Name: ZyXEL ZyWALL Quagga/Zebra Remote Root Vulnerability
Release Date: 10 March 2008
Discover: Pranav Joshi <joshipranav@gmail.com>
Vendor: ZyXEL
Products Affected: ZyWALL
(Status on other affected products & firmwares pending from vendor's end)

CVE-2008-1160
BID 28184

Technical Details

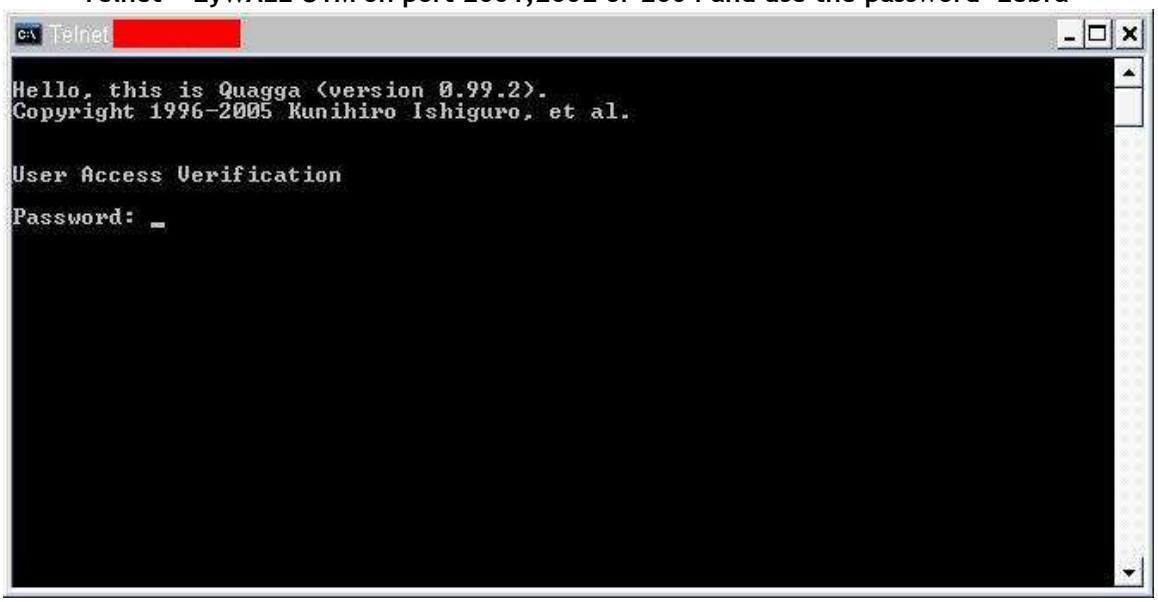
The vulnerability in the Quagga/Zebra routing daemon, exists due to the fact that the appliance fails to change the password needed to login into the Quagga/Zebra daemon running on ports 2601, 2602 (Quagga/RIP) & 2604 (Quagga/OSPF) /TCP, even though the password of the appliance has been changed an attacker can still use the default password to log into the Quagga/Zebra service to view and manipulate the routing information etc. of the appliance.

The vulnerability was discovered on ZyWall 1050 appliance other versions could be affected as well.

Information on other vulnerable products and firmwares is pending from the vendor's end.

