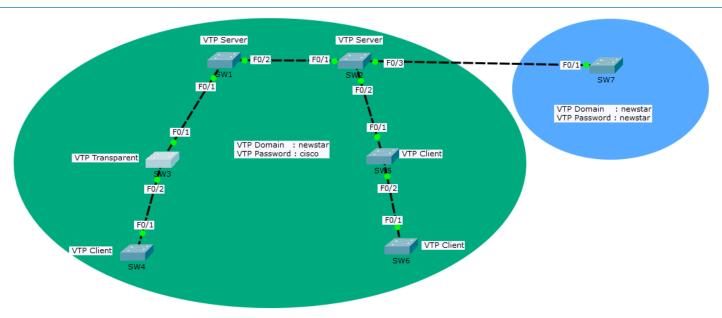
HƯỚNG DẪN LAB LAB 11 – VTP

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Sơ đồ LAB:



Yêu cầu

- Đấu nối và đặt tên thiết bị như sơ đồ
- Cấu hình trunk cho các kết nối giữa các switch
- Cấu hình VTP như sơ đồ

Thiết bị	VTP Domain	VTP Password	Vai trò
SW1	newstar	cisco	VTP Server
SW2	newstar	cisco	VTP Server
SW3	newstar	cisco	VTP Transparent
SW4	newstar	cisco	VTP Client
SW5	newstar	cisco	VTP Client
SW6	newstar	cisco	VTP Client
SW7	newstar	newstar	VTP Client

• Thử tạo/sửa/xóa vlan trên các switch và quan sát ảnh hưởng của VTP

Các bước thực hiện

Bước 1: Đấu nối và đổi tên thiết bi như sơ đồ.

