

Aurora Labs exam solution

1. Developed Python code for providing current weather status in TelAviv
2. Created standalone binary file from Python using Nuitka application
3. Created dockerfile and build docker image based on this file.
4. Tested local run of docker image
5. Installed Jenkins environment. including all pre-requisites.
6. Configured permissions for Jenkins user to be able to run docker
7. Created Jenkins job to run docker file locally
8. Created my.webhookrelay.com account and generated credentials for relay agent
9. Installed webhook relay agent on Jenkins server with listener for updates through my.webhookrelay.com
10. Configured webhooks at GitHub to perform notification in case of Git Push event and checked logs – using input of relay cli on Jenkins server (endpoint ID)
11. Tested whole system by performing Git commit and push

Diagram illustrating the flow:

