



```
!--- *****  
!--- CONFIGURACION DE VTP SERVER/CLIENTE Y PUERTOS TRUNCALES  
!--- *****
```

```
!--- ===== SW1
```

```
ENABLE  
CONFIGURE TERMINAL  
    VTP MODE CLIENT  
    VTP VERSION 1  
    VTP DOMAIN G5  
    VTP PASSWORD G5  
EXIT
```

```
copy running-config startup-config
```

```
CONFIGURE TERMINAL  
    INTERFACE RANGE FASTETHERNET 0/1-9  
        SWITCHPORT MODE TRUNK  
        SWITCHPORT TRUNK ALLOWED VLAN ALL  
        no shutdown  
    EXIT  
EXIT
```

```
copy running-config startup-config
```

```
!--- ===== SW2
```

```
ENABLE  
CONFIGURE TERMINAL  
    VTP MODE SERVER  
    VTP VERSION 1  
    VTP DOMAIN G5  
    VTP PASSWORD G5  
EXIT
```

```
copy running-config startup-config
```

```
CONFIGURE TERMINAL
```



```
INTERFACE RANGE FASTETHERNET 0/1-9
    SWITCHPORT MODE TRUNK
    SWITCHPORT TRUNK ALLOWED VLAN ALL
    no shutdown
EXIT
EXIT

copy running-config startup-config

!--- ===== SW3
ENABLE
CONFIGURE TERMINAL
    VTP MODE CLIENT
    VTP VERSION 1
    VTP DOMAIN G5
    VTP PASSWORD G5
    no shutdown
EXIT
copy running-config startup-config

CONFIGURE TERMINAL
    INTERFACE RANGE FASTETHERNET 0/1-9
    SWITCHPORT MODE TRUNK
    SWITCHPORT TRUNK ALLOWED VLAN ALL
    no shutdown
EXIT
EXIT
copy running-config startup-config

!--- ===== SW4
ENABLE
CONFIGURE TERMINAL
    VTP MODE CLIENT
    VTP VERSION 1
    VTP DOMAIN G5
    VTP PASSWORD G5
    no shutdown
EXIT
copy running-config startup-config

CONFIGURE TERMINAL
    INTERFACE RANGE FASTETHERNET 0/1-9
    SWITCHPORT MODE TRUNK
```



```
SWITCHPORT TRUNK ALLOWED VLAN ALL
no shutdown
EXIT
EXIT
copy running-config startup-config

!--- ===== SW5
ENABLE
CONFIGURE TERMINAL
    VTP MODE CLIENT
    VTP VERSION 1
    VTP DOMAIN G5
    VTP PASSWORD G5
    no shutdown
EXIT
copy running-config startup-config

CONFIGURE TERMINAL
    INTERFACE RANGE FASTETHERNET 0/1-9
        SWITCHPORT MODE TRUNK
        SWITCHPORT TRUNK ALLOWED VLAN ALL
        no shutdown
    EXIT
EXIT
copy running-config startup-config
```

```
!--- *****
!--- CONFIGURACION DE VLAN
!--- *****
```

```
!--- ===== SW2

ENABLE
CONFIGURE TERMINAL
    VLAN 15
        NAME PRIMARIA15
    EXIT
    VLAN 25
```



```
NAME BASICOS25
EXIT
VLAN 35
NAME DIVERSIFICADO25
EXIT
EXIT
copy running-config startup-config

!--- *****
!--- AGREGAMOS LOS PUERTOS ACCESO A LOS ROUTERS
!--- *****

!--- ===== SW1
ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/10
        SWITCHPORT MODE ACCESS
        SWITCHPORT ACCESS VLAN 15
    EXIT
EXIT
copy running-config startup-config

!--- ===== SW2

ENABLE
CONFIGURE TERMINAL
    INTERFACE RANGE FASTETHERNET 0/10-11
        SWITCHPORT MODE ACCESS
        SWITCHPORT ACCESS VLAN 35
    EXIT
EXIT
copy running-config startup-config

!--- ===== SW3

ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/10
        SWITCHPORT MODE ACCESS
        SWITCHPORT ACCESS VLAN 35
```



```
EXIT
INTERFACE FASTETHERNET 0/11
  SWITCHPORT MODE ACCESS
  SWITCHPORT ACCESS VLAN 15
EXIT
INTERFACE FASTETHERNET 0/12
  SWITCHPORT MODE ACCESS
  SWITCHPORT ACCESS VLAN 25
EXIT
EXIT
copy running-config startup-config

!--- ===== SW4

ENABLE
CONFIGURE TERMINAL
  INTERFACE FASTETHERNET 0/10
    SWITCHPORT MODE ACCESS
    SWITCHPORT ACCESS VLAN 15
  EXIT
EXIT
copy running-config startup-config

!--- ===== SW5

ENABLE
CONFIGURE TERMINAL
  INTERFACE RANGE FASTETHERNET 0/10-11
    SWITCHPORT MODE ACCESS
    SWITCHPORT ACCESS VLAN 25
  EXIT
EXIT
copy running-config startup-config

!--- *****
!--- RAPID SPANNING-TREE
!--- *****
```



