How Cisco phone les	arns voice vlan							
How phone learns TFTP server								
What phone gets from TFTP		•						
How phone learns IP of call processing agent								
How phone learns default gateway								
Two possible call processing agents								
How phone gets DNS server								
How phone gets CUCM/CME TCP port								
Vendor neutral signaling protocol								
Cisco session signaling protocol								
L4 protocol atop UDP for audio stream								
Automatic side-effec	t of voice vlan							
Name of phone's con	nfig file on TFTP							
Name of file used if a	above not found							
# of hops an NTP se	rver is from atomic							
Protocol for phone to from CUCM / CMI	o get operating config E							
Standards	1	·	C	onfig Sources	6	TFTP	CUCM	/CME
802.3 af			1	Ring Tones				

802.3 af	
802.1 q	
Option 150	

Config Sources	TFTP	CUCM/CME
Ring Tones		
DN (directory numbers)		
Call Proc Server IP+port#		
Softkey layout		
Phone language		
Phone firmware version		

Acronyms

SCCP	
SIP	
CME	
CUCM	

Do it	
Create a VLAN Number it 10 Name it Voice 	
 Set up a switch interface for ip phone. Data on vlan 50 Phone audio on vlan 10 Interface ready quickly for fast- booting phones. 	
 DHCP on router 172.16.1.10 / 24255 gateway .1 DNS 4.2.2.2 TFTP 172.16.1.1 	
Command to forward DHCP requests to a non-local DHCP server	
where above command placed	
Set router's timezone to Pacific standard	
Tell router to use ntp server 64.209.21.2	
Tell to use Daylight Saving automatic	
Display NTP sources & statuses	
Make router an NTP master, stratum 4	
QoS Command Line	
Tell switchport to use Auto-Qos for an IP	phone
Tell switchport to use Auto-Qos for a PC Communicator software	with IP
Tell switchport to trust QoS markings cor from a router uplink	ning in

Quality of Service