## iliilii U.

## Switch Configuration Example

```
no service pad
service tcp-keepalives-in
service tcp-keepalives-out
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
service call-home
platform punt-keepalive disable-kernel-core
hostname BRANCH-OFFICE-1-SWITCH
logging buffered 200000 informational
no logging console
enable secret 9
$14$Yx6K$tRVBAEQjDlBJoU$TqyiEmAysJ2PUq2O3SVVFeH5wnWi3VABKLXpqTcfniw
aaa new-model
!
aaa session-id common
clock timezone CET 1 0
clock summer-time CDT recurring last Sun Mar 2:00 last Sun Oct 3:00
switch 1 provision c93001-24p-4g
1
1
call-home
 ! If contact email address in call-home is configured as sch-smart-
licensing@cisco.com
! the email address configured in Cisco Smart License Portal will be used as
contact email address to send SCH notifications.
contact-email-addr sch-smart-licensing@cisco.com
profile "CiscoTAC-1"
 destination transport-method http
 no destination transport-method email
no ip source-route
no ip gratuitous-arps
ip name-server 10.0.1.125
!
login on-success log
```

```
!
!
!
!
vtp mode transparent
authentication critical recovery delay 2000
no device-tracking logging theft
password encryption aes
!
spanning-tree mode rapid-pvst
spanning-tree logging
spanning-tree portfast default
spanning-tree portfast bpdufilter default
spanning-tree extend system-id
spanning-tree vlan 1-4094 priority 8192
memory free low-watermark processor 134384
!
username local secret 9
$14$2Wai$3J4VqymhMKk5Q.$awqoIGmpy6rsnh5bevldpc10Ilr7gmjAIkkiphisRWk
redundancy
mode sso
transceiver type all
monitoring
vlan 101
vlan 102
name BACKOFFICE
vlan 113
name GUESTS
vlan 115
name SERVERS
vlan 116
name IPT
!
!
interface Port-channel1
 description Link to the core switch
 switchport mode trunk
interface GigabitEthernet0/0
```

```
vrf forwarding Mgmt-vrf
no ip address
 shutdown
negotiation auto
interface GigabitEthernet1/0/1
description ACCESS-POINTS
switchport access vlan 102
switchport mode access
switchport nonegotiate
 switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/2
 switchport access vlan 102
 switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/3
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/4
description ACCESS-POINTS
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/5
 switchport access vlan 102
 switchport mode access
 switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
 storm-control action trap
 spanning-tree portfast
```

```
interface GigabitEthernet1/0/6
 switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/7
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/8
 switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/9
 switchport access vlan 102
switchport mode access
 switchport nonegotiate
 switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/10
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/11
switchport access vlan 102
switchport mode access
 switchport nonegotiate
 switchport voice vlan 116
```

```
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
 storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/12
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/13
 switchport access vlan 102
switchport mode access
 switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
1
interface GigabitEthernet1/0/14
 switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
 storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/15
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/16
 switchport access vlan 102
switchport mode access
switchport nonegotiate
 switchport voice vlan 116
 storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/17
```

```
switchport access vlan 102
 switchport mode access
 switchport nonegotiate
 switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/18
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/19
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/20
 switchport access vlan 102
 switchport mode access
switchport nonegotiate
switchport voice vlan 116
 storm-control broadcast level pps 200 50
 storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/21
switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
storm-control broadcast level pps 200 50
storm-control multicast level pps 200 50
storm-control action trap
spanning-tree portfast
interface GigabitEthernet1/0/22
 switchport access vlan 102
switchport mode access
switchport nonegotiate
switchport voice vlan 116
 storm-control broadcast level pps 200 50
 storm-control multicast level pps 200 50
```

```
storm-control action trap
 spanning-tree portfast
interface GigabitEthernet1/0/23
 switchport mode trunk
 channel-group 1 mode on
interface GigabitEthernet1/0/24
 switchport mode trunk
 channel-group 1 mode on
interface GigabitEthernet1/1/1
interface GigabitEthernet1/1/2
interface GigabitEthernet1/1/3
interface GigabitEthernet1/1/4
interface AppGigabitEthernet1/0/1
 shutdown
interface Vlan1
 no ip address
shutdown
interface Vlan101
ip address 10.41.1.5 255.255.255.0
ip default-gateway 10.41.1.1
ip forward-protocol nd
ip tcp synwait-time 5
no ip http server
ip http authentication local
no ip http secure-server
ip ssh version 2
ip sla enable reaction-alerts
ip access-list standard 90
10 permit 10.0.12.1
 20 permit 172.16.128.3
 30 permit 10.0.1.85
 40 permit 10.0.22.99
 50 permit 10.0.220.100
 60 permit 10.0.1.230
 70 permit 10.219.5.0 0.0.0.255
 80 permit 10.0.24.0 0.0.0.255
 90 permit 10.1.200.0 0.0.0.255
 100 permit 10.0.255.0 0.255.0.255
 110 permit 10.0.254.0 0.255.0.255
 120 permit 10.0.251.0 0.255.0.255
 130 permit 10.41.0.0 0.0.255.7
 140 permit 172.16.128.0 0.0.1.255
 150 permit 10.0.11.0 0.0.0.7
 160 permit 10.77.110.0 0.0.0.7
```

```
ip access-list standard 91
10 permit 10.0.1.85
20 permit 10.219.5.0 0.0.0.255
tacacs-server directed-request
tacacs server ISE1
address ipv4 10.0.1.71
key 6 ]KefCaKDCb KQR^WJ_cMJRIARBcTIhR\OFJc_ggYa[SeK
tacacs server ISE2
address ipv4 10.0.1.72
key 6 AFGYWNBFAEDUDcUXXg`bOc`BEi\KaKQJNKSdLPEAGDEdb
radius-server deadtime 5
radius-server load-balance method least-outstanding batch-size 2
radius server ISE1
address ipv4 10.0.1.71 auth-port 1812 acct-port 1813
key 6 XN][O`bWNDJfAFeEAY`OLRUfRT]MGh^HPHECAAB
radius server ISE2
address ipv4 10.0.1.72 auth-port 1812 acct-port 1813
key 6 `giB\HJOT]S`Y aUIND\FN[[V[HOh[cgLdWbAAB
!
!
control-plane
service-policy input system-cpp-policy
banner login ^C
*** WARNING ***
This system can only be accessed by specifically authorized personnel.
Unauthorized access is prohibited and will be responded to.
^C
line con 0
exec-timeout 20 0
stopbits 1
line vty 0 4
access-class 90 in
authorization exec MANAGEMENT-AUTHORIZATION
login authentication MANAGEMENT-AUTHENTICATION
transport input ssh
line vty 5 15
access-class 90 in
authorization exec MANAGEMENT-AUTHORIZATION
login authentication MANAGEMENT-AUTHENTICATION
transport input ssh
ntp server 10.0.1.1
ntp server 10.0.1.2
!
!
```

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