# Internals of Application Server


## Group No. 1

## APP MODEL

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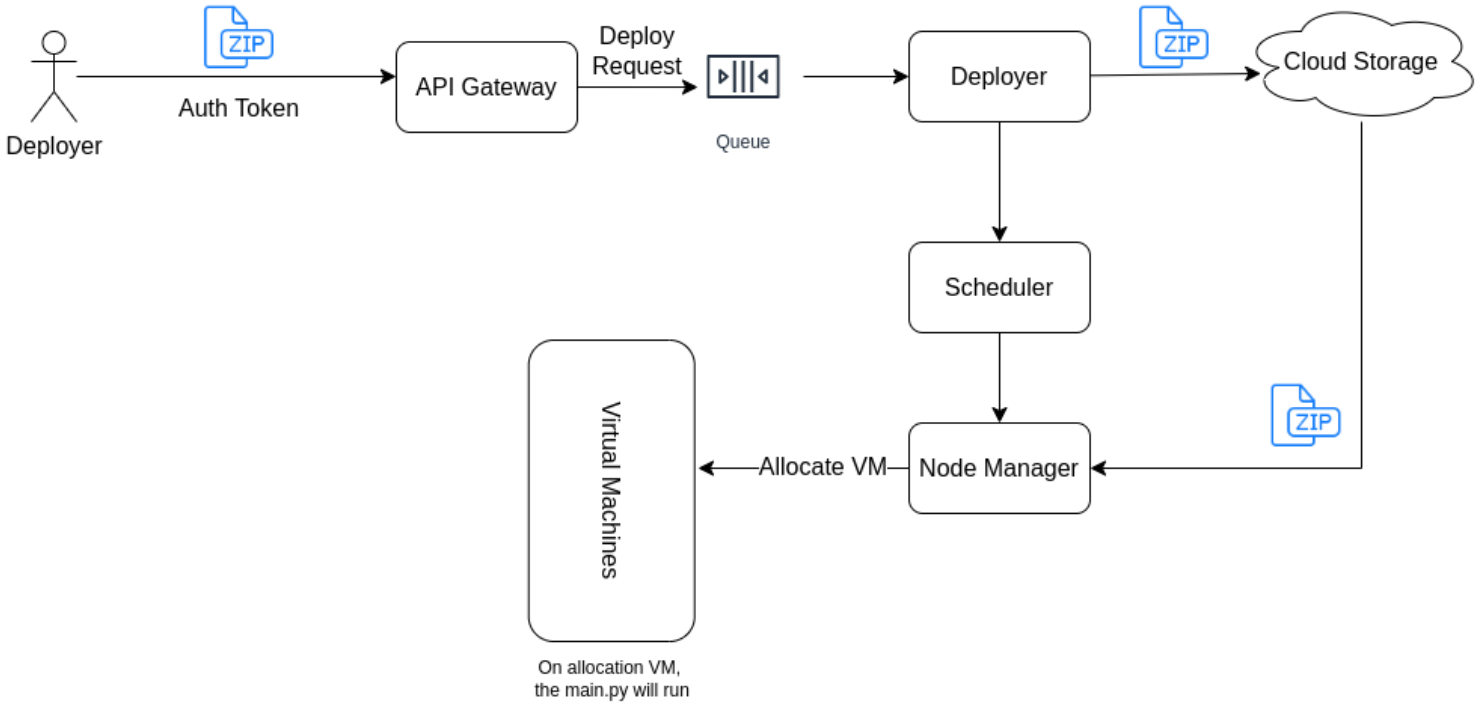
## Sample App Deployment :




Steps involved in how a sample app will be deployed on our platform:

- First the user will be authorized via the token generated from their user id and password.
- If the user is authorized to deploy an application on our platform then they can upload an app.zip file which contains the mandatory files that our platform requires to build the application.
- The zip can be uploaded using deploy api on our platform.
- The deployer now has to look for the uploaded files in the queue which it will upload on the cloud storage (here Azure) and then forwards the app information to the scheduler to schedule the app's deployment.
- The scheduler will check on the deployment time for the application which is provided in the schedule.yml file in the app.zip folder.
- Now when the timer reaches the scheduled time for an application, the deployment request will be sent to the Node Manager which is responsible for providing VM for the application to run.
- After an application is allocated a VM on our platform, it will deploy the application by running the main.py script and creating the endpoint for the sample application.