

The Red Cross  
International Project  
to Support  
Christchurch, New  
Zealand, & Japan,  
March 2011

**Network Proposal  
Submitted by  
STL Enterprises,  
Unlimited.**

29 March 2011



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## EXECUTIVE SUMMARY

The *Red Cross International* has for years been the stalwart of aide in times of crisis. While this organization has been directly active in Haiti and other parts of the world, recent events have also dictated that additional communications availability has been necessary. Due to these additional communications requirements, the *Red Cross International* contacted our organization, *STL Enterprises, Unlimited*, to expand current systems design to accommodate linkage to Christchurch, New Zealand, and the mainland of Japan.

The following discussion will promulgate the effectiveness of the network design, as well as provide sufficient details in this summary report of how the network is meeting the needs of the *Red Cross International*, with scalability of platform and/or networking equipment. The overall goal of this design was to provide 24x7, real-time communications with redundant system function and error-checking & correction to maximize the efficiency of information flow between the disaster sites and the home, district, and on-site offices of the *Red Cross International*.

As you will note on the Topology Design page of this report, the system has extensive capability to scale with additional components, as well as provide extended coverage to any location worldwide. Using Cisco Systems, Inc. as the platform of choice in inter-intra-networking, the system has a stable and ready-access backing for uptime as a premium, e.g., systems engineers on a round-the-clock call for support. The system has been maximized for redundancy via Link A, Link B, and Link C, utilizing load-balancing technologies, VPN access as needed, and VOiP to ensure that communications will be available with an absolute minimum of downtime (downtime is expected to be less than  $\pm 3\%$  in any given 30-day cycle of packet evaluation.)

Moreover, while the situation on-the-ground in locations such as Haiti, New Zealand, and Japan are tragedies of enormous consequences, the security of the data that is being transmitted is of prime concern to *STL Enterprises, Unlimited*. As a result, the system presented here has established only application servers processing https protocols, with 1024-bit encryption, and the use of proxy servers as deterrents to intrusion is included. All routers and switches, as with all the systems of the design, are configured with security analysis enabled. Included in this design is the use of advanced technology “packet sniffer” technologies/applications to detect any and all suspect traffic to protect sensitive data within the protected domain of the *Red Cross International*. In addition to inherent security features of this network design, all personnel have successfully attended and completed Disclosure Agreement Professional Development, with subsequent forms completed and on file in our office for immediate

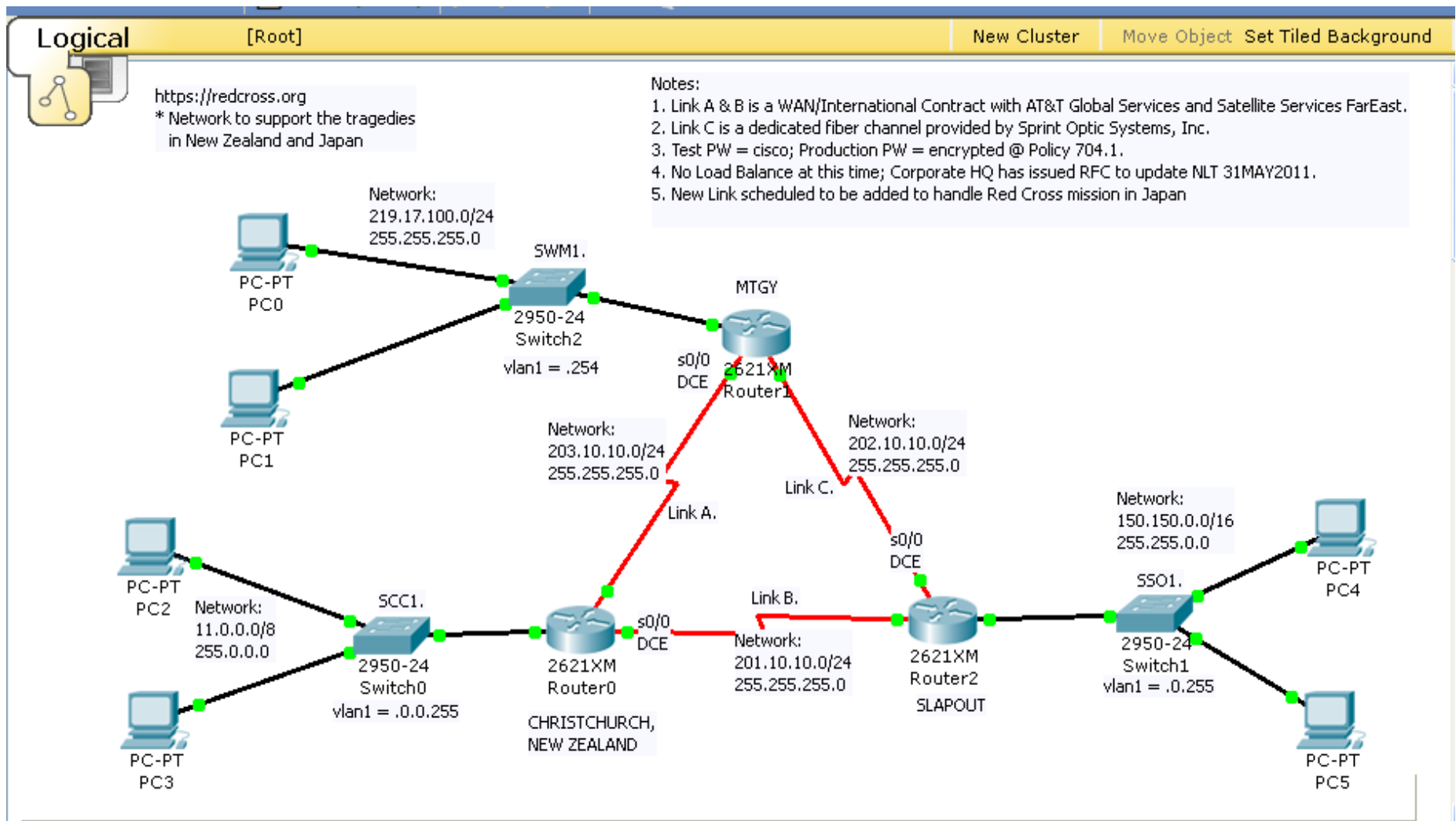
access and/or review by designated *Red Cross International* and *STL Enterprises, Unlimited*, personnel. Each individual who has design authority, as well as all other personnel associated with this project, may be contacted via our STL Hotline at 555-555-5555.

