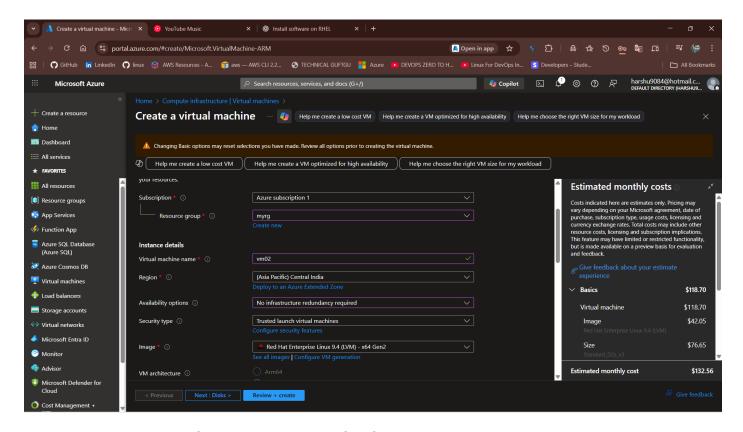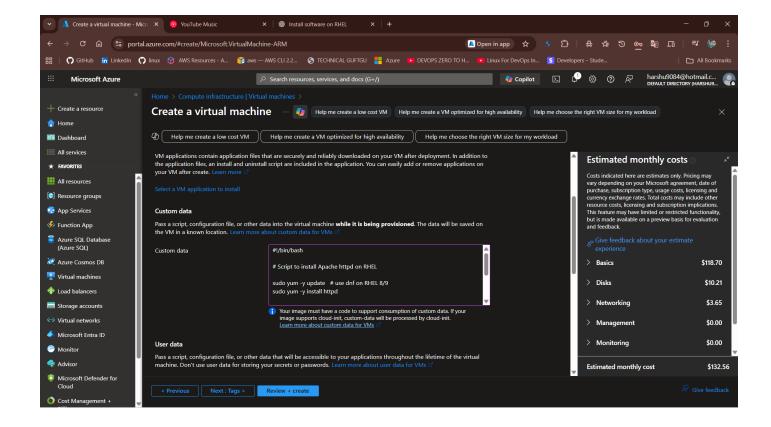**Name: - AYUSH PANDEY**

BATCH: - AZ-900 + AZ- 104 (12th July 2025)

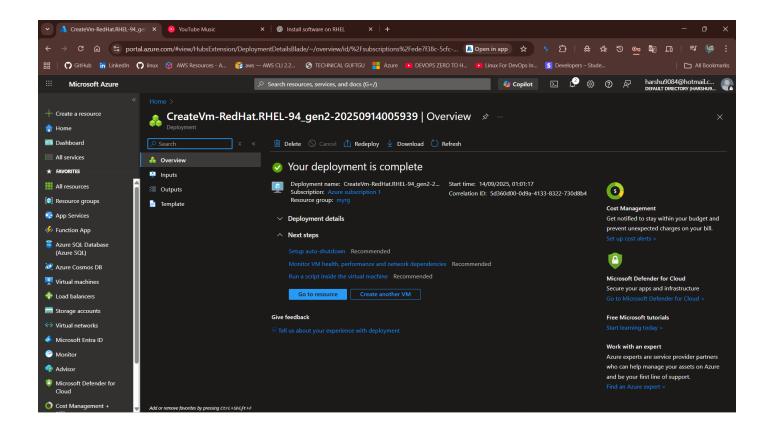# Assignment 03: - Deploy RedHat Vm with Custom Script

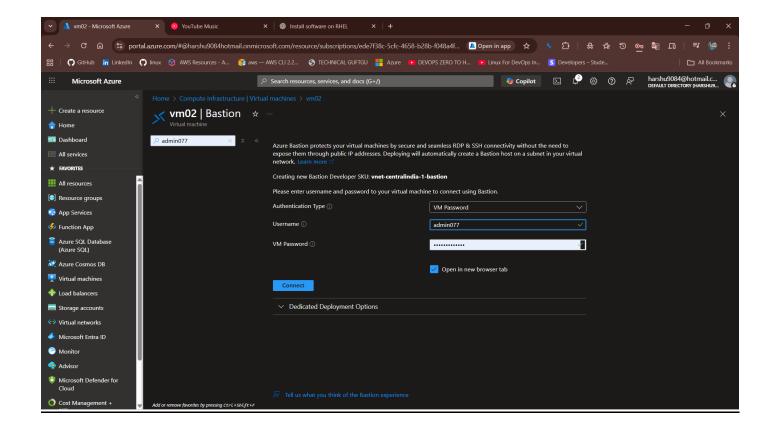- **Step 01: - Create RedHat VM using Custom RedHat Script**

- **Step 02: -Write RedHat Script in Custom data box**
