

### VTP

|                                      |                                                                    |
|--------------------------------------|--------------------------------------------------------------------|
| vtp mode [client server transparent] | sets the vtp mode                                                  |
| vtp domain [name]                    | configure the domain (1 to 32 characters)                          |
| vtp password [password]              | set the password                                                   |
| show vtp status                      | verify your vtp entries                                            |
| show vtp password                    | verify vtp password                                                |
| a                                    |                                                                    |
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| a                                    | aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa-<br>aaaaaaaaaaaaaaaaaaaaaaaaaaaaa |
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| a                                    |                                                                    |

### Etherchannel

|                                                              |                                                                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| interface [int-id]                                           | go into interface                                                                                                                    |
| switchport mode [access trunk]                               | set type of port                                                                                                                     |
| channel-group [group number] mode [desirable active passive] | assign port to a channel group and specify the mode                                                                                  |
| interface port-channel [number]                              | Specify the port-channel logical interface, and enter interface configuration mode. For port - channel-number, the range is 1 to 48. |
| ip address [ip address]                                      | assign an ip address to the port                                                                                                     |
| show etherchannel summray                                    | verify the entries                                                                                                                   |
| interface range f0/1-2                                       | configure many ports at once                                                                                                         |

### VLAN

|                                        |                                                       |
|----------------------------------------|-------------------------------------------------------|
| vlan [vlan-id]                         | creates vlan with given number                        |
| name [name]                            | names the vlan                                        |
| no shut                                | enables the vlan                                      |
| no vlan [vlan-id]                      | deletes the vlan                                      |
| switchport access vlan [vlan-di]       | sets the int to the vlan                              |
| show vlan                              | detailed information about vlans                      |
| switchport trunk native vlan [vlan-id] | sets the native vlan                                  |
| switchport mode [access trunk]         | specifies that port is either on access or trunk mode |
| switchport mode dynamic desirable      | configure a dynamic trunk                             |
| show vlan brief                        | short summary of vlans                                |
| show vlan id[vlan-id]                  | shows specifc information of a vlan                   |
| delete vlan.dat                        | deltes the file that stores the vlan                  |

### DTP

|                                                       |                            |
|-------------------------------------------------------|----------------------------|
| switchport mode [access dynamic auto desirable trunk] | sets the mode of the port  |
| show dtp interface [interface]                        | determine current dtp mode |
| a                                                     |                            |
| a                                                     |                            |
| a                                                     |                            |
| a                                                     |                            |