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SELF USE CASE

Post - Deployment Validation

PROBLEM : An application is facing issues after deployment. We need to check if it is owner/group permission error, deployment error, or any other. We can use logs to identify them too.

IMPLEMENTATION : I took a curated scenario when I gave the app name, port number, source, group, and path to the application.

I used python to create functions to run through it and check for if there is any port error (port already occupied) or some log errors. In my case, it was a port error.

LINUX

Automate Backups

PROBLEM : We were asked to create backups automated each after certain amount of time.

SOLUTION : I tried to create some files in which i used timestamp primarily to define when the backup happened and automated by giving it certain time gap before the next one is created. .tar.gz files would be created in this scenario

$$\begin{pmatrix} nano - \text{to open and modify files} \\ chmod - \text{to change access} \\ ./filena - \text{to run them} \end{pmatrix}$$

Disk Usage and ~~Saving~~ Saving

PROBLEM : We were asked to limit the file saving using threshold to save disk file storage.

SOLUTION : I created a file and included THRESHOLD and limited it to a value. If it exceeds certain limit, it will not get stored.

(df - See how much storage each file uses)
(nano - To edit/modify files)

PYTHON

PROBLEM : We were asked to go through YAML files to write python code and check if there was any issue

SOLUTION : I wrote a python code which helps to go through YAML files and check if there are any errors in it.