

Lab1:: Create your own private cloud, operate virtual machines (VMs)

Tasks:

1. Use MicroStack to launch an OpenStack cloud with a single node.
2. Utilize OpenStack's web UI and CLI to communicate with it.
3. Start your first virtual machine on OpenStack and connect to it.

Part A

4. On the VM, launch a calculator programme.
 5. You should set it up such that you can launch the desired programme from any laptop.
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Part B

1. Create and start a VM instance on the OpenStack
2. Install and run web server on one micro instance
3. Write a REST program to run another micro-instance

GET echo?msg=Hello%20World
Response should be the text message that was passed

4. Write a web form taking the input message as text box

Call “ GET echo” on server side

Display the result for the GET request on the web page



Helpful Resource: <https://discourse.ubuntu.com/t/get-started-with-microstack/13998>

Submission:: Folder format (rollno_lab1_calcOpenStack)

- Put your source code in this folder.
- Readme file (.docs and pdf):
 - Giving thorough step-by-step explanations for each task.
 - commands to execute that program

- Screenshot of terminal output
- Screenshot of browser output