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Features and code pointers

File - App.py

Contains API calls and CLI call (using SSH paramiko library)

CLI calls

```
def startSSHTMachine()
```

API calls

```
# def getToken(userName, password, projectName):  
  
# def getAdminToken():  
  
# def getUserToken(userName, password, projectName = "admin"):  
  
  
# def getTokenDetail(userName, password, projectName):  
  
# def getAdminDetail():  
  
# def listOfServer(mytoken):  
  
# def listOfFlavors(mytoken):  
  
# def listOfImages(mytoken):  
  
# def listOfProjects(mytoken):  
  
# def listOfUsers(mytoken):  
  
# def listOfNetworks(mytoken):
```

```
# def createNewProject(mytoken, projectName, projectDescription):  
  
# def createNewUser(mytoken, userName, password):  
  
# def createNewServer(mytoken, vmName):  
  
  
# def instanceAction(mytoken, instanceId, action):  
  
  
  
# def startInstance(mytoken, instanceId):  
# def stopInstance(mytoken, instanceId):  
# def pauseInstance(mytoken, instanceId):  
# def unpauseInstance(mytoken, instanceId):  
# def suspendInstance(mytoken, instanceId):  
# def resumeInstance(mytoken, instanceId):  
# def deleteInstance(mytoken, instanceId):
```

Setup

Install MongoDB

<https://docs.mongodb.com/manual/installation/>

Install PIP

<https://pip.pypa.io/en/stable/installing/>

Install Flask

<http://flask.pocoo.org/docs/0.11/installation/>

Install Flask Dependencies

```
```bash
```

```
Install Flask pymongo dependency (NOTE: Mac probably requires sudo)
```

```
pip install pymongo
```

```
#Install Flask fabric dependency
```

```
pip install fabric
```

```
```
```

```
## Usage
```

```
```bash
```

```
python app.py
```

```
```
```

View app at <http://localhost:5010/>