Name: Mati ul Rehman

Class: SP20-BSE-B

Roll: SP20-BSE-042

VLAN Commands:

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| ########################################################################## [OK]  Restricted Rights Legend  Use, duplication, or disclosure by the Government is  subject to restrictions as set forth in subparagraph  (c) of the Commercial Computer Software - Restricted  Rights clause at FAR sec. 52.227-19 and subparagraph  (c) (1) (ii) of the Rights in Technical Data and Computer  Software clause at DFARS sec. 252.227-7013.  cisco Systems, Inc.  170 West Tasman Drive  San Jose, California 95134-1706  Cisco Internetwork Operating System Software  IOS (tm) C2950 Software (C2950-I6Q4L2-M), Version 12.1(22)EA4, RELEASE SOFTWARE(fc1)  Copyright (c) 1986-2005 by cisco Systems, Inc.  Compiled Wed 18-May-05 22:31 by jharirba  Cisco WS-C2950-24 (RC32300) processor (revision C0) with 21039K bytes of memory.  Processor board ID FHK0610Z0WC  Running Standard Image  24 FastEthernet/IEEE 802.3 interface(s)  63488K bytes of flash-simulated non-volatile configuration memory.  Base ethernet MAC Address: 0005.5ED1.0AA5  Motherboard assembly number: 73-5781-09  Power supply part number: 34-0965-01  Motherboard serial number: FOC061004SZ  Power supply serial number: DAB0609127D  Model revision number: C0  Motherboard revision number: A0  Model number: WS-C2950-24  System serial number: FHK0610Z0WC  Cisco Internetwork Operating System Software  IOS (tm) C2950 Software (C2950-I6Q4L2-M), Version 12.1(22)EA4, RELEASE SOFTWARE(fc1)  Copyright (c) 1986-2005 by cisco Systems, Inc.  Compiled Wed 18-May-05 22:31 by jharirba  Press RETURN to get started!  %LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up  %LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up  %LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up  Switch>  Switch>vl  Switch>en  Switch>enable  Switch#  Switch#conf  Switch#configure t  Switch#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Switch(config)#  Switch(config)#v  Switch(config)#vl  Switch(config)#vlan 42  Switch(config-vlan)#  Switch(config-vlan)#nam  Switch(config-vlan)#name Mati ul Rehman  ^  % Invalid input detected at '^' marker.  Switch(config-vlan)#name Mati  Switch(config-vlan)#  Switch(config-vlan)#  Switch(config-vlan)#exit  Switch(config)#  Switch(config)#  Switch(config)#exit  Switch#  %SYS-5-CONFIG\_I: Configured from console by console  Switch#show vlan  VLAN Name Status Ports  ---- -------------------------------- --------- -------------------------------  1 default active Fa0/1, Fa0/2, Fa0/3, Fa0/4  Fa0/5, Fa0/6, Fa0/7, Fa0/8  Fa0/9, Fa0/10, Fa0/11, Fa0/12  Fa0/13, Fa0/14, Fa0/15, Fa0/16  Fa0/17, Fa0/18, Fa0/19, Fa0/20  Fa0/21, Fa0/22, Fa0/23, Fa0/24  42 Mati active  1002 fddi-default active  1003 token-ring-default active  1004 fddinet-default active  1005 trnet-default active  VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2  ---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------  1 enet 100001 1500 - - - - - 0 0  42 enet 100042 1500 - - - - - 0 0  1002 fddi 101002 1500 - - - - - 0 0  1003 tr 101003 1500 - - - - - 0 0  1004 fdnet 101004 1500 - - - ieee - 0 0  1005 trnet 101005 1500 - - - ibm - 0 0  Switch#n  Switch#en  Switch#enable  Switch#  Switch#  Switch#conf  Switch#configure t  Switch#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Switch(config)#  Switch(config)#int  Switch(config)#interface fa  Switch(config)#interface r  Switch(config)#interface range fa  Switch(config)#interface range fastEthernet 0/2-3  Switch(config-if-range)#sw  Switch(config-if-range)#switchport mo  Switch(config-if-range)#switchport mode ac  Switch(config-if-range)#switchport mode access  Switch(config-if-range)#sw  Switch(config-if-range)#switchport ac  Switch(config-if-range)#switchport access vlan 42  Switch(config-if-range)#  Switch(config-if-range)#exit  Switch(config)#  Switch(config)#  Switch(config)#  Switch(config)#exit  Switch#  %SYS-5-CONFIG\_I: Configured from console by console  Switch#sho  Switch#show vlan  VLAN Name Status Ports  ---- -------------------------------- --------- -------------------------------  1 default active Fa0/1, Fa0/4, Fa0/5, Fa0/6  Fa0/7, Fa0/8, Fa0/9, Fa0/10  Fa0/11, Fa0/12, Fa0/13, Fa0/14  Fa0/15, Fa0/16, Fa0/17, Fa0/18  Fa0/19, Fa0/20, Fa0/21, Fa0/22  Fa0/23, Fa0/24  42 Mati active Fa0/2, Fa0/3  1002 fddi-default active  1003 token-ring-default active  1004 fddinet-default active  1005 trnet-default active  VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2  ---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------  1 enet 100001 1500 - - - - - 0 0  42 enet 100042 1500 - - - - - 0 0  1002 fddi 101002 1500 - - - - - 0 0  1003 tr 101003 1500 - - - - - 0 0  1004 fdnet 101004 1500 - - - ieee - 0 0  --More--  %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up  Switch con0 is now available  Press RETURN to get started. |

DHCP SERVER

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| Router#  Router#  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#  Router(config)#int  Router(config)#interface s  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip  Router(config-if)#ip add  Router(config-if)#ip address 192.168.5.2 255.255.255.0  Router(config-if)#  Router(config-if)#no shu  Router(config-if)#no shutdown  %LINK-5-CHANGED: Interface Serial2/0, changed state to down  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#  %LINK-5-CHANGED: Interface Serial2/0, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up  %LINK-3-UPDOWN: Interface Serial2/0, changed state to down  %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to down  %LINK-5-CHANGED: Interface Serial2/0, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up  Router con0 is now available  Press RETURN to get started.  Router>  Router>  Router>en  Router>enable  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#int  Router(config)#interface s  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.5.2 255.255.255.0  Router(config-if)#  Router(config-if)#no shu  Router(config-if)#no shutdown  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#rout  Router(config)#router osp  Router(config)#router ospf 123  Router(config-router)#  Router(config-router)#  Router(config-router)#net  Router(config-router)#network 192.168.3.0 0.0.0.255 area  % Incomplete command.  Router(config-router)#  Router(config-router)#network 192.168.3.0 0.0.0.255 area 1  Router(config-router)#  Router(config-router)#exit  Router(config)#  Router(config)#  Router(config)#network 192.168.4.0 0.0.0.255 area 1  ^  % Invalid input detected at '^' marker.  Router(config)#  Router(config)#exit  Router#  %SYS-5-CONFIG\_I: Configured from console by console  Router#en  Router#enable  Router#  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#int  Router(config)#interface se  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.5.1 255.255.255.0  Router(config-if)#  Router(config-if)#no sh  Router(config-if)#no shutdown  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#rou  Router(config)#router os  Router(config)#router ospf 123  Router(config-router)#  Router(config-router)#ne  Router(config-router)#?  area OSPF area parameters  auto-cost Calculate OSPF interface cost according to bandwidth  default-information Control distribution of default information  distance Define an administrative distance  exit Exit from routing protocol configuration mode  log-adjacency-changes Log changes in adjacency state  neighbor Specify a neighbor router  network Enable routing on an IP network  no Negate a command or set its defaults  passive-interface Suppress routing updates on an interface  redistribute Redistribute information from another routing protocol  router-id router-id for this OSPF process  Router(config-router)#net  Router(config-router)#network 192.168.3.0 0.0.0.255 area 1  Router(config-router)#  Router(config-router)#network 192.168.4.0 0.0.0.255 area 1  Router(config-router)#  Router(config-router)#exit  Router(config)#  Router(config)#  Router(config)#en  Router(config)#int  Router(config)#interface s  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.6.1 255.255.255.0  Router(config-if)#  Router(config-if)#no sh  Router(config-if)#no shutdown  Router(config-if)#  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#  Router con0 is now available  Press RETURN to get started. |
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DHCP ROUTER