Included in this design is the ability of systems level individuals to access any device within the domain to perform remote updates and analysis. This effort will provide *Red Cross International* personnel ad hoc ability to update and/or modify any configuration setting to enhance communications for the improvement of services offered to victims of these tragedies. While this is a technical outcome, the process gives *Red Cross International* individuals on-the-ground easy access to make changes to services as Search & Rescue warrant.

The Internet Assigned Numbers Authority (IANA) has waived the requirement of subnets and VLSM networks to accommodate the timeliest response of the configuration to support *Red Cross International* operations. Once the crisis has passed and people have been rescued or recovered, *STL Enterprises, Unlimited*, and IANA will renegotiate the most viable networks appropriate for rebuilding efforts. When this occurs, *STL Enterprises, Unlimited*, will notify the *Red Cross International* of this change, noting that as these changes occur, uptime will remain at maximum efficiency.

Ken Scott, PhD  
Senior VP, Systems Design  
*STL Enterprises, Unlimited*

Figure 1: Topology Design



**TABLE 1: CONFIGURATION OVERVIEW**

The following table will provide an overview of the function of each component/network segment as it relates to each other segment.

<b>Component</b>	<b>Function</b>	<b>Connectivity</b>	<b>Settings/Networks</b>
MTGY 2621XM Router	Router for packet forwarding to/from CHRISTCHURCH and SLAPOUT; also includes security features; supports 1 2950-24 10/100 Auto-Sensing Switch	MTGY connects to CHRISTCHURCH via Satellite Services FarEast and AT&T Global Services; and SLAPOUT to MTGY is a T3 Dedicated Fiber Channel Pair	MTGY Networks: 219.17.100.0/24; 203.10.10.0/24; 202.10.10.0/24
CHRISTCHURCH 2621XM Router	Router for packet forwarding to/from MTGY and SLAPOUT; also includes security features; supports 1 2950-24 10/100 Auto-Sensing Switch	CHRISTCHURCH connects to MTGY via Satellite Services FarEast and AT&T Global Services; and SLAPOUT to MTGY is a T3 Dedicated Fiber Channel Pair	CHRISTCHURCH Networks: 11.0.0.0/24; 203.10.10.0/24; 201.10.10.0/24
SLAPOUT 2621XM Router	Router for packet forwarding to/from CHRISTCHURCH and MTGY; also includes security features; supports 1 2950-24 10/100 Auto-Sensing Switch	SLAPOUT connects to MTGY via a T3 Dedicated Fiber Channel Pair and CHRISTCHURCH via Satellite Services FarEast and AT&T Global Services	SLAPOUT Networks: 150.150.0.0/16; 202.10.10.0/24; 201.10.10.0/24
SWM1: MTGY 2950-24 Switch	Local Traffic Connectivity and Control	All User Type access to LAN and Default Gateway out from MTGY LAN to WAN	VLAN1: 219.17.100.254
SCC1: CHRISTCHURCH 2950-24 Switch	Local Traffic Connectivity and Control	All User Type access to LAN and Default Gateway out from CHRISTCHURCH LAN to WAN	VLAN1: 11.0.0.255
SSO1: SLAPOUT 2950-24 Switch	Local Traffic Connectivity and Control	All User Type access to LAN and Default Gateway out from SLAPOUT LAN to WAN	VLAN1: 150.150.0.255

## DISCUSSION OF MTGY

Headquarters for *The Red Cross International* in the Southeast is located in Montgomery, Alabama. As a result, the MTGY router will be the central site of domain control for MTGY, CHRISTCHURCH, and SLAPOUT. The MTGY domain contains 1 router, 1 switch, and accessibility for 254 total hosts/specific devices, e.g., bladed servers, IP-printers, IP-copiers, etc. The MTGY router has 3 access ports for remote configuration/updates by authorized administrators. Communications between MTGY and CHRISTCHURCH are contracted with AT&T Global Services and Satellite Services FarEast. The monthly cost of the AT&T is \$875.00 for landline/domestic wireless services, whereas the monthly cost of the Satellite Services FarEast is \$1,199 for satellite bounce (upload/download) via packet delivery/"handoff" from the AT&T West Coast Send/Receive Center (Synchronous/Asynchronous). While the technical specifications are not identified here, the details of these packet rates/charges are available upon request by *The Red Cross International* network operations.

All WAN services contain normal-packet-rate traffic functions, with burst-rate-traffic functions in times of overflow of data transfer. These data rates and costs are variable as the sites become self-sufficient over time. The sliding scale cost analysis is indicated in the Appendices. Also, the cost analysis includes equipment upgrade times of 8-hours CONUS and 24-hours INTERNATIONAL. These projections are guaranteed for network efficiency, whereas all sites house a duplicate model of the host systems, routers, switches, and other types of communications equipment. All equipment is guaranteed functional by Cisco Systems, Inc. and *STL Enterprises, Unlimited*.

The MTGY site as noted on the network topology diagram indicates that the MTGY router port of s0/0 will provide synchronization to the CHRISTCHURCH router. While this is the norm, *STL Enterprises, Unlimited*, has decided to allow AT&T Global Services and Satellite Services FarEast to coordinate the synchronous/asynchronous "hand-shake" to ensure that the traffic/packet interface is concluded with zero-tolerance for lost packets due to handshake/error retransmit faults. This joint function between AT&T Global Services, Satellite Services FarEast, and *STL Enterprises, Unlimited*, provides maximum security, uptime, and reduced costs to *The Red Cross International*, thereby enabling the organization to maximize its cost-effective efforts to the victims of these noted tragedies.

All questions related to this Proposal should be addressed to Ken Scott, PhD. Dr. Scott will be the liaison until 30 calendar days from turnkey operations commence.

## DISCUSSION OF CHRISTCHURCH

CHRISTCHURCH is the remote access point for *The Red Cross International* domain as shown on Figure 1. This access point functions as a stub network for the purpose of I/O from/to the site for the dedicated purposes of victim support. From both SLAPOUT and MTGY, WAN connectivity to CHRISTCHURCH is of two types: (1) as noted in the discussion of MTGY, fees were identified for the WAN configuration between MTGY and CHRISTCHURCH for the landline/domestic wireless services, and the satellite bounce (upload/download) via packet delivery/"handoff" from the AT&T West Coast Send/Receive Center (Synchronous/Asynchronous); (2) SLAPOUT has a redundant system to CHRISTCHURCH, but is for fail-safe/redundant systems communications.

To CHRISTCHURCH from SLAPOUT, the connectivity remains the same as that from MTGY to CHRISTCHURCH via landline/domestic wireless services and delivery to the Satellite Services FarEast for satellite bounce (upload/download) via packet delivery/"handoff" from the AT&T West Coast Send/Receive Center (Synchronous/Asynchronous). However, because MTGY and CHRISTCHURCH have a well-established communication system with a baseline packet delivery of greater than 98%, the communications between SLAPOUT and CHRISTCHURCH is redundant landline channel-sharing for emergency connectivity. The only instance in which SLAPOUT will assume prime communications responsibilities would be in the case of a catastrophic event.

