Building	Command	Name	
	Config VLANs		
	vlan 495		
1	name B1F0	B1F0	
	vlan 496		
1	name B1F1	B1F1	
	vlan 497		
	name B1WF	B1WF	
	vlan 498		
	name B1DMZ	B1DMZ	
	vlan 499		
	name B1VIP	B1VIP	
	vlan 500		
	name B2F0	B2F0	
	vlan 501		
	name B2F1	B2F1	
	vlan 502		
2	name B2WF	B2WF	
	vlan 503		
	name B2DMZ	B2DMZ	
	vlan 504		
	name B2VIP	B2VIP	
	vlan 505		
	name B3F0	B3F0	
	vlan 506		
	name B3F1	B3F1	
	vlan 507		
	name B3WF	B3WF	
	vlan 508		
	name B3DMZ	B3DMZ	
	vlan 509 name B3VIP	D31///D	
- 3		B3VIP	
	vlan 510	D450	
4	name B4F0	B4F0	
	vlan 511	DAFA	
	name B4F1	B4F1	
	vlan 512		
4	name B4WF	B4WF	
	vlan 513	0.401.47	
4	name B4DMZ	B4DMZ	
L .	vlan 514	D 41 41 D	
4	name B4VIP	B4VIP	
_	vlan 515	DEEO	
5	name B5F0	B5F0	
-	vlan 516	B5F1	
	name B5F1	DOLT	
	vlan 517	DEWE	
	name B5WF	B5WF	
	vlan 518	DEDM7	
- 5	name B5DMZ	B5DMZ	
-	vlan 519	DEVIID	
	name B5VIP	B5VIP	
	vlan 520	DIDDC	
1	name B1BBC	B1BBC	

VTP
(do this for every
Switch except the server)

we enable configure termina vtp mode client exit

Equipment	Port	Port Number	Trunk Command	
	Ethernet0/1	0/1	interface Ethernet0/1	
			switchport mode trunk	
	Ethernet1/1	1/1	interface Ethernet1/1	
			switchport mode trunk	
	GigabitEthernet2/1	2/1	interface GigabitEthernet2/1	
			switchport mode trunk	
	GigabitEthernet3/1	3/1	interface GigabitEthernet3/1	
			switchport mode trunk	
	GigabitEthernet4/1	4/1	interface GigabitEthernet4/1	
MC			switchport mode trunk	
IVIC	GigabitEthernet5/1	5/1	interface GigabitEthernet5/1	
			switchport mode trunk	
	GigabitEthernet6/1	6/1	interface GigabitEthernet6/1	
			switchport mode trunk	
	GigabitEthernet7/1	7/1	interface GigabitEthernet7/1	
			switchport mode trunk	
	GigabitEthernet8/1	8/1	interface GigabitEthernet8/1	
			switchport mode trunk	
	GigabitEthernet9/1	9/1	interface GigabitEthernet9/1	
			switchport mode trunk	
	FastEthernet0/1	0/1	interface FastEthernet0/1	
			switchport mode trunk	
	FastEthernet1/1	1/1	interface FastEthernet1/1	
			switchport mode trunk	
	FastEthernet2/1	2/1	interface FastEthernet2/1	
			switchport mode access	
ICB1		498	switchport access vlan 498	
ICB1	FastEthernet3/1	3/1	interface FastEthernet3/1	
			switchport mode access	
		498	switchport access vlan 498	
	GigabitEthernet8/1	8/1	interface GigabitEthernet8/1	
			switchport mode trunk	
	GigabitEthernet9/1	9/1	interface GigabitEthernet9/1	
			switchport mode trunk	

Equipment	Port	Port Number/Vlan	VLAN Assignment to Ports Command
	FastEthernet0/1	0/1	interface FastEthernet0/1
	FastEthernet1/1	1/1	switchport mode trunk interface FastEthernet1/1
			switchport mode trunk
	FastEthernet2/1	2/1	interface FastEthernet2/1 switchport mode trunk
	FastEthernet3/1	3/1	interface FastEthernet3/1
			switchport mode trunk
	FastEthernet4/1	4/1	interface FastEthernet4/1 switchport mode trunk
HCB1F0	FastEthernet5/1	5/1	interface FastEthernet5/1
	FastEthernet6/1	6/1	switchport mode trunk interface FastEthernet6/1
			switchport mode trunk
	FastEthernet7/1	7/1	interface FastEthernet7/1 switchport mode access
		498	switchport access vlan 498
	FastEthernet8/1	8/1	interface FastEthernet8/1 switchport mode trunk
	FastEthernet9/1	9/1	interface FastEthernet9/1
	FastEthernet0/1	0/1	switchport mode trunk interface FastEthernet0/1
	Pastetherneto/1	0/1	switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1
		495	switchport mode access switchport access vlan 495
CP1.0.3	FastEthernet2/1	2/1	interface FastEthernet2/1
			no switchport mode access
1		499	switchport voice vlan 499
1	FastEthernet3/1	3/1	interface FastEthernet3/1 switchport mode access
		495	switchport access vlan 495
	FastEthernet0/1	0/1	interface FastEthernet0/1
	FastEthernet1/1	1/1	switchport mode trunk interface FastEthernet1/1
	,		switchport mode access
	FastEthernet2/1	495 2/1	switchport access vlan 495 interface FastEthernet2/1
CP1.0.4	rostenernetz/ 1	2/1	switchport mode access
		499	no switchport access vlan switchport voice vlan 499
	FastEthernet3/1	3/1	interface FastEthernet3/1
		495	switchport mode access
	FastEthernet0/1	0/1	switchport access vlan 495 interface FastEthernet0/1
			switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1 switchport mode access
		495	switchport access vlan 495
	FastEthernet2/1	2/1	interface FastEthernet2/1 switchport mode access
		497	switchport access vlan 497
	FastEthernet3/1	3/1	interface FastEthernet3/1
			no switchport mode access
	FastEthernet4/1	499 4/1	switchport voice vlan 499
	rastetilerilet4/1	4/1	interface FastEthernet4/1 switchport mode access
CP1.0.8	F4F4b4F /4	495	switchport access vlan 495
	FastEthernet5/1	5/1	interface FastEthernet5/1 switchport mode access
	F4F4h46 /4	495	switchport access vlan 495
	FastEthernet6/1	6/1	interface FastEthernet6/1 switchport mode access
		495	switchport access vlan 495
1	FastEthernet7/1	7/1	interface FastEthernet7/1 switchport mode access
		495	switchport access vlan 495
	FastEthernet8/1	8/1	interface FastEthernet8/1 switchport mode access
		495	switchport access vlan 495
	FastEthernet9/1	9/1	interface FastEthernet9/1 switchport mode access
		495	switchport access vlan 495
	FastEthernet0/1	0/1	interface FastEthernet0/1 switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1
		495	switchport mode access switchport access vlan 495
CP1.0.9	FastEthernet2/1	495 2/1	interface FastEthernet2/1
0. 1.0.9			switchport mode access
		499	no switchport access vlan switchport voice vlan 499
	FastEthernet3/1	3/1	interface FastEthernet3/1
<u> </u>		495	switchport mode access switchport access vlan 495
	FastEthernet0/1	0/1	interface FastEthernet0/1
	FastEthernet1/1	1/1	switchport mode trunk interface FastEthernet1/1
			switchport mode access
	FastEthernet2/1	495 2/1	switchport access vlan 495 interface FastEthernet2/1
CP1.0.10		-/-	switchport mode access
1		499	no switchport access vlan switchport voice vlan 499
	FastEthernet3/1	3/1	interface FastEthernet3/1
1			switchport mode access
		495	switchport access vlan 495