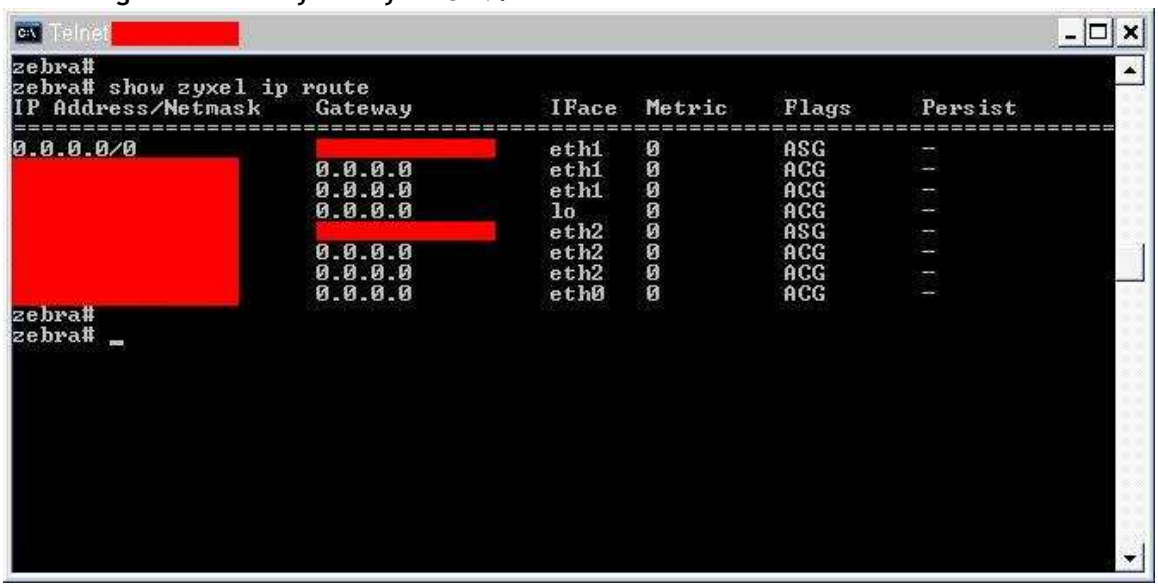
Reproduction of the issue

Telnet > ZyWALL UTM on port 2601,2602 or 2604 and use the password ‘zebra’

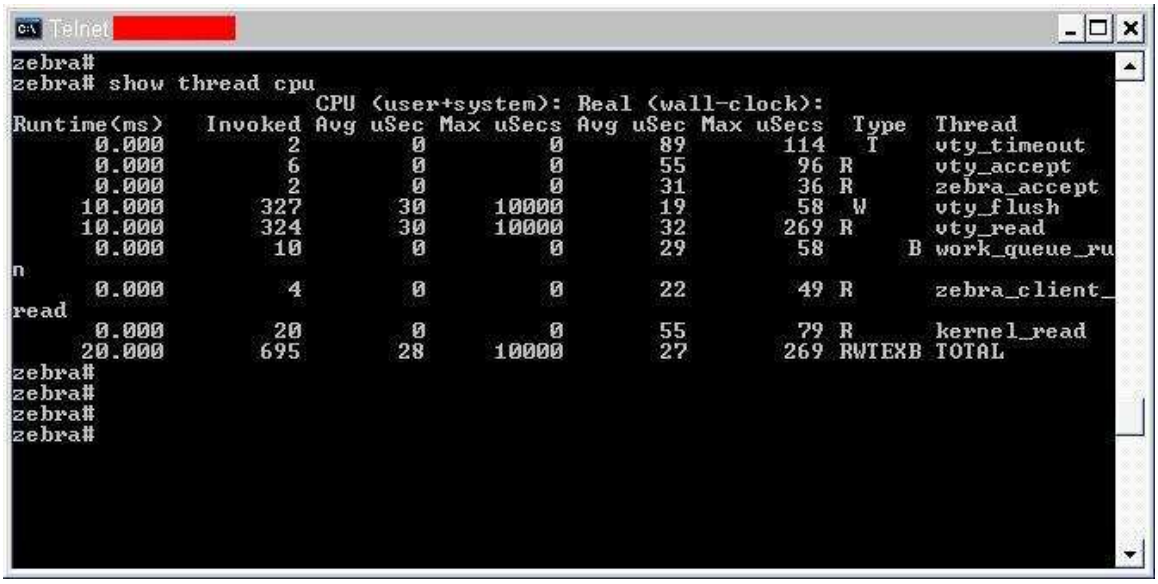


Privileged mode - Password used for the Quagga/zebra daemon is ‘zebra’.

IP Routing Table used by the Zyxel UTM.



CPU Threads



‘Configuration Terminal’ mode where F/W settings can be modified