As noted in the MTGY section, all WAN services contain normal-packet-rate traffic functions, with burst-rate-traffic functions in times of overflow of data transfer. These data rates and costs are variable as the sites become self-sufficient over time. The sliding scale cost analysis is indicated in the Appendices. Also, the cost analysis includes equipment upgrade times of 8-hours CONUS and 24-hours INTERNATIONAL. These projections are guaranteed for network efficiency, whereas all sites house a duplicate model of the host systems, routers, switches, and other types of communications equipment. All equipment is guaranteed functional by Cisco Systems, Inc. and *STL Enterprises, Unlimited*.

CHRISTCHURCH has 1 dedicated router and 1 switch with a limited number of host access points. The primary end-purpose of the user access points for CHRISTCHURCH is to request materials and support and to validate that these materials will be received on the date requested and in the order amounts requested. All questions related to this Proposal should be addressed to Ken Scott, PhD. Dr. Scott will be the liaison until 30 calendar days from turnkey operations commence.



## **DISCUSSION OF SLAPOUT**

All packet traffic originating between SLAPOUT and MTGY will be to fulfill order from CHRISTCHURCH on a continuous basis. These communications are of the nature to update databases of the number of supplies in the Southeast warehouse which is located in Slapout, Alabama. The warehouse is the central Southeastern repository for all donated physical materials, whereas monetary donations are sent to the central offices of *The Red Cross International* Southeastern Division in Montgomery, Alabama.

While in crisis mode as a result of Haiti, Christchurch, New Zealand, and mainland Japan, delivery of physical materials is of critical nature. *STL Enterprises, Unlimited*, has waived any additional costs of manning work stations in the city of Slapout to support the time-critical nature of inventorying the items being delivered to the warehouse, with subsequent information provided to field sites. The communication linkage will be in real-time for information decisions for supplies for mission critical decisions and the delivery of same. Consequently, *STL Enterprises, Unlimited*, will support the database programmers in Slapout to ensure any and all connectivity between the communications process and the database platforms are active and online. All questions related to this Proposal should be addressed to Ken Scott, PhD. Dr. Scott will be the liaison until 30 calendar days from turnkey operations commence.

## **ON-SITE SUPPORT**

*STL Enterprises, Unlimited*, hereby waives all costs associated with an engineer being onsite at the disaster locations to ensure the shortest possible up-time of the systems for use by *The Red Cross International* personnel. The request to process this offer at its most efficient trajectory to support *The Red Cross International* operations and outcomes, please contact Ken Scott, PhD. Dr. Scott will respond to your request with 1 hour of your call/request.

## APPENDICES

SLIDING SCALE COST ANALYSIS  
TCP/IP ANALYSIS (NETWORKING ENGINEERING VALIDATION)  
CONFIGURATION FOR MTGY ROUTER  
CONFIGURATION FOR MTGY SWITCH  
CONFIGURATION FOR CHRISTCHURCH ROUTER  
CONFIGURATION FOR CHRISTCHURCH SWITCH  
CONFIGURATION FOR SLAPOUT ROUTER  
CONFIGURATION FOR SLAPOUT SWITCH  
PC4: TCP/IP SETTINGS, PG. 1 OF 2  
PC4: TCP/IP SETTINGS, PG. 2 OF 2  
PING, TELNET, SHOW IP ROUTE RESULTS OF PC4 TO PC0/ROUTER MTGY

## SLIDING SCALE COST ANALYSIS

This page would be a table and analysis of cost upfront, how much it falls off over time, and so forth...

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## TCP/IP ANALYSIS (NETWORKING ENGINEERING VALIDATION)

**THE FOLLOWING TABLE PROVIDES THE TCP/IP INFORMATION FROM WHICH A NETWORKING ENGINEER MAY VALIDATE THE WORK OF *STL ENTERPRISES, UNLIMITED*.**

