

## BASIC ABCS-ROUTER DIAGNOSTICS

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TO ACCESS A ROUTER REMOTELY USE SSH TO THE EXTERNAL IP ADDRESS ON PORT 8080 AS ROOT:

```
#ssh root@24.244.107.208 -p 8080
```

IF YOU RECEIVE A WARNING ABOUT AN INCORRECT KEY, REMOVE THE IP ADDRESS FROM THE `$HOME/.ssh/known_hosts` FILE,

ONCE INTO THE ROUTE, YOU CAN USE MOST OF THE STADANRD NETOWRK COMMANDS FOR DIAGNOSTICS INCLUDING THE FOLLOWING COMMANDS:

```
ifconfig
ping
netstat
traceroute
nslookup
```

THE BASE CONFIGURATION FOR PORTS ARE:

```
ETH0 IS THE WAN
ETH1 IS THE LAN
TUN? ARE THE TUNNELS
```

TO CHECK TO SEE IF A TUNNEL IS UP DO:

```
#ps -ef | grep -e vtun
```

### COMMON PROBLEMS

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PROBLEM: TUNNELS SHOW TO BE UP BUT REMOTE LOCATIONS (INCLUDING FROM ABCS) CAN NOT SSH/TELNET INTO SERVER

SOLUTION: THE DEFAULT GATEWAY ON THE SERVER IS IMPROPERLY SET. REMOVE THE DEFAULT GATEWAY IF ONE EXIST AND ADD THE CORRECT ONE.

PROBLEM: REMOTE STORE SHOW TUNNEL IS UP, BUT THE HOST SHOWS IT DOWN

SOLUTION: REBOOT REMOTE ROUTER TO RE-ESTABLISH CONNECTION