

## How to enable STP via CLI command?



### Enable Spanning Tree via CLI command

```
(DWS-4024) (Config)#spanning-tree (Enable spanning-tree)
(DWS-4024) (Config)#spanning-tree mst priority 0 4096 (Change Bridge Priority to 4096)
(DWS-4024) (Config)#spanning-tree port mode all (Enable STP on all ports)
```



```
DES-3526:admin#enable stp (enable spanning tree)
```

#### [Setting on DWS-3000/4000]

**Enable Spanning Tree on all ports of WS, and also change Bridge Priority to 4096, so that DWS will be the “root bridge”.**

```
(DWS-4024) #clear config (set WS to factorydefault)
(DWS-4024) #configure (into Global Config mode)
(DWS-4024) (Config)#spanning-tree (Enable spanning-tree)
(DWS-4024) (Config)#spanning-tree mst priority 0 4096 (Change Bridge Priority to 4096)
(DWS-4024) (Config)#spanning-tree port mode all (Enable STP on all ports)
(DWS-4024) #write memory (write running config into start-up config)
```

---

#### **Or you can set Spanning Tree for specific port on WS.**

```
(DWS-4024) (Config)#interface 0/1
(DWS-4024) (Interface 0/1)#spanning-tree port mode (Enable STP on port 1)
(DWS-4024) (Interface 0/1)#exit
(DWS-4024) (Config)#interface 0/2
(DWS-4024) (Interface 0/2)#spanning-tree port mode (Enable STP on port 2)
(DWS-4024) (Interface 0/2)#exit
```

---

#### **Check Spanning Tree status**

```
(DWS-4024) #show spanning-tree summary
```

Spanning Tree Adminmode..... Enabled  
Spanning Tree Version..... IEEE 802.1s

...  
(DWS-4024) #show spanning-tree brief  
Bridge Priority..... 4096

...  
(DWS-4024) #show spanning-tree mst port summary 0 all

(DWS-4024) #show spanning-tree mst port summary 0 all

Interface	STP Mode	Type	STP State	Port Role	Desc
0/1	Enabled		Forwarding	Designated	
0/2	Enabled		Forwarding	Designated	
0/3	Enabled		Disabled	Disabled	
0/4	Enabled		Disabled	Disabled	
0/5	Enabled		Disabled	Disabled	

[Setting on DES-3526]

DES-3526:admin#reset system (reset DES-3526 to factorydefault)

DES-3526:admin#show switch (show SW info)

IP Address : 10.90.90.90 (Manual)

...  
DES-3526:admin#config ipif System ipaddress 10.90.90.89/8 (set static IP for SW)

DES-3526:admin#enable stp (enable spanning tree)

DES-3526:admin# show stp ports instance 0 (show all port STP status)

Port	Designated Bridge	IntrCost	ExtrCost	Pri	Edge	P2P	Hello	Status	Role
1	1000/000938273024	*200000	*200000	128	No	Yes	2	FWD	ROOT
2	1000/000938273024	*200000	*200000	128	No	Yes	2	BLOCK	ALT
3	N/A	*200000	*200000	128	No	Yes	2	DIS	DIS
4	8000/00195B72E8E9	*200000	*200000	128	No	Yes	2	FWD	DESG
5	N/A	*200000	*200000	128	No	Yes	2	DIS	DIS

Remove Ethernet cable 1 (WS\_Port1---DES\_Port1)

Port	Designated Bridge	IntrCost	ExtrCost	Pri	Edge	P2P	Hello	Status	Role
1	N/A	*200000	*200000	128	No	Yes	2	DIS	DIS
2	1000/000938273024	*200000	*200000	128	No	Yes	2	FWD	ROOT
3	N/A	*200000	*200000	128	No	Yes	2	DIS	DIS
4	N/A	*200000	*200000	128	No	Yes	2	DIS	DIS
5	N/A	*200000	*200000	128	No	Yes	2	DIS	DIS