LOCATION	DEVICE	IANA NETWORK	DISTRIBUTION	OTHER
MTGY	Cisco 2950-24 Switch	219.17.100.0/24; Mask: 255.255.255.0	0 = Owner; 255 = Broadcast; 1-253 Hosts/Port Assignments; .254 = Vlan1 Switch Ports as Determined	IEEE 802.3u
MTGY	Cisco 2621XM	219.17.100.0/24; Mask: 255.255.255.0 203.10.10.0/24; Mask: 255.255.255.0 202.10.10.0/24; Mask: 255.255.255.0	0/255, Owner/Broadcast All Networks; host/port assignments determined by network administrator using any access IP numbers from .1-.254.	IEEE 802.3u (LAN) HDLC/PPP (WAN)
CHRISTCHURCH	Cisco 2950-24 Switch	11.0.0.0/8; Mask: 255.0.0.0	0.o.o = Owner; 255.255.255= Broadcast; 0.0.1 – 255.255.254 Hosts/Port Assignments; 0.0.255 = Vlan1; Switch Ports as Determined	IEEE 802.3u
CHRISTCHURCH	Cisco 2621XM	11.0.0.0/8; Mask: 255.0.0.0 203.10.10.0/24; Mask: 255.255.255.0 201.10.10.0/24; Mask: 255.255.255.0	All network number assignments at the discretion of the network administrator or as directed by Red Cross Engineers	IEEE 802.3u (LAN) HDLC/PPP (WAN)
SLAPOUT	Cisco 2950-24 Switch	150.150.0.0/16; Mask: 255.255.0.0	0.0 = Owner; 255.255 = Broadcast; 0.1-255.254 Hosts/Port Assignments; 0.255 = Vlan1 Switch Ports as Determined	IEEE 802.3u
SLAPOUT	Cisco 2621XM	202.10.10.0/24; Mask: 255.255.255.0 201.10.10.0/24; Mask: 255.255.255.0 150.150.0.0/16; Mask: 255.255.0.0	All network number assignments at the discretion of the network administrator or as directed by Red Cross Engineers	IEEE 802.3u (LAN) HDLC/PPP (WAN)

### Configuration for MTGY Router:

User Access Verification

Password:

MTGY>en

Password:

MTGY#sh run

Building configuration...

Current configuration : 925 bytes

```
!  
version 12.2  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
no service password-encryption  
!  
hostname MTGY  
!  
enable secret 5 $1$mERr$hx5rVt7rPNoS4wqbXKX7m0  
!  
no ip domain-lookup  
ip host CHRISTCHURCH 203.10.10.2 201.10.10.1 11.0.0.1  
ip host MTGY 219.17.100.1 203.10.10.1 202.10.10.2  
ip host SLAPOUT 201.10.10.2 150.150.0.1 202.10.10.1  
!  
interface FastEthernet0/0  
ip address 219.17.100.1 255.255.255.0  
duplex auto  
speed auto  
!  
interface FastEthernet0/1  
no ip address  
duplex auto  
speed auto  
shutdown  
!  
interface Serial0/0  
ip address 203.10.10.1 255.255.255.0  
clock rate 56000  
!  
interface Serial0/1  
ip address 202.10.10.2 255.255.255.0  
!  
router rip  
version 2  
network 202.10.20.0  
network 203.10.10.0  
network 219.17.100.0  
!  
ip classless  
no cdp run  
!  
line con 0  
password cisco  
login  
line vty 0 4  
password cisco  
login  
!  
end  
MTGY#
```

### Configuration for MTGY Switch:

```
SWM1 con0 is now available
Press RETURN to get started.
SWM1>en
SWM1#sh run
Building configuration...
```

```
Current configuration : 977 bytes
!
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname SWM1
interface FastEthernet0/1
interface FastEthernet0/2
interface FastEthernet0/3
interface FastEthernet0/4
interface FastEthernet0/5
interface FastEthernet0/6
interface FastEthernet0/7
interface FastEthernet0/8
interface FastEthernet0/9
interface FastEthernet0/10
interface FastEthernet0/11
interface FastEthernet0/12
interface FastEthernet0/13
interface FastEthernet0/14
interface FastEthernet0/15
interface FastEthernet0/16
interface FastEthernet0/17
interface FastEthernet0/18
interface FastEthernet0/19
interface FastEthernet0/20
interface FastEthernet0/21
interface FastEthernet0/22
interface FastEthernet0/23
interface FastEthernet0/24
!
interface Vlan1
ip address 219.17.100.254 255.255.255.0
!
!
line con 0
!
line vty 0 4
password cisco
login
line vty 5 15
login
!
!
end
```

```
SWM1#
```

**Configuration for CHRISTCHURCH Router:**

CHRISTCHURCH con0 is now available

Press RETURN to get started.

User Access Verification

Password:

CHRISTCHURCH>en

Password:

CHRISTCHURCH#sh run

Building configuration...