Bước 2: Cấu hình trunk trên các switch

```
SW1
SW1(config) #interface range F0/1-2
SW1(config-if-range)#switchport mode trunk
Kiểm tra:
SW1#show interfaces trunk
                    Encapsulation Status
                                               Native vlan
Port
         Mode
Fa0/1
                       802.1q trunking
          on
                                                  1
                       802.1q
Fa0/2
                                    trunking
          on
          Vlans allowed on trunk
Port
Fa0/1
           1-1005
           1-1005
Fa0/2
           Vlans allowed and active in management domain
Port
Fa0/1
           1
Fa0/2
Port
           Vlans in spanning tree forwarding state and not pruned
Fa0/1
           none
Fa0/2
           none
```

```
SW2 (config) #interface range F0/1-3
SW2 (config-if-range) #switchport mode trunk

Kiểm tra:
SW2#show interfaces trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	1
Fa0/2	on	802.1q	trunking	1
Fa0/3	on	802.1q	trunking	1
Port	Vlans allowe	d on trunk		
Fa0/1	1-1005			
Fa0/2	1-1005			
Fa0/3	1-1005			
Port	Vlans allowe	d and active in	management do	omain
Fa0/1	1		_	
Fa0/2	1			
Fa0/3	1			
Port	Vlans in spa	nning tree forw	arding state a	and not pruned
Fa0/1	1			
Fa0/2	none			
Fa0/3	none			

	SW3					
SW3(config)	#interface ra	ange F0/1-2				
SW3(config-	-if-range)# sw :	itchport mode tr	runk			
Kiểm tra:						
SW3#show in	terfaces tru	nk				
Port	Mode	Encapsulation	Status	Native vlan		
Fa0/1	on	802.1q	trunking	1		
Fa0/2	on	802.1q	trunking	1		

	Vlans allowe	ed on trunk				
Fa0/1						
Fa0/2	1-1005					
Port	Vlans allowe	ed and active in	management	domain		
Fa0/1	1	Ja ana accinc in	. marragemerre	40411		
Fa0/2	1					
Port	Port Vlans in spanning tree forwarding state and not pruned					
Fa0/1	1	-	-	-		
Fa0/2	none					

			SW4		
	#interface F0				
SW4(config-	·if) #switchpor	t mode trunk			
Kiểm tra:					
	terfaces trun	k			
Port	Mode	Encapsulation	Status	Native vlan	
Fa0/1	on	802.1q	trunking	1	
Port Fa0/1					
Port	Vlans allowe	d and active in	management do	omain	
Fa0/1					
Port	Vlans in spa	nning tree forw	arding state a	and not pruned	
Fa0/1	1				

	SW5					
	SW5(config)#interface range F0/1-2 SW5(config-if-range)#switchport mode trunk					
Kiểm tra:						
SW5#show i	nterfaces tru	nk				
Port	Mode	Encapsulation	Status	Native vlan		
Fa0/1	on	802.1q	trunking	1		
Fa0/2	on	802.1q	trunking	1		
Port	Vlans allow	ed on trunk				
Fa0/1	1-1005					
Fa0/2	1-1005					
Port	Vlans allow	red and active in	management	domain		
Fa0/1	1					
Fa0/2	1					
Port	Port Vlans in spanning tree forwarding state and not pruned					
Fa0/1	1					
Fa0/2	none					

	SW6						
	<pre>#interface F0 if) #switchpor</pre>						
Swo (coning	11) #SWICCIPOL	c mode crunk					
Kiểm tra:							
	terfaces trun						
	Mode	Encapsulation		Native vlan			
Fa0/1	on	802.1q	trunking	1			
Port	Vlans allowe	d on trunk					
Fa0/1	1-1005						
Port.	Vlans allowe	d and active in	management d	omain			
Fa0/1	3						
Port Vlans in spanning tree forwarding state and not pruned							
Port	-	nning tree forw	arding state a	and not pruned			
Fa0/1	1						

	SW7						
	SW7 (config) #interface F0/1 SW7 (config-if) #switchport mode trunk						
Kiểm tra: SW7# show i r	Kiểm tra: SW7#show interfaces trunk						
Port Fa0/1	Mode on	Encapsulation 802.1q		Native vlan 1			
Port Fa0/1							
Port Vlans allowed and active in management domain Fa0/1 1							
Port Fa0/1	Vlans in spa 1	nning tree forw	arding state	and not pruned			

Bước 3: Cấu hình VTP cho các switch

Cấu hình gồm 3 bước:

- Xác định VTP Domain
- Xác định VTP Password
- Xác định vai trò của Switch (là server, client hay transparent)

Có thể kiểm tra cấu hình bằng 2 lệnh:

- show vtp status
 - Configuration Revision : Revision numberVTP Operating Mode : vai trò của Switch
 - o VTP Domain Name: VTP Domain
 - MD5 Digest : VTP password đã bị mã hóa
- show vtp password : xem VTP password không mã hóa

```
SW1
SW1(config) #vtp domain newstar
SW1(config) #vtp password cisco
SW1(config) #vtp mode server
Kiểm tra:
SW1#show vtp status
VTP Version
                                    : 2
Configuration Revision : 0
Maximum VLANs supported locally: 255
Number of existing VLANs : 5
VTP Operating Mode
VTP Operating Mode

VTP Domain Name

: newstar

VTP Pruning Mode

: Disabled

VTP V2 Mode

: Disabled

VTP Traps Generation

: Disabled

: 0x83 0xA8 0xC4 0x33 0x3C 0x94 0x28 0x0B
                                    : Server
Local updater ID is 0.0.0.0 (no valid interface found)
SW1#show vtp password
VTP Password: cisco
```

```
SW2 (config) #vtp domain newstar
SW2 (config) #vtp password cisco
SW2 (config) #vtp mode server

Kiểm tra:
SW2#show vtp status
VTP Version : 2
Configuration Revision : 0
Maximum VLANs supported locally : 255
Number of existing VLANs : 5
VTP Operating Mode : Server
VTP Domain Name : newstar
VTP Pruning Mode : Disabled
VTP V2 Mode : Disabled
VTP Traps Generation : Disabled
```

