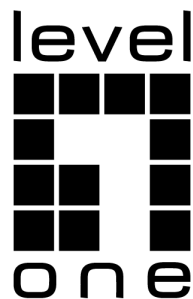# Best Virtual Switch System (BVSS) Configuration Commands

level
one

Topology

Configuration Switch A

Switch_config#bvss

Switch_config_bvss#

Switch_config_bvss#bvss enable

Switch_config_bvss#bvss mode normal

Switch_config_bvss#bvss domain-id 1

Switch_config_bvss#bvss member-id 1

Switch_config_bvss#bvss priority 200

Switch(config-bvss)#bvss interface 1 type TGigaEthernet port 1 group 1

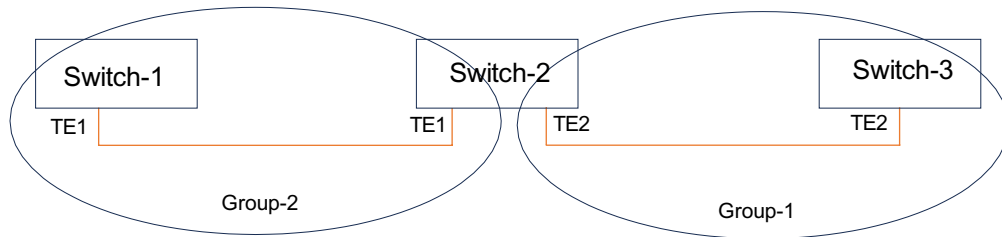Switch_config_bvss#exit

Switch#write bvss-config

Switch#reboot

Configuration Switch B

Switch_config#bvss

Switch_config_bvss#

Switch_config_bvss#bvss enable

Switch_config_bvss#bvss mode normal

Switch_config_bvss#bvss domain-id 1

Switch_config_bvss#bvss member-id 2

Switch_config_bvss#bvss priority 100

Switch(config-bvss)#bvss interface 1 type TGigaEthernet port 1 group 2

Switch_config_bvss#exit

Switch#write bvss-config

Switch#reboot

Topology

Configuration:

SW-1

SW-1_config#

SW-1_config#bvss

SW-1_config_bvss#bvss enable

SW-1_config_bvss#bvss mode enhanced

SW-1_config_bvss#bvss domain-id 1

SW-1_config_bvss#bvss member-id 1

SW-1_config_bvss#bvss priority 253

SW-1_config_bvss#bvss interface 1 type CGigaEthernet port 1 group 1

SW-1_config_bvss#exit

SW-1#write bvss-config

SW-1#reboot

SW-2

SW-2_config#

SW-2_config#bvss

SW-2_config_bvss#bvss enable

SW-2_config_bvss#bvss mode enhanced

SW-2_config_bvss#bvss domain-id 1

SW-2_config_bvss#bvss member-id 2

SW-2_config_bvss#bvss priority 252

SW-2_config_bvss#bvss interface 1 slot 0 port 1 group 2

SW-2_config_bvss#bvss interface 2 slot 0 port 2 group 1

SW-2_config_bvss#exit

SW-2#write bvss-config

SW-2#reboot

SW-3

SW-3_config_bvss#

SW-3_config_bvss#bvss enable

SW-3_config_bvss#bvss mode enhanced

SW-3_config_bvss#bvss domain-id 1

SW-3_config_bvss#bvss member-id 3

SW-3_config_bvss#bvss priority 251

SW-3_config_bvss#bvss interface 1 slot 0 port 1 group 2

SW-3_config_bvss#exit

SW-3#write bvss-config

SW-3#reboot

Result:

Switch#**show interface brief**

Port	Description	Status	Vlan	Duplex	Speed	Type
tg1/0/1		down	1	auto	auto	Giga-TX
tg1/0/2		down	1	auto	auto	Giga-TX
tg1/0/3		down	1	auto	auto	Giga-TX
tg1/0/4		down	1	auto	auto	Giga-TX
tg1/0/5		down	1	auto	auto	Giga-TX
tg1/0/6		down	1	auto	auto	Giga-TX
tg1/0/7		down	1	auto	auto	Giga-TX
tg1/0/8		down	1	auto	auto	Giga-TX
tg1/0/9		down	1	auto	auto	Giga-TX
tg1/0/10		down	1	auto	auto	Giga-TX
tg1/0/11		down	1	auto	auto	Giga-TX
tg1/0/12		down	1	auto	auto	Giga-TX
tg1/0/13		down	1	auto	auto	Giga-TX
tg1/0/14		down	1	auto	auto	Giga-TX
tg1/0/15		down	1	auto	auto	Giga-TX
tg1/0/16		down	1	auto	auto	Giga-TX
tg1/0/17		down	1	auto	auto	Giga-TX
tg1/0/18		down	1	auto	auto	Giga-TX
tg1/0/19		down	1	auto	auto	Giga-TX
tg1/0/20		down	1	auto	auto	Giga-TX
tg1/0/21		down	1	auto	auto	Giga-TX
tg1/0/22		down	1	auto	auto	Giga-TX
tg1/0/23		down	1	auto	auto	Giga-TX
tg1/0/24		down	1	auto	auto	Giga-TX
tg2/0/1		down	1	auto	auto	Giga-TX
tg2/0/2		down	1	auto	auto	Giga-TX
tg2/0/3		down	1	auto	auto	Giga-TX
tg2/0/4		down	1	auto	auto	Giga-TX
tg2/0/5		down	1	auto	auto	Giga-TX
tg2/0/6		down	1	auto	auto	Giga-TX
tg2/0/7		down	1	auto	auto	Giga-TX