Current configuration : 921 bytes

version 12.2

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname CHRISTCHURCH

!

enable secret 5 \$1\$mERr\$hx5rVt7rPNoS4wqbXKX7m0

!

no ip domain-lookup

ip host CHRISTCHURCH 203.10.10.2 201.10.10.1 11.0.0.1

ip host MTGY 219.17.100.1 203.10.10.1 202.10.10.2

ip host SLAPOUT 201.10.10.2 150.150.0.1 202.10.10.1

!

interface FastEthernet0/0

ip address 11.0.0.1 255.0.0.0

duplex auto

speed auto

!

interface FastEthernet0/1

no ip address

duplex auto

speed auto

shutdown

!

interface Serial0/0

ip address 201.10.10.1 255.255.255.0

clock rate 56000

!

interface Serial0/1

ip address 203.10.10.2 255.255.255.0

!

router rip

version 2

network 11.0.0.0

network 201.10.10.0

network 203.10.10.0

!

ip classless

no cdp run

!

line con 0

password cisco

login

line vty 0 4

password cisco

login

!

end

CHRISTCHURCH#

**Configuration for CHRISTCHURCH Switch:**

```
SCC1 con0 is now available
Press RETURN to get started.
SCC1>en
SCC1#sh run
Building configuration...
```

Current configuration : 953 bytes

```
!
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname SCC1
!
interface FastEthernet0/1
interface FastEthernet0/2
interface FastEthernet0/3
interface FastEthernet0/4
interface FastEthernet0/5
interface FastEthernet0/6
interface FastEthernet0/7
interface FastEthernet0/8
interface FastEthernet0/9
interface FastEthernet0/10
interface FastEthernet0/11
interface FastEthernet0/12
interface FastEthernet0/13
interface FastEthernet0/14
interface FastEthernet0/15
interface FastEthernet0/16
interface FastEthernet0/17
interface FastEthernet0/18
interface FastEthernet0/19
interface FastEthernet0/20
interface FastEthernet0/21
interface FastEthernet0/22
interface FastEthernet0/23
interface FastEthernet0/24
!
interface Vlan1
 ip address 11.0.0.255 255.0.0.0
!
!
line con 0
!
line vty 0 4
 login
line vty 5 15
 login
!
!
end
```

```
SCC1#
SCC1#
```



**Configuration for SLAPOUT Router:**

SLAPOUT con0 is now available

Press RETURN to get started.

User Access Verification

Password:

SLAPOUT>en

Password:

SLAPOUT#sh run

Building configuration...

Current configuration : 911 bytes

!

version 12.2

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname SLAPOUT

enable secret 5 \$1\$mERr\$hx5rVt7rPNoS4wqbXKX7m0

!

no ip domain-lookup

ip host CHRISTCHURCH 11.0.0.1 203.10.10.2 201.10.10.1

ip host MTGY 219.17.100.1 203.10.10.1 202.10.10.2

ip host SLAPOUT 202.10.10.1 201.10.10.2 150.150.0.1

!

interface FastEthernet0/0

ip address 150.150.0.1 255.255.0.0

duplex auto

speed auto

!

interface FastEthernet0/1

no ip address

duplex auto

speed auto

shutdown

!

interface Serial0/0

ip address 202.10.10.1 255.255.255.0

clock rate 56000

!

interface Serial0/1

ip address 201.10.10.2 255.255.255.0

!

router rip

version 2

network 150.150.0.0

network 201.10.10.0

network 202.10.10.0

!

ip classless

!

line con 0

password cisco

login

line vty 0 4

password cisco

login

!