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| Router(config)#int  Router(config)#interface fa  Router(config)#interface fastEthernet 0/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.2.1 255.255.255.0  Router(config-if)#  Router(config-if)#no  Router(config-if)#no sh  Router(config-if)#no shutdown  Router(config-if)#  %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#ip dh  Router(config)#ip dhcp pool net2  Router(dhcp-config)#ne  Router(dhcp-config)#network 192.168.2.0 255.255.255.0  Router(dhcp-config)#  Router(dhcp-config)#de  Router(dhcp-config)#default-router 192.168.2.1  Router(dhcp-config)#  Router(dhcp-config)#exit  Router(config)#  Router(config)#  Router(config)#%DHCPD-4-PING\_CONFLICT: DHCP address conflict: server pinged 192.168.2.1.  Router con0 is now available  Press RETURN to get started.  Router>  Router>en  Router>enable  Router#  Router#  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#  Router(config)#int  Router(config)#interface ser  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.5.3 255.255.255.0  Router(config-if)#  Router(config-if)#no shu  Router(config-if)#no shutdown  Router(config-if)#  %LINK-5-CHANGED: Interface Serial2/0, changed state to up  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#  %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up  Router(config)#  Router(config)#int  Router(config)#interface f  Router(config)#interface fastEthernet 0/1  %Invalid interface type and number  Router(config)#  Router(config)#  %LINK-3-UPDOWN: Interface Serial2/0, changed state to down  %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to down  Router con0 is now available  Press RETURN to get started.  Router>  Router>en  Router>enable  Router#  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#  Router(config)#int  Router(config)#interface s  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.6.1 255.255.255.0  Router(config-if)#  Router(config-if)#no sh  Router(config-if)#no shutdown  Router(config-if)#  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#ro  Router(config)#router o  Router(config)#router ospf 123  Router(config-router)#net  Router(config-router)#network 192.168.2.0 0.0.0.255 area1  ^  % Invalid input detected at '^' marker.  Router(config-router)#  Router(config-router)#network 192.168.2.0 0.0.0.255 area 1  Router(config-router)#  Router(config-router)#network 192.168.3.0 0.0.0.255 area 1  Router(config-router)#  Router(config-router)#no shu  Router(config-router)#exit  Router(config)#  Router(config)#  Router(config)#  Router con0 is now available  Press RETURN to get started. |

