

## Contents

- [1 Introduction](#)
- [2 Design](#)
- [3 Configuration](#)
- [4 Related show Commands](#)

## 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.