

## **NODE.JS DEVELOPER TASK**

Design a RESTful API for managing machines in the cloud

### **No actual cloud integration**

#### **Context**

There will be multiple clusters and each cluster will have zero or more machines. Each machine will have zero or more tags. Also, each cluster will have a name and a cloud region, each machine will have a name, ip address, an instance-type.

The system should allow users to create clusters, create machines in a cluster, add tags to the machine when creating them, delete machines and clusters and perform operations like start, stop, reboot on a group of machines using tags.

**Your API should do everything required to manage the clusters and machines, except actually creating the machines in the cloud.**

#### **Deliverables:**

- Test cases
- Code repo
- Readme file explaining how to run your code and API instructions

#### **Tech stack**

- Node.js
- Postgres / Mongo Database