end

SLAPOUT#

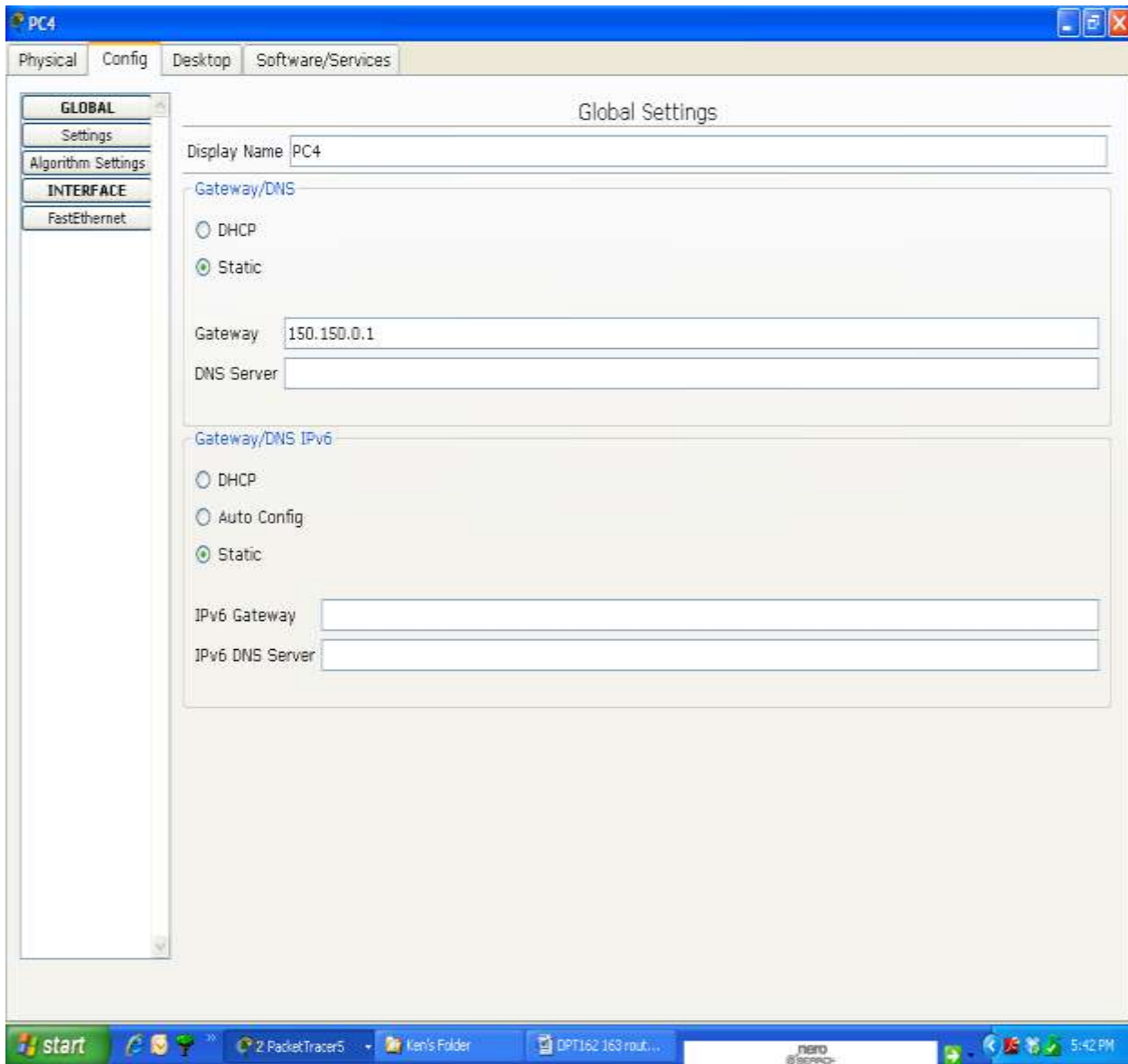
### Configuration for SLAPOUT Switch:

```
SSO1 con0 is now available
Press RETURN to get started.
SSO1>en
SSO1#sh run
Building configuration...
```