VOIP

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| Software clause at DFARS sec. 252.227-7013.  cisco Systems, Inc.  170 West Tasman Drive  San Jose, California 95134-1706  Cisco IOS Software, 2800 Software (C2800NM-ADVIPSERVICESK9-M), Version 15.1(4)M4  Technical Support: http://www.cisco.com/techsupport  Copyright (c) 1986-2012 by Cisco Systems, Inc.  Compiled Thurs 5-Jan-12 15:41 by pt\_team  Image text-base: 0x2100F918, data-base: 0x24729040  This product contains cryptographic features and is subject to United  States and local country laws governing import, export, transfer and  use. Delivery of Cisco cryptographic products does not imply  third-party authority to import, export, distribute or use encryption.  Importers, exporters, distributors and users are responsible for  compliance with U.S. and local country laws. By using this product you  agree to comply with applicable laws and regulations. If you are unable  to comply with U.S. and local laws, return this product immediately.  A summary of U.S. laws governing Cisco cryptographic products may be found at:  http://www.cisco.com/wwl/export/crypto/tool/stqrg.html  If you require further assistance please contact us by sending email to  export@cisco.com.  cisco 2811 (MPC860) processor (revision 0x200) with 60416K/5120K bytes of memory  Processor board ID JAD05190MTZ (4292891495)  2 FastEthernet interface(s)  DRAM configuration is 64 bits wide with parity disabled.  255K bytes of non-volatile configuration memory.  249856K bytes of ATA System CompactFlash 0 (Read/Write)  --- System Configuration Dialog ---  Would you like to enter the initial configuration dialog? [yes/no]: no  Press RETURN to get started!  Router>  Router>en  Router>enable  Router#  Router#conf  Router#configure t  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#int  Router(config)#interface fa  Router(config)#interface fastEthernet 0/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.1.1 255.255.255.0  Router(config-if)#  Router(config-if)#no sh  Router(config-if)#no shutdown  Router(config-if)#  %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up  Router(config-if)#exit  Router(config)#  Router(config)#ip dh  Router(config)#ip dhcp pool voice  Router(dhcp-config)#  Router(dhcp-config)#net  Router(dhcp-config)#network 192.168.1.0 255.255.255.0  Router(dhcp-config)#  Router(dhcp-config)#def  Router(dhcp-config)#default-router 192.168.1.1  Router(dhcp-config)#  Router(dhcp-config)#exit  Router(config)#  Router(config)#  Router(config)#ip dh  Router(config)#ip dhcp pool voice  Router(dhcp-config)#  Router(dhcp-config)#op  Router(dhcp-config)#option 150 ip 192.168.1.1  Router(dhcp-config)#  Router(dhcp-config)#tel  Router(dhcp-config)#tele  Router(dhcp-config)#?  default-router Default routers  dns-server Set name server  domain-name Domain name  exit Exit from DHCP pool configuration mode  network Network number and mask  no Negate a command or set its defaults  option Raw DHCP options  Router(dhcp-config)#exit  Router(config)#  Router(config)#t  Router(config)#tel  Router(config)#telephony-service  Router(config-telephony)#  Router(config-telephony)#max-dn 3  Router(config-telephony)#max-ephone 3  Router(config-telephony)#  Router(config-telephony)#ip s  Router(config-telephony)#ip source-address 192.168.1.1 port 2000  Router(config-telephony)#auto as  Router(config-telephony)#auto assign 1 to 9  Router(config-telephony)#  Router(config-telephony)#  Router(config-telephony)#?  auto Define dn range for auto assignment  auto-reg-ephone Enable Ephone Auto-Registration  create create cnf for ethernet phone  exit Exit from telephony config mode  ip Define IP address and port for Telephony-Service/Fallback  keepalive Define keepalive timeout period to unregister IP phones  max-dn Maximum directory numbers supported  max-ephones Define max number of IP phones  no Negate or set default values of a command  Router(config-telephony)#exit  Router(config)#  Router(config)#exit  Router#  %SYS-5-CONFIG\_I: Configured from console by console  Router#?  Exec commands:  <1-99> Session number to resume  auto Exec level Automation  clear Reset functions  clock Manage the system clock  configure Enter configuration mode  connect Open a terminal connection  copy Copy from one file to another  debug Debugging functions (see also 'undebug')  delete Delete a file  dir List files on a filesystem  disable Turn off privileged commands  disconnect Disconnect an existing network connection  enable Turn on privileged commands  erase Erase a filesystem  exit Exit from the EXEC  logout Exit from the EXEC  mkdir Create new directory  more Display the contents of a file  no Disable debugging informations  ping Send echo messages  reload Halt and perform a cold restart  Router#eph  Router#ephone-dn1  Translating "ephone-dn1"...domain server (255.255.255.255)  Router#  % Unknown command or computer name, or unable to find computer address  Router#en  Router#enable  Router#  Router#con  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#  Router(config)#eph  Router(config)#ephone-dn 1  Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone\_dsp DN 1.1, changed state to up  Router(config-ephone-dn)#nu  Router(config-ephone-dn)#number 12345  Router(config-ephone-dn)#  Router(config-ephone-dn)#exit  Router(config)#  Router(config)#ephone-dn 2  Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone\_dsp DN 2.1, changed state to up  Router(config-ephone-dn)#number 23456  Router(config-ephone-dn)#  Router(config-ephone-dn)#exit  Router(config)#  Router(config)#  Router(config)#ephone-dn 3  Router(config-ephone-dn)#%LINK-3-UPDOWN: Interface ephone\_dsp DN 3.1, changed state to up  Router(config-ephone-dn)#number 34567  Router(config-ephone-dn)#  Router(config-ephone-dn)#exit  Router(config)#  Router(config)#  Router(config)#  Router(config)#%DHCPD-4-PING\_CONFLICT: DHCP address conflict: server pinged 192.168.1.1.  %IPPHONE-6-REGISTER: ephone-1 IP:192.168.1.2 Socket:2 DeviceType:Phone has registered.  %IPPHONE-6-REGISTER: ephone-2 IP:192.168.1.3 Socket:2 DeviceType:Phone has registered.  %IPPHONE-6-REGISTER: ephone-3 IP:192.168.1.4 Socket:2 DeviceType:Phone has registered. |

