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Introduction

Document for creating multiple sub-interfaces on Catalyst 6500 using TCL script.

Design

For creating 100 sub-interfaces using Vlan 2 to 101 with ip address 192.0.2.1 to 192.0.102.1/24

Configuration

Cat6k#tclsh (for going to the tcl shell)

Cat6k(tcl)#set ip 2 (here we are creating a variable for ip address and setting its value to 1)

Cat6k(tcl)#set vlan 2 (This variable is created for configuring vlan to be used by sub-interfaces)

Cat6k(tcl)#for { set i 1 } { \$i <= 100 } { incr i } { (starting a for loop from i = 1 to 100, inc i increments the value of i after each step)

Cat6k(tcl)#ios_config ?int g1/4.\$i? ?encapsulation dot1q \$vlan? ? ip address 192.0.\$ip.1 255.255.255.0? ?no shut? (Here we are giving the commands we want to run on config mode on the switch , each command in seperate double colons)

Cat6k(tcl)#incr ip; (incrementing the value of ip)

Cat6k(tcl)#incr vlan; (incrementing the value of vlan)

Cat6k(tcl)#} (closing the loop)

Related show Commands

This section provides information you can use to confirm your configuration is working properly.

show ip interface brief to verify the sub-interfaces and there ip addresses.