

## PROJECT

## Linux Server Configuration

A part of the Full Stack Web Developer Nanodegree Program

## PROJECT REVIEW

## CODE REVIEW 3

## NOTES

## Meets Specifications

Congratulations!  
Your project meets the specifications.  
Keep up the good work!

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## User Management

`sudo` commands prompt for user password at least once.

Remote login of the root user has been disabled.

[This](#) is an excellent tutorial explaining SSH tuning.

A remote user is given `sudo` access.

Users have good/secure passwords.

## Security

Only allow connections for `SSH` ( `port` 2200), `HTTP` ( `port` 80), and `NTP` ( `port` 123).

Key-based `SSH` authentication is enforced.

Applications have been updated to most recent updates.

You can configure package `unattended-upgrades` to automatically install security updates.

For more details, please follow the link below:

<https://help.ubuntu.com/community/AutomaticSecurityUpdates>

`SSH` is hosted on non-default port.

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## Application Functionality

Database server has been configured to serve data (postgresql is recommended).

`VM` can be remotely logged into.

Fail2ban can be used to monitor for repeat unsuccessful login attempts and appropriately ban attackers.

For more details, please follow the link below:

<https://www.digitalocean.com/community/tutorials/how-to-protect-ssh-with-fail2ban-on-ubuntu-14-04>

**Web-server has been configured to serve the Item Catalog application as a wsgi app.**

The system monitoring can help to improve uptime of the web application (server).

More info, follow the links below:

<https://en.wikipedia.org/wiki/Uptime>

[https://en.wikipedia.org/wiki/System\\_monitor](https://en.wikipedia.org/wiki/System_monitor)

<https://pypi.python.org/pypi/Glances/>

<https://www.digitalocean.com/community/tutorials/how-to-install-munin-on-an-ubuntu-vps>

<https://www.digitalocean.com/community/tutorials/how-to-install-nagios-4-and-monitor-your-servers-on-ubuntu-14-04>

Also, do not forget to backup.

More info:

<https://en.wikipedia.org/wiki/Backup>

## Documentation

A README file is included in the GitHub repo containing the following information: IP address, URL, summary of software installed, summary of configurations made, and a list of third-party resources used to completed this project.

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