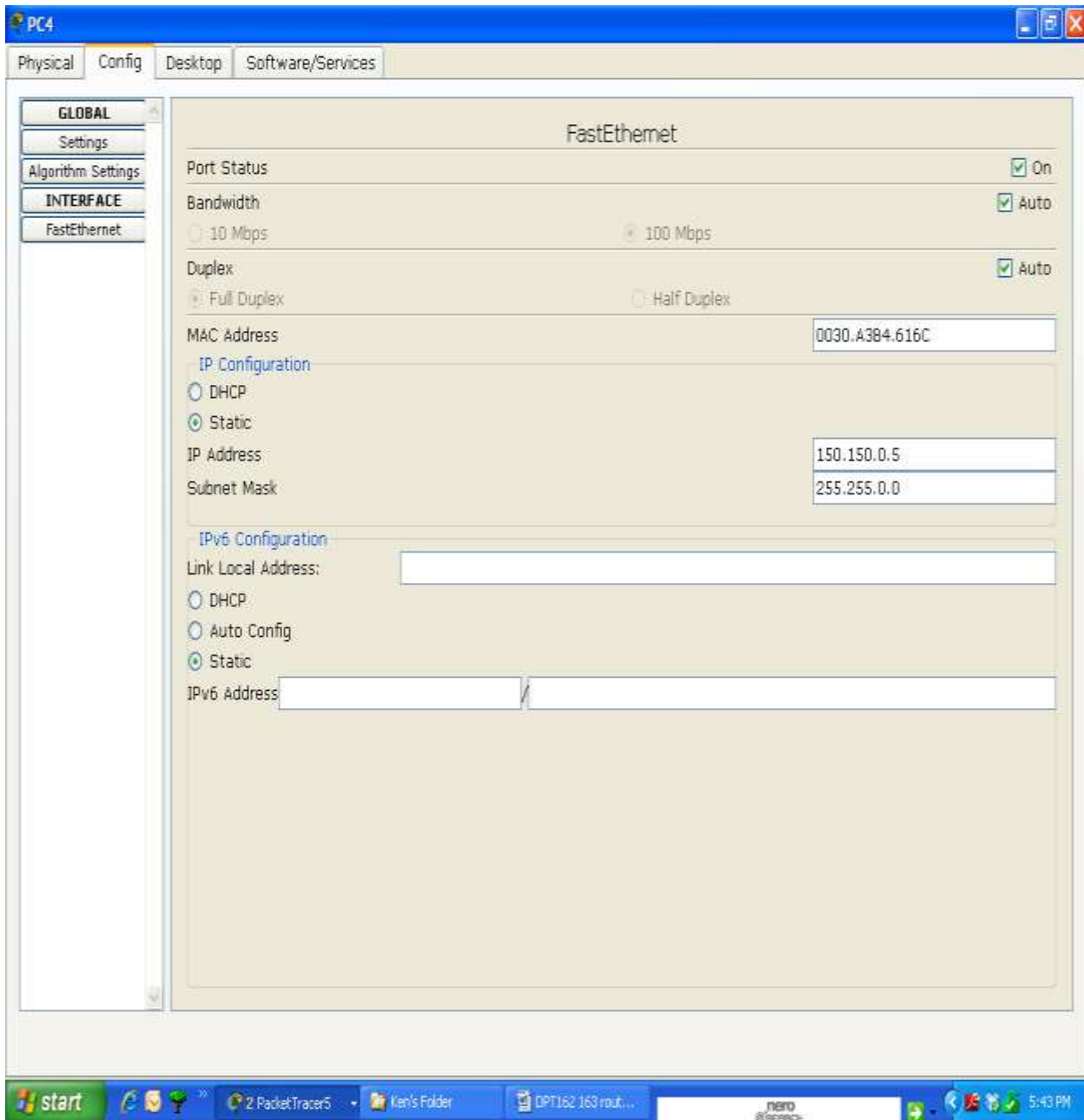
```
Current configuration : 958 bytes
!
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname SSO1
!
!
!
interface FastEthernet0/1
interface FastEthernet0/2
interface FastEthernet0/3
interface FastEthernet0/4
interface FastEthernet0/5
interface FastEthernet0/6
interface FastEthernet0/7
interface FastEthernet0/8
interface FastEthernet0/9
interface FastEthernet0/10
interface FastEthernet0/11
interface FastEthernet0/12
interface FastEthernet0/13
interface FastEthernet0/14
interface FastEthernet0/15
interface FastEthernet0/16
interface FastEthernet0/17
interface FastEthernet0/18
interface FastEthernet0/19
interface FastEthernet0/20
interface FastEthernet0/21
interface FastEthernet0/22
interface FastEthernet0/23
interface FastEthernet0/24

interface Vlan1
ip address 150.150.0.255 255.255.0.0
!
!
line con 0
!
line vty 0 4
login
line vty 5 15
login
!
!
end
SSO1#
```

**PC4: TCP/IP Settings, Pg. 1 of 2**



PC4: TCP/IP Settings, Pg. 2 of 2



## Ping, Telnet, and sh ip route Results of PC4 to PC0/Router MTGY:

Packet Tracer PC Command Line 1.0

PC>ping 219.17.100.5

Pinging 219.17.100.5 with 32 bytes of data:

Request timed out.

Reply from 219.17.100.5: bytes=32 time=171ms TTL=125

Reply from 219.17.100.5: bytes=32 time=172ms TTL=125

Reply from 219.17.100.5: bytes=32 time=187ms TTL=125

Ping statistics for 219.17.100.5:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 171ms, Maximum = 187ms, Average = 176ms

PC>telnet 219.17.100.1

Trying 219.17.100.1 ...Open

User Access Verification

Password:

Password:

MTGY>en

Password:

MTGY#sh ip route

Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

\* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is not set

R 11.0.0.0/8 [120/1] via 203.10.10.2, 00:00:10, Serial0/0

R 150.150.0.0/16 [120/2] via 203.10.10.2, 00:00:10, Serial0/0

R 201.10.10.0/24 [120/1] via 203.10.10.2, 00:00:10, Serial0/0

C 202.10.10.0/24 is directly connected, Serial0/1

C 203.10.10.0/24 is directly connected, Serial0/0

C 219.17.100.0/24 is directly connected, FastEthernet0/0

MTGY#exit

[Connection to 219.17.100.1 closed by foreign host]

PC>