```
MD5 digest : 0x83 0xA8 0xC4 0x33 0x3C 0x94 0x28 0x0B
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
Local updater ID is 0.0.0.0 (no valid interface found)

SW2#show vtp password
VTP Password: cisco
```

```
SW3
SW3 (config) #vtp domain newstar
SW3 (config) #vtp password cisco
SW3 (config) #vtp mode transparent
Kiểm tra:
SW3#show vtp status
VTP Version
                                     : 2
Configuration Revision : 0
Maximum VLANs supported locally: 255
Number of existing VLANs : 5

VTP Operating Mode : Transparent

VTP Domain Name : newstar

VTP Pruning Mode : Disabled

VTP V2 Mode : Disabled
VTP Traps Generation : Disabled : 0x83 0xA
MD5 digest
                                    : 0x83 0xA8 0xC4 0x33 0x3C 0x94 0x28 0x0B
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
SW3#show vtp password
VTP Password: cisco
```

```
SW4
SW4(config) #vtp domain newstar
SW4(config) #vtp password cisco
SW4 (config) #vtp mode client
Kiểm tra:
SW4#show vtp status
VTP Version
Configuration Revision : 0
Maximum VLANs supported locally: 255
Number of existing VLANs : 5
VTP Operating Mode
VTP Operating note
VTP Domain Name
VTP Pruning Mode
                                 : Client
                                 : newstar
                                 : Disabled
VTP V2 Mode : Disabled

VTP Traps Generation : Disabled

MD5 digest : 0x83 0xA8 0xC4 0x33 0x3C 0x94 0x28 0x0B
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
SW4#show vtp password
VTP Password: cisco
```

```
SW5
SW5(config) #vtp domain newstar
SW5(config) #vtp password cisco
SW5(config) #vtp mode client

Kiểm tra:
SW5#show vtp status
```

```
VTP Version
                               : 2
                        : 0
Configuration Revision
Maximum VLANs supported locally: 255
Number of existing VLANs : 5
VTP Operating Mode : Client
VTP Domain Name
                              : newstar
VTP Pruning Mode
VTP V2 Mode
                              : Disabled
                              : Disabled
VTP Traps Generation : Disabled
MD5 digest
                               : 0x83 0xA8 0xC4 0x33 0x3C 0x94 0x28 0x0B
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
SW5#show vtp password
VTP Password: cisco
```

```
SW6
SW6(config) #vtp domain newstar
SW6(config) #vtp password cisco
SW6(config) #vtp mode client
Kiểm tra:
SW6#show vtp status
VTP Version
                                     : 2
Configuration Revision : 0
Maximum VLANs supported locally: 255
Number of existing VLANs : 5

VTP Operating Mode : Client

VTP Domain Name : newstar

VTP Pruning Mode : Disabled
VTP Domain Name
VTP Pruning Mode
VTP V2 Mode
                                       : Disabled
VTP V2 Mode

VTP Traps Generation : Disabled

MD5 digest : 0x83 0xA8 0xC4 0x33 0x3C 0x94 0x28 0x0B
MD5 digest
Configuration last modified by 0.0.0.0 at 0-0-00 00:00:00
SW6#show vtp password
VTP Password: cisco
```

```
SW7
SW7(config) #vtp domain newstar
SW7(config) #vtp password newstar
SW7(config) #vtp mode client
Kiểm tra
SW7#show vtp status
Configuration Revision : 0
Maximum VLANs supported locally: 255
Number of existing VLANs : 5
VTP Operating Mode : Client
Number of existing value

