
                       Tengigabitethernet1/0/11
2                       Tengigabitethernet2/0/12
                       Tengigabitethernet2/0/13

```