VOIP SWITCH

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| C2950 Boot Loader (C2950-HBOOT-M) Version 12.1(11r)EA1, RELEASE SOFTWARE (fc1)  Compiled Mon 22-Jul-02 18:57 by miwang  Cisco WS-C2950-24 (RC32300) processor (revision C0) with 21039K bytes of memory.  2950-24 starting...  Base ethernet MAC Address: 0001.6372.726E  Xmodem file system is available.  Initializing Flash...  flashfs[0]: 1 files, 0 directories  flashfs[0]: 0 orphaned files, 0 orphaned directories  flashfs[0]: Total bytes: 64016384  flashfs[0]: Bytes used: 3058048  flashfs[0]: Bytes available: 60958336  flashfs[0]: flashfs fsck took 1 seconds.  ...done Initializing Flash.  Boot Sector Filesystem (bs:) installed, fsid: 3  Parameter Block Filesystem (pb:) installed, fsid: 4  Loading "flash:/c2950-i6q4l2-mz.121-22.EA4.bin"...  ########################################################################## [OK]  Restricted Rights Legend  Use, duplication, or disclosure by the Government is  subject to restrictions as set forth in subparagraph  (c) of the Commercial Computer Software - Restricted  Rights clause at FAR sec. 52.227-19 and subparagraph  (c) (1) (ii) of the Rights in Technical Data and Computer  Software clause at DFARS sec. 252.227-7013.  cisco Systems, Inc.  170 West Tasman Drive  San Jose, California 95134-1706  Cisco Internetwork Operating System Software  IOS (tm) C2950 Software (C2950-I6Q4L2-M), Version 12.1(22)EA4, RELEASE SOFTWARE(fc1)  Copyright (c) 1986-2005 by cisco Systems, Inc.  Compiled Wed 18-May-05 22:31 by jharirba  Cisco WS-C2950-24 (RC32300) processor (revision C0) with 21039K bytes of memory.  Processor board ID FHK0610Z0WC  Running Standard Image  24 FastEthernet/IEEE 802.3 interface(s)  63488K bytes of flash-simulated non-volatile configuration memory.  Base ethernet MAC Address: 0001.6372.726E  Motherboard assembly number: 73-5781-09  Power supply part number: 34-0965-01  Motherboard serial number: FOC061004SZ  Power supply serial number: DAB0609127D  Model revision number: C0  Motherboard revision number: A0  Model number: WS-C2950-24  System serial number: FHK0610Z0WC  Cisco Internetwork Operating System Software  IOS (tm) C2950 Software (C2950-I6Q4L2-M), Version 12.1(22)EA4, RELEASE SOFTWARE(fc1)  Copyright (c) 1986-2005 by cisco Systems, Inc.  Compiled Wed 18-May-05 22:31 by jharirba  Press RETURN to get started!  %LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up  %LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up  %LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up  %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up  %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to down  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down  %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up  %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to down  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down  %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up  Switch>  Switch>en  Switch>enable  Switch#  Switch#conf  Switch#configure t  Enter configuration commands, one per line. End with CNTL/Z.  Switch(config)#  Switch(config)#int  Switch(config)#interface r  Switch(config)#interface range fa  Switch(config)#interface range fastEthernet 0/2-4  Switch(config-if-range)#  Switch(config-if-range)#sw  Switch(config-if-range)#switchport mo  Switch(config-if-range)#switchport mode ac  Switch(config-if-range)#switchport mode access  Switch(config-if-range)#  Switch(config-if-range)#sw  Switch(config-if-range)#switchport v  Switch(config-if-range)#switchport voice vl  Switch(config-if-range)#switchport voice vlan 1  Switch(config-if-range)#  Switch(config-if-range)#exit  Switch(config)#  Switch(config)#  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up  Switch con0 is now available  Press RETURN to get started. |
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OSPF