VTP Operating Mode : Client
: newstar
VTP Domain Name
VTP Pruning Mode
VTP V2 Mode
                                 : Disabled
                                 : Disabled
VTP Traps Generation
                             : Disabled
                                 : 0xA4 0xC8 0x48 0x9F 0x87 0x33 0xE0 0x22
MD5 digest
SW7#show vtp password
VTP Password: newstar
```

Bước 4 : Tạo VLAN trên SW1 (VTP Server) và quan sát sự thay đổi trên các switch còn lại

		SW1	
SW1(d	config)# vlan 10 config-vlan)# exit config)# vlan 20 config-vlan)# exit		
Kiểm SW1#	tra: show vlan brief		
VLAN	Name	Status	Ports
1	default	active	Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2
10	VLAN0010	active	
	VLAN0020	active	
	fddi-default	active	
	token-ring-default	active	
	fddinet-default	active	
1005	trnet-default	active	

	SW2				
SW2#	show vlan brief				
VLAN	Name	Status	Ports		
1	default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2		
10	VLAN0010	active			
20	VLAN0020	active			
1002	fddi-default	active			
1003	token-ring-default	active			
1004	fddinet-default	active			
1005	trnet-default	active			

		SW3	
SW3#:	show vlan brief		
VLAN	Name	Status	Ports
1	default	active	Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2
1003	fddi-default token-ring-default fddinet-default	active active active	

1005 trnet-default	active	
1005 CINCC ACTABLE	accive	

		SW4	
SW4#s	show vlan brief		
VLAN	Name	Status	Ports
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2
	VLAN0010	active	-
-	VLAN0020	active	
	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

	SW5			
SW5#s	show vlan brief			
VLAN	Name	Status	Ports	
1	default	active	Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2	
10	VLAN0010	active		
20	VLAN0020	active		
1002	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		

		SW6	
SW6#s	show vlan brief		
VLAN	Name	Status	Ports
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2
	VLAN0010 VLAN0020	active active	
1002	fddi-default	active	
	token-ring-default	active	
	fddinet-default	active	
1005	trnet-default	active	

SW7			
SW7#show vlan brief			
VLAN Name	Status	Ports	
1 default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2	
1002 fddi-default	active		
1003 token-ring-default	active		
1004 fddinet-default	active		
1005 trnet-default	active		

Từ các output trên, có thể thấy:

- SW2 có VLAN 10 và VLAN 20, chứng tỏ VTP Server đồng bộ thông tin VLAN từ gói tin VTA.
- SW3 không có VLAN 10 và 20, chứng tỏ VTP Transparent không đồng bộ thông tin VLAN từ VTA.
- SW4 có VLAN 10 và 20, chứng tỏ
 - VTP Transparent (là SW3) trung chuyển VTA
 - VTP Client đồng bộ thông tin VLAN từ VTA
- SW5 có VLAN 10 và 20, chứng tỏ
 - o VTP Server (là SW2) trung chuyển VTA
 - VTP Client đồng bộ thông tin VLAN từ VTA
- SW6 có VLAN 10 và 20, chứng tỏ
 - O VTP Client (là SW5) trung chuyển VTA
 - VTP Client đồng bộ thông tin VLAN từ VTA
- SW7 không có VLAN 10 và 20, chứng tỏ
 - VTP password giữa SW2 và SW7 không khớp, nên SW2 không gửi VTA cho SW7

Bước 5: Tạo vlan trên SW3 (VTP Transparent) và quan sát sự thay đổi trên các switch còn lai

		SW3	
	config)# vlan 30		
SW3 (d	config-vlan) # exit		
Kiểm	tra		
_	show vlan brief		
VLAN	Name	Status	Ports
1	default	active	Fa0/3, Fa0/4, Fa0/5, Fa0/6
			Fa0/7, Fa0/8, Fa0/9, Fa0/10
			Fa0/11, Fa0/12, Fa0/13, Fa0/14
			Fa0/15, Fa0/16, Fa0/17, Fa0/18
			Fa0/19, Fa0/20, Fa0/21, Fa0/22
			Fa0/23, Fa0/24, Gig0/1, Gig0/2
30	VLAN0030	active	
1002	fddi-default	active	
1003	token-ring-default	active	

1004 fddinet-default	active	
1005 trnet-default	active	

	SW1			
SW1#	show vlan brief			
VLAN	Name	Status	Ports	
1	default	active	Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2	
10	VLAN0010	active		
20	VLAN0020	active		
1002	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		

		SW2	
SW2#s	show vlan brief		
VLAN	Name	Status	Ports
1	default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2
10	VLAN0010	active	
20	VLAN0020	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

	SW4			
SW4#	show vlan brief			
VLAN	Name	Status	Ports	
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2	
	VLAN0010 VLAN0020	active active	•	
	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		

	SW5			
SW5#:	show vlan brief			
VLAN	Name	Status	Ports	
1	default	active	Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2	
10	VLAN0010	active		
20	VLAN0020	active		
1002	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		

	SW6			
SW6#s	show vlan brief			
VLAN	Name	Status	Ports	
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2	
	VLAN0010 VLAN0020	active active		
1002	fddi-default	active		
1003	token-ring-default	active		
1004	fddinet-default	active		
1005	trnet-default	active		

Từ các output, có thể thấy:

• Các switch còn lại không hề có VLAN 30, chứng tỏ VTP Transparent không đồng bộ thông tin VLAN cho các switch khác.

Bước 6 : Tạo vlan trên SW4 (VTP Client) và quan sát sự thay đổi

