

CCNP BCMSN Notes - VLAN Trunking Protocol

VTP modes: **Client** - Rely on VLAN information advertised by a server; no local configuration possible
Server - Have full control over VLAN creation and modification for the VTP domain
Transparent - Does not participate in VTP but will forward advertisements
VTP advertisements:
Summary - Sent every 300 seconds or whenever a change occurs
Subset - Sent after a summary advertisement when a change occurs; these provide more detail to reflect the change that was made
Advertisement Request - Issued by clients to request VLAN information
Pruning Request - Sent from clients to servers to announce active VLANs; inactive VLANs may be pruned from the trunk
VTP configuration:

```
-----  
Switch(config)# vtp mode {server | client | transparent}  
Switch(config)# vtp version {1 | 2}  
Switch(config)# vtp domain <domain>  
Switch(config)# vtp password <password>  
-----  
VTP pruning can be enabled with vtp pruning. Verification: show vtp status show vtp counters
```