tg2/0/8	down	1	auto	auto	Giga-TX
tg2/0/9	down	1	auto	auto	Giga-TX
tg2/0/10	down	1	auto	auto	Giga-TX
tg2/0/11	down	1	auto	auto	Giga-TX
tg2/0/12	down	1	auto	auto	Giga-TX
tg2/0/13	down	1	auto	auto	Giga-TX
tg2/0/14	down	1	auto	auto	Giga-TX
tg2/0/15	down	1	auto	auto	Giga-TX
tg2/0/16	down	1	auto	auto	Giga-TX
tg2/0/17	down	1	auto	auto	Giga-TX
tg2/0/18	down	1	auto	auto	Giga-TX
tg2/0/19	down	1	auto	auto	Giga-TX
tg2/0/20	down	1	auto	auto	Giga-TX
tg2/0/21	down	1	auto	auto	Giga-TX
tg2/0/22	down	1	auto	auto	Giga-TX
tg2/0/23	down	1	auto	auto	Giga-TX
tg2/0/24	down	1	auto	auto	Giga-TX
tg3/0/1	down	1	auto	auto	Giga-TX
tg3/0/2	down	1	auto	auto	Giga-TX
tg3/0/3	down	1	auto	auto	Giga-TX
tg3/0/4	down	1	auto	auto	Giga-TX
tg3/0/5	down	1	auto	auto	Giga-TX
tg3/0/6	down	1	auto	auto	Giga-TX
tg3/0/7	down	1	auto	auto	Giga-TX
tg3/0/8	down	1	auto	auto	Giga-TX
tg3/0/9	down	1	auto	auto	Giga-TX
tg3/0/10	down	1	auto	auto	Giga-TX
tg3/0/11	down	1	auto	auto	Giga-TX
tg3/0/12	down	1	auto	auto	Giga-TX
tg3/0/13	down	1	auto	auto	Giga-TX
tg3/0/14	down	1	auto	auto	Giga-TX
tg3/0/15	down	1	auto	auto	Giga-TX
tg3/0/16	down	1	auto	auto	Giga-TX
tg3/0/17	down	1	auto	auto	Giga-TX
tg3/0/18	down	1	auto	auto	Giga-TX
tg3/0/19	down	1	auto	auto	Giga-TX
tg3/0/20	down	1	auto	auto	Giga-TX
tg3/0/21	down	1	auto	auto	Giga-TX
tg3/0/22	down	1	auto	auto	Giga-TX
tg3/0/23	down	1	auto	auto	Giga-TX
tg3/0/24	down	1	auto	auto	Giga-TX
ttg1/0/1	up	1	full	10000Mb	10Giga-FX-SFP
ttg1/0/2	down	1	full	10000Mb	10Giga-FX
ttg1/0/3	down	1	full	10000Mb	10Giga-FX
ttg1/0/4	down	1	full	10000Mb	10Giga-FX
ttg2/0/1	up	1	full	10000Mb	10Giga-FX-SFP
ttg2/0/2	up	1	full	10000Mb	10Giga-FX-SFP
ttg2/0/3	down	1	full	10000Mb	10Giga-FX
ttg2/0/4	down	1	full	10000Mb	10Giga-FX
ttg3/0/1	up	1	full	10000Mb	10Giga-FX-SFP
ttg3/0/2	down	1	full	10000Mb	10Giga-FX
ttg3/0/3	down	1	full	10000Mb	10Giga-FX
ttg3/0/4	down	1	full	10000Mb	10Giga-FX

#Show bvss management

```
File  Edit  Setup  Control  Window  Help
Switch#
Switch#show bvss management
bvss member 2 management information:
 active member: 2, standby member: 1
 lgroup: 2, rgroup: 1
 internal topology:0 , global topology: LINE-TOPO
Switch#
```

#Show bvss link

```
File  Edit  Setup  Control  Window  Help
Switch#
Switch#show bvss link

Member 2
 Group        Interface            Peer-Interface        Status
 1            tg2/0/2              tg3/0/2               Protocal-Up
 2            tg2/0/1              tg1/0/1               Protocal-Up

Switch#
```

#show bvss rnp

```
File  Edit  Setup  Control  Window  Help
Switch#
Switch#show bvss rnp

  RNP is running. CfgPri 150, SwitchType 0x1171, Slot 0
  System started, ignoreTimeoutCnt 3176
  DomainId 1, MemberId 2, LoopTopology 0, Merge 0, Master State
  MasterMemId 2, BackupMemId 1, MasterGlbMacAddr 0037.0000.11c9
  OldMasterMemberId 0, OldMasterWhile 0, txAdvPduCnt 3121
  lacpMad: OldActiveId 0, OldActiveWhile 0, ActiveWhile 0

  bvss link group 1 is usable, bvss link group 2 is usable.

  Pri info for member 1 (SwitchType 1171, slot 0):
     Priority 200, RunningTime 7797, MAC 0037.0000.11c9

  Pri info for member 2 (SwitchType 1171, slot 0):
     Priority 200, RunningTime 16015, MAC 0037.0000.001d

  Pri info for member 3 (SwitchType 1171, slot 0):
     Priority 100, RunningTime 11135, MAC 0037.0000.1960

Switch#
```