!--- ===== SW1

ENABLE

CONFIGURE TERMINAL

 SPANNING-TREE MODE RAPID-PVST

 EXIT

copy running-config startup-config

!--- ===== SW2

ENABLE

CONFIGURE TERMINAL

 SPANNING-TREE MODE RAPID-PVST

 EXIT

copy running-config startup-config

!--- ===== SW3

ENABLE

CONFIGURE TERMINAL

 SPANNING-TREE MODE RAPID-PVST

 EXIT

copy running-config startup-config

!--- ===== SW4

ENABLE

CONFIGURE TERMINAL

 SPANNING-TREE MODE RAPID-PVST

 EXIT

copy running-config startup-config

!--- ===== SW5

ENABLE

CONFIGURE TERMINAL

 SPANNING-TREE MODE RAPID-PVST

 EXIT

copy running-config startup-config

!--- *****

!--- PORT SECURITY

!--- *****

!--- ===== SW1

ENABLE

CONFIGURE TERMINAL

 INTERFACE FASTETHERNET 0/10

 SWITCHPORT PORT-SECURITY



```
SWITCHPORT PORT-SECURITY MAC-ADDRESS 0003.E4EE.1543
EXIT
EXIT
copy running-config startup-config

!--- ===== SW2

ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/10
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 00E0.F7D0.487C
    EXIT
EXIT
copy running-config startup-config

ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/11
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 0090.2B93.3C42
    EXIT
EXIT
copy running-config startup-config

!--- ===== SW3

ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/10
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 00D0.BCB1.B87A
    EXIT
EXIT
copy running-config startup-config

ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/11
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 0001.C790.672C
    EXIT
EXIT
```



copy running-config startup-config

```
ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/12
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 0004.9A12.659C
    EXIT
```

```
EXIT
copy running-config startup-config
```

!--- ===== SW4

```
ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/10
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 0001.C949.000C
    EXIT
```

```
EXIT
copy running-config startup-config
```

!--- ===== SW5

```
ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/10
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 0001.4300.4953
    EXIT
```

```
EXIT
copy running-config startup-config
```

```
ENABLE
CONFIGURE TERMINAL
    INTERFACE FASTETHERNET 0/11
        SWITCHPORT PORT-SECURITY
        SWITCHPORT PORT-SECURITY MAC-ADDRESS 00D0.978C.AABC
    EXIT
```

```
EXIT
copy running-config startup-config
```




```
!--- *****  
!--- OTROS COMANDOS  
!--- *****
```

```
SHOW RUNNING-CONFIG  
SHOW VTP STATUS  
show spanning-tree
```



Redes de computadoras 1 - Laboratorio
Escuela de Ciencias y Sistemas
Facultad de Ingeniería
Universidad de San Carlos de Guatemala