Equipment	Port	Port Number	VLAN Assignment to Ports Command
	FastEthernet0/1	0/1	interface FastEthernet0/1
	rustementetoy 2	0,1	switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1
	FastEthernet2/1	2/1	switchport mode trunk interface FastEthernet2/1
	PastEtileHiet2/1	2/1	switchport mode trunk
	FastEthernet3/1	3/1	interface FastEthernet3/1
			switchport mode trunk
	FastEthernet4/1	4/1	interface FastEthernet4/1
HCB1F1	FastEthernet5/1	5/1	switchport mode trunk interface FastEthernet5/1
	,		switchport mode access
		498	switchport access vlan 498
	FastEthernet6/1	6/1	interface FastEthernet6/1 switchport mode trunk
	FastEthernet7/1	7/1	interface FastEthernet7/1
			switchport mode trunk
	FastEthernet8/1	8/1	interface FastEthernet8/1
	FastEthernet9/1	9/1	switchport mode trunk interface FastEthernet9/1
	rustementets/1	3/1	switchport mode trunk
	FastEthernet0/1	0/1	interface FastEthernet0/1
	FastEthernet1/1	4./4	switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1 switchport mode access
		496	switchport access vlan 496
CP1.1.2	FastEthernet2/1	2/1	interface FastEthernet2/1
			switchport mode access
		499	no switchport access vlan switchport voice vlan 499
	FastEthernet3/1	3/1	interface FastEthernet3/1
			switchport mode access
		496	switchport access vlan 496
	FastEthernet0/1	0/1	interface FastEthernet0/1 switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1
			switchport mode access
		496	switchport access vlan 496
CP1.1.3	FastEthernet2/1	2/1	interface FastEthernet2/1 switchport mode access
			no switchport access vlan
		499	switchport access vlan 499
	FastEthernet3/1	3/1	interface FastEthernet3/1
		496	switchport mode access switchport access vlan 496
	FastEthernet0/1	0/1	interface FastEthernet0/1
			switchport mode trunk
	FastEthernet1/1	1/1	interface FastEthernet1/1
		496	switchport mode access switchport access vlan 496
	FastEthernet2/1	2/1	interface FastEthernet2/1
		497	switchport mode access
	FastEthernet3/1	3/1	switchport access vlan 497 interface FastEthernet3/1
	rastetilerilets/1	3/1	switchport mode access
			no switchport access vlan
		499	switchport voice vlan 499
	FastEthernet4/1	4/1	interface FastEthernet4/1
CD1 1 4		496	switchport mode access switchport access vlan 496
CP1.1.4	FastEthernet5/1	5/1	interface FastEthernet5/1
		400	switchport mode access
	FastEthernet6/1	496 6/1	switchport access vlan 496 interface FastEthernet6/1
	. ISLEGICITICEO/I		switchport mode access
		496	switchport access vlan 496
	FastEthernet7/1	7/1	interface FastEthernet7/1
		496	switchport mode access switchport access vlan 496
	FastEthernet8/1	8/1	interface FastEthernet8/1
			switchport mode access
	FastEthernet9/1	496 9/1	switchport access vlan 496 interface FastEthernet9/1
	· ascumenters/1		switchport mode access
		496	switchport access vlan 496
	FastEthernet0/1	0/1	interface FastEthernet0/1
	FastEthernet1/1	1/1	switchport mode trunk interface FastEthernet1/1
	. Satementer/1	1/1	switchport mode access
CP1.1.14		496	switchport access vlan 496
	FastEthernet2/1	2/1	interface FastEthernet2/1
CP1.1.14			
CP1.1.14			switchport mode access no switchport access vlan
CP1.1.14		499	no switchport access vlan switchport voice vlan 499
CP1.1.14	FastEthernet3/1	499 3/1	no switchport access vlan switchport voice vlan 499 interface FastEthernet3/1
CP1.1.14	FastEthernet3/1		no switchport access vlan switchport voice vlan 499

VLAN name	VLAN number	Default Router IP	Mask	Sub-interface (Main interface is GigabitEthernet0/1/0)
B1WF	497	172.18.184.1	255.255.255.128	GigabitEthernet0/1/0.3
B1DMZ	498	172.18.184.129	255.255.255.128	GigabitEthernet0/1/0.4
B1F1	496	172.18.185.1	255.255.255.128	GigabitEthernet0/1/0.2
B1F0	495	172.18.185.129	255.255.255.192	GigabitEthernet0/1/0.1
B1VIP	499	172.18.185.193	255.255.255.192	GigabitEthernet0/1/0.5
B1BBC	520	172.18.190.1	255.255.254.0	GigabitEthernet0/3/0.1
Distribution				GigabitEthernet0/1/0