```
SW4 (config) #vlan 40
VTP VLAN configuration not allowed when device is in CLIENT mode.
```

Log cho thấy SW4 không được phép tạo VLAN khi đang là VTP CLIENT.

Kiểm tra:

	SW4	
SW4#show vlan brief		
VLAN Name	Status	Ports

1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5
			Fa0/6, Fa0/7, Fa0/8, Fa0/9
			Fa0/10, Fa0/11, Fa0/12, Fa0/13
			Fa0/14, Fa0/15, Fa0/16, Fa0/17
			Fa0/18, Fa0/19, Fa0/20, Fa0/21
			Fa0/22, Fa0/23, Fa0/24, Gig0/1
			Gig0/2
10	VLAN0010	active	
20	VLAN0020	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

Output không hề có VLAN 40.

Bước 7: xóa vlan 10 trên SW2 (VTP Server) và quan sát sự thay đổi trên các switch còn lại

		SW2					
SW2(c	SW2(config)#no vlan 10						
Kiểm t SW2#s	ra: how vlan brief						
VLAN :	Name	Status	Ports				
1	default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2				
1002 1003 1004	VLAN0020 fddi-default token-ring-default fddinet-default trnet-default	active active active active active	, <u>5</u> , 5				

	SW1						
SW1#:	SW1#show vlan brief						
VLAN	Name		Status	Ports			
1	default		active	Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2			
-	VLAN0020		active				
	fddi-default		active				
	token-ring-default		active				
	fddinet-default		active				
1005	trnet-default		active				
SW1#s	SW1#show vtp status						
VTP V	Version	: 2					
Conf	iguration Revision	: 5					

