Mikyas Atskemariam

ATE/9369/08

DoS/DDoS Attack

Any Networking platform is limited by its Bandwidth.

This bandwidth determines how fast the network connection will be and how distributed it can be, meaning how many parallel transfers it can have without consuming everything in one transfer. This is currently noticeable in the low bandwidth Adsl service provided by Ethio Telecom. When all the bandwidth available is being consumed, a Denial of Service or DoS occurs. These DoS situations can be forced by Attacks.

Out of the countless DoS Attack techniques, I have chosen the UDP (User Datagram Protocol) Flood. UDP is perfect since it is designed with speed in mind, neglects errors and keeps sending packets nonstop. The Python script that does the flood is designed to create a packet that floods, then targets a certain IP and a particular port.

This script distributed over multiple computers targeting different ports and flooding them at same time gives us the DDoS Attack we need.