Distribution

Commands:
config terminal
interface GigabitEthernett0/1/0.3
encapsulation dot1Q, 497
ip address 172.18.184.12 255.255.255.128
interface GigabitEthernet0/1/0.4
encapsulation dot1Q, 498
ip address 172.18.184.129 255.255.255.128
interface GigabitEthernet0/1/0.2
encapsulation dot1Q, 496
ip address 172.18.185.129 255.255.255.128
interface GigabitEthernet0/1/0.1
encapsulation dot1Q, 495
ip address 172.18.185.129 255.255.255.192
interface GigabitEthernet0/1/0.5
encapsulation dot1Q, 499
ip address 172.18.185.193 255.255.255.192
interface GigabitEthernet0/1/0.5
encapsulation dot1Q, 499
ip address 172.18.185.193 255.255.255.192
interface GigabitEthernet0/1/0.0
interface GigabitEthernet0/1/0.0
interface GigabitEthernet0/1/0
interface GigabitEthernet0/1/0
in oshutdown
exit
exit
show ip interface brief

Sub-interface Config	B1BBC	B#DMZ
RouterB1	config terminal interface GigabitEthernet0/1/0.6 encapsulation dot1Q 520 ip address 172.18.190.6 255.255.254.0	
RouterB2	config terminal interface GigabitEthernet0/3/0.1 encapsulation dot1Q 520 ip address 172.18.190.2 255.255.254.0	config terminal interface FastEthernet 0/0.4 encapsulation dot1Q 503 ip address 172.18.186.225 255.255.255.240
RouterB3	config terminal interface GigabitEthernet0/3/0.1 encapsulation dot1Q 520 ip address 172.18.190.3 255.255.254.0	config terminal interface FastEthernet 0/0.4 encapsulation dot1Q 508 ip address 172.18.187.1 255.255.255.192
RouterB4	config terminal interface GigabitEthernet0/3/0.1 encapsulation dot1Q 520 ip address 172.18.190.4 255.255.254.0	config terminal interface FastEthernet 0/0.4 encapsulation dot1Q 513 ip address 172.18.188.241 255.255.255.240
RouterB5	config terminal interface GigabitEthernet0/3/0.1 encapsulation dot1Q 520 ip address 172.18.190.5 255.255.254.0	config terminal interface FastEthernet 0/0.4 encapsulation dot10,518 ip address 172.18.189.225 255.255.255.224

RouterMC	config terminal juroute 172.18.190.6 jp route 172.18.190.6 jp route 172.18.1840.0 255.255.255.0 172.18.190.6 jp route 172.18.186.0 255.255.255.0 172.18.190.3 jp route 172.18.1870.255.255.255.0 172.18.190.3 jp route 172.18.188.0 255.255.255.0 172.18.190.4 jp route 172.18.188.0 255.255.255.0 172.18.190.5 exit
RouterB1	config terminal ip route 0.0.0.0 0.0.0.0 172.18.190.1
RouterB2	config terminal ip route 0.0.0.0 0.0.0.0 172.18.190.1
RouterB3	config terminal ip route 0.0.0.0 0.0.0.0 172.18.190.1
RouterB4	config terminal ip route 0.0.0.0 0.0.0.0 172.18.190.1
RouterB5	config terminal ip route 0.0.0.0 0.0.0.0 172.18.190.1

Formulas:				
interface GigabitEthernet0/1/0.3	encapsulation dot1Q 497	ip address 172.18.184.1 255.255.255.128		
interface GigabitEthernet0/1/0.4	encapsulation dot1Q 498	ip address 172.18.184.129 255.255.255.128		
interface GigabitEthernet0/1/0.2	encapsulation dot1Q 496	ip address 172.18.185.1 255.255.255.128		
interface GigabitEthernet0/1/0.1	encapsulation dot1Q 495	ip address 172.18.185.129 255.255.255.192		
interface GigabitEthernet0/1/0.5	encapsulation dot1Q 499	ip address 172.18.185.193 255.255.255.192		
interface GigabitEthernet0/3/0.1	encapsulation dot1Q 520	ip address 172.18.190.1 255.255.254.0		
interface GigabitEthernet0/1/0	no shutdown			
interface GigabitEthernet0/3/0	no shutdown			

B1BBC	520	172.18.190.1	255.255.25	GigabitEthernet0/3/0.1
B1F0	495	172.18.185.129	255.255.25	GigabitEthernet0/1/0.1
B1F1	496	172.18.185.1	255.255.25	GigabitEthernet0/1/0.2
B1WF	497	172.18.184.1	255.255.25	GigabitEthernet0/1/0.3
B1DMZ	498	172.18.184.129	255.255.25	GigabitEthernet0/1/0.4
B1VIP	499	172.18.185.193	255.255.25	GigabitEthernet0/1/0.5