```
Maximum VLANs supported locally: 255

Number of existing VLANs : 6

VTP Operating Mode : Server

VTP Domain Name : newstar

VTP Pruning Mode : Disabled

VTP V2 Mode : Disabled

VTP Traps Generation : Disabled

MD5 digest : 0x43 0xEC 0xAB 0xCA 0x2B 0x03 0x4A 0xDE

Configuration last modified by 0.0.0.0 at 3-1-93 01:03:49

Local updater ID is 0.0.0.0 (no valid interface found)
```

SW3							
SW2#show vlan brief							
VLAN Name	Status	Ports					
1 default	active	Fa0/4, Fa0/5, Fa0/6, Fa0/7 Fa0/8, Fa0/9, Fa0/10, Fa0/11 Fa0/12, Fa0/13, Fa0/14, Fa0/15 Fa0/16, Fa0/17, Fa0/18, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1, Gig0/2					
40 VLAN0040	active						
1002 fddi-default	active						
1003 token-ring-default	active						
1004 fddinet-default	active						
1005 trnet-default	active						
SW3#show vtp status							
VTP Version	: 2						
Configuration Revision	: 0						
Maximum VLANs supported locally	: 255						
Number of existing VLANs	: 6						
VTP Operating Mode	: Transparent						
	: newstar						
VTP Pruning Mode							
	: Disabled						
VTP Traps Generation							
5		4 0x33 0x3C 0x94 0x28 0x0B					
Configuration last modified by							
Local updater ID is 0.0.0.0 (no	valid interface	found)					

	SW4						
SW4#	SW4#show vlan brief						
VLAN	Name	Status	Ports				
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2				
1002 1003 1004	VLAN0020 fddi-default token-ring-default fddinet-default trnet-default	active active active active active					

```
SW4#show vtp status

VTP Version : 2

Configuration Revision : 5

Maximum VLANs supported locally : 255

Number of existing VLANs : 6

VTP Operating Mode : Client

VTP Domain Name : newstar

VTP Pruning Mode : Disabled

VTP V2 Mode : Disabled

VTP Traps Generation : Disabled

MD5 digest : 0x43 0xEC 0xAB 0xCA 0x2B 0x03 0x4A 0xDE

Configuration last modified by 0.0.0.0 at 3-1-93 01:03:49
```

			SWS	5	
SW5#show vlan brief					
VLAN	Name		Status	5	Ports
1	default		active		Fa0/3, Fa0/4, Fa0/5, Fa0/6 Fa0/7, Fa0/8, Fa0/9, Fa0/10 Fa0/11, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/18 Fa0/19, Fa0/20, Fa0/21, Fa0/22 Fa0/23, Fa0/24, Gig0/1, Gig0/2
20	VLAN0020		active)	140, 20, 140, 21, 01g0, 1, 01g0, 2
1002	fddi-default		active	9	
1003	token-ring-default		active	9	
1004	fddinet-default		active	<u> </u>	
1005	trnet-default		active	9	
SW5#s	show vtp status				
VTP V	Version	:	2		
	iguration Revision		-		
Maxir	mum VLANs supported locally	:	255		
	er of existing VLANs				
	1 2		Client		
	Domain Name	-			
	3		Disabled		
VTP V		-	Disabled		
			Disabled		
	digest				AB 0xCA 0x2B 0x03 0x4A 0xDE
Confi	iguration last modified by ().(0.0.0 at 3-	-1-93	93 01:03:49

		SW6		
SW6#show vlan brief				
VLAN	Name	Status	Ports	
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5 Fa0/6, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/11, Fa0/12, Fa0/13 Fa0/14, Fa0/15, Fa0/16, Fa0/17 Fa0/18, Fa0/19, Fa0/20, Fa0/21 Fa0/22, Fa0/23, Fa0/24, Gig0/1 Gig0/2	
1002 1003 1004	VLAN0020 fddi-default token-ring-default fddinet-default trnet-default	active active active active active		

```
SW6#show vtp status

VTP Version : 2

Configuration Revision : 5

Maximum VLANs supported locally : 255

Number of existing VLANs : 6

VTP Operating Mode : Client

VTP Domain Name : newstar

VTP Pruning Mode : Disabled

VTP V2 Mode : Disabled

VTP Traps Generation : Disabled

MD5 digest : 0x43 0xEC 0xAB 0xCA 0x2B 0x03 0x4A 0xDE

Configuration last modified by 0.0.0.0 at 3-1-93 01:03:49
```

Từ các output có thể thấy:

- Số revision tăng lên
- VLAN 20 đã được xóa khỏi tất cả các switch (trừ SW3 là VTP Transparent)

Kết luận

	VTP Server	VTP Client	VTP Transparent
Khả năng tạo/sửa/xóa VLAN	✓		√ (chỉ local)
Đồng bộ thông tin VLAN	✓	✓	
Chuyển tiếp VTA	✓	✓	✓