



NQS Software

```

Terminal
geosig@geosig-laptop:~/devel/nqs$ ./nqs ./nqs.d
11:51:42.600 NetQuake Server 1.05 - OLR20100916
11:51:42.601 All counters of failures are cleared
11:51:42.601 Loading configuration parameters...
Configuration parameters:
Server IP and port ..... 192.168.1.32:3456
Directory for incoming files ..... /home/geosig/devel/_nqs_root_/incoming
Individual incoming directory for each client ..... Yes
Directory for outgoing files ..... /home/geosig/devel/_nqs_root_/outgoing
Directory for temporary files ..... /home/geosig/devel/_nqs_root_/temp
Directory for log files ..... /home/geosig/devel/_nqs_root_/logfiles
Logging options ..... 0x0005000F
Secure communication ..... Login only
Network timeout, seconds ..... 15
Number of configured clients ..... 1
Sleep time of the server in active/idle state, ms ..... 3/200
11:51:42.603 Initialising clients...
11:51:42.772 NetQuake Server is running

--- NQS Main Menu ---
D - Display errors and warnings
C - Clear errors and warnings
E - Exit
Command -->|
    
```

Overview

NQS is a special Linux terminal software developed specifically to act as a server application for any GMS series instrument in the field. It can cater to numerous instruments.

NQS manages the incoming and outgoing files to and from field stations and in this way enables configuration as well as data acquisition for the remote instruments. The communication can be established through a secure authentication.

GMS series instruments can be configured to

periodically (or on demand) forward their recorded data, event and PGM (Peak Ground Motion) data, system log information, as well as SOH (State Of Health) information as XML files to NQS.

Additionally NQS log files can be locally stored and various log messages can be displayed on the associated terminal.

A sample screen from the NQS terminal is shown in the above figure.