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| --- System Configuration Dialog ---  Would you like to enter the initial configuration dialog? [yes/no]: no  Press RETURN to get started!  Router>en  Router>enable  Router#  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#  Router(config)#int  Router(config)#interface fa  Router(config)#interface fastEthernet 0/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.4.1 255.255.255.0  Router(config-if)#  Router(config-if)#no shu  Router(config-if)#no shutdown  Router(config-if)#  %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#rou  Router(config)#router o  Router(config)#router ospf ?  <1-65535> Process ID  Router(config)#router ospf 123  Router(config-router)#  Router(config-router)#net  Router(config-router)#network 192.168.1.0 0.0.0.255 area 1  Router(config-router)#network 192.168.4.0 0.0.0.255 area 1  Router(config-router)#ex  Router(config-router)#exit  Router(config)#  Router(config)#network 192.168.3.0 0.0.0.255 area 1  ^  % Invalid input detected at '^' marker.  Router(config)#network 192.168.3.0 0.0.0.255 area 1  ^  % Invalid input detected at '^' marker.  Router(config)#int  Router(config)#interface s  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.5.1 255.255.255.0  Router(config-if)#  Router(config-if)#no shu  Router(config-if)#no shutdown  %LINK-5-CHANGED: Interface Serial2/0, changed state to down  Router(config-if)#  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#  Router(config)#  %LINK-5-CHANGED: Interface Serial2/0, changed state to up  %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up  Router con0 is now available  Press RETURN to get started.  Router>  Router>  Router>en  Router>enable  Router#  Router#conf  Router#configure t  Router#configure terminal  Enter configuration commands, one per line. End with CNTL/Z.  Router(config)#  Router(config)#  Router(config)#int  Router(config)#interface s  Router(config)#interface serial 2/0\  ^  % Invalid input detected at '^' marker.  Router(config)#interface serial 2/0  Router(config-if)#  Router(config-if)#ip ad  Router(config-if)#ip address 192.168.5.1 255.255.255.0  Router(config-if)#  Router(config-if)#no shu  Router(config-if)#no shutdown  Router(config-if)#exit  Router(config)#  Router(config)#  Router(config)#rout  Router(config)#router o  Router(config)#router ospf 123  Router(config-router)#  Router(config-router)#net  Router(config-router)#network 192.168.3.0 0.0.0.255 area 1  Router(config-router)#  Router(config-router)#exit  Router(config)#  Router(config)#network 192.168.4.0 0.0.0.255 area 1  ^  % Invalid input detected at '^' marker.  Router(config)#?  Configure commands:  aaa Authentication, Authorization and Accounting.  access-list Add an access list entry  banner Define a login banner  bba-group Configure BBA Group  boot Modify system boot parameters  cdp Global CDP configuration subcommands  class-map Configure Class Map  clock Configure time-of-day clock  config-register Define the configuration register  crypto Encryption module  default Set a command to its defaults  do To run exec commands in config mode  enable Modify enable password parameters  end Exit from configure mode  exit Exit from configure mode  hostname Set system's network name  interface Select an interface to configure  ip Global IP configuration subcommands  key Key management  line Configure a terminal line  lldp Global LLDP configuration subcommands  Router(config)#  Router con0 is now available  Press RETURN to get started. |

THE END