



## Final Netplan config (recommended)

Create / edit:

```
sudo nano /etc/netplan/01-static.yaml
```

Paste **exactly this** (keep spacing):

```
network:
  version: 2
  renderer: networkd
  ethernets:
    ens33:
      dhcp4: false
      addresses:
        - 192.168.198.190/24
      routes:
        - to: default
          via: 192.168.198.2
  nameservers:
    addresses:
      - 8.8.8.8
      - 1.1.1.1
```

Then apply permanently:

```
sudo netplan apply
```

### Install MySQL server:

```
apt install -y mysql-server
```

After installation completes, you need to change the `max_allowed_packet` setting, otherwise GRR will have issues writing large chunks of data to the database. Put the following into `/etc/mysql/my.cnf`:

```
nano /etc/mysql/my.cnf
```

```
[mysqld]
max_allowed_packet=40M
log_bin_trust_function_creators=1
```

### Then restart the MySQL server:

```
service mysql restart
```

You will typically want to create a new database user for GRR and give that user access an empty database that the GRR server installation will use:

```
mysql -u root -p

mysql> CREATE USER 'grr'@'localhost' IDENTIFIED BY 'password';

mysql> CREATE DATABASE grr;

mysql> GRANT ALL ON grr.* TO 'grr'@'localhost';

mysql> CREATE USER 'fleetspeak'@'localhost' IDENTIFIED BY 'password';

mysql> CREATE DATABASE fleetspeak;

mysql> GRANT ALL ON fleetspeak.* TO 'fleetspeak'@'localhost';
```

**Download the latest stable server deb from:**

```
wget https://github.com/google/grr/releases/download/v3.4.7.1-release/grr-server\_3.4.7-1\_amd64.deb
```

**Install the server deb, along with its dependencies, like below:**

```
sudo apt install -y ./grr-server_3.4.7-1_amd64.deb
```

Step 1: Setting Basic Configuration Parameters  
We are now going to configure the server using a bunch of questions.  
Use Fleetspeak (next generation communication framework)? [Yn]: [Y]: Y

```
Fleetspeak public HTTPS port [4443]: 4443
Fleetspeak MySQL Host [localhost]: localhost
Fleetspeak MySQL Port (0 for local socket) [3306]: 3306
Fleetspeak MySQL Database [fleetspeak]: fleetspeak
Fleetspeak MySQL Username [root]: fleetspeak
Please enter password for database user fleetspeak:
Successfully connected to MySQL with the given configuration.
```

--GRR Datastore--

For GRR to work each GRR server has to be able to communicate with the datastore. To do this we need to configure a datastore.

The password for fleetspeak db user is **password**

```
GRR will use MySQL as its database backend. Enter connection details:
MySQL Host [localhost]: localhost
MySQL Port (0 for local socket) [0]: 0
MySQL Database [grr]: grr#####
MySQL Username [root]: grr
Please enter password for database user grr:
Configure SSL connections for MySQL? [yN]: [N]: N
Successfully connected to MySQL with the provided details.
```

--GRR URLs--

For GRR to work each client has to be able to communicate with the server. To do this we normally need a public dns name or IP address to communicate with. In the standard configuration this will be used to host both the client facing server and the admin user interface.

```
Please enter your hostname e.g. grr.example.com [GRR]: 192.168.198.190
```

--Server URL--

The Server URL specifies the URL that the clients will connect to communicate with the server. For best results this should be publicly accessible. By default this will be port 8080 with the URL ending in /control.

```
Frontend URL [http://192.168.198.190:8080/]: []
```

```
--AdminUI URL--:  
The UI URL specifies where the Administrative Web Interface can be found.
```

```
AdminUI URL [http://192.168.198.190:8000]:
```

```
--GRR Emails--  
GRR needs to be able to send emails for various logging and  
alerting functions. The email domain will be appended to GRR  
usernames when sending emails to users.
```

```
--Monitoring/Email Domain--  
Emails concerning alerts or updates must be sent to this domain.
```

```
Email Domain e.g example.com [localhost]:
```

```
--Alert Email Address--  
Address where monitoring events get sent, e.g. crashed clients,  
broken server, etc.
```

```
Alert Email Address [grr-monitoring@localhost]:
```

Press ENTER where email related confirmation

```
Step 3: Adding GRR Admin User  
Please enter password for user 'admin':  
  
Step 4: Repackaging clients with new configuration.  
Server debs include client templates. Re-download templates? [yN]: [N]: y  
Repack client templates? [Yn]: [Y]: y
```

Admin password was set to “1234”

```
Restart service for the new configuration to take effect? [Yn]: [Y]: Y
```