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# MIND FIELD

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## VM SETUP INSTRUCTIONS

**Operating System:** Ubuntu 16.04.2 LTS

**Server:** Node v6.10.1, and nginx v1.10.0 for reverse proxy

**Database:** MongoDB version: 3.4.3

**Server disk space:** 8 gb

## INSTALLATION

The repository contains the complete codebase, and the service files required to run the application.

Before the node server can run, the dependencies have to be installed, which can be done by running the following command inside the app folder: **npm install**

**nginx** comes with a config file named `nginx.conf`, which would have to be updated for running the app over port 80 instead of 3000. Add the following lines of code inside the http block of the `.conf` file and change the `server_name` to the actual server name:

```
server {  
    listen    80;  
    server_name www.example.com;  
    location / {  
        proxy_pass http://127.0.0.1:3000;  
    }  
}
```

## RUNNING THE SERVICES

There are 2 service (with `.service` extension) files that need to be placed in `/lib/systemd/system` (i.e. **mongo\_db\_env.service** & **node\_server\_env.service**).

For the DB files a directory has to be made separately in the file system, and the path to the directory should be updated in the **mongo\_db\_env.service** file.

Once these steps are finished, run the services using the command:

**sudo systemctl <my\_service>.service** (where <my\_service> should be replaced with the name of the service)

Once the command executes check the status for the service with the following command:

**systemctl status <my\_service.service>.service**

If all goes well and both the DB and node services are running, go to the browser and hit the server address, the app should start running.