StackWise Virtual Commands

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 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.
	id	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 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.
link value	Domain ID configured for Cisco StackWise Virtual.

Command Default   Disabled.

Command Modes   Interface configuration (config-if).

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 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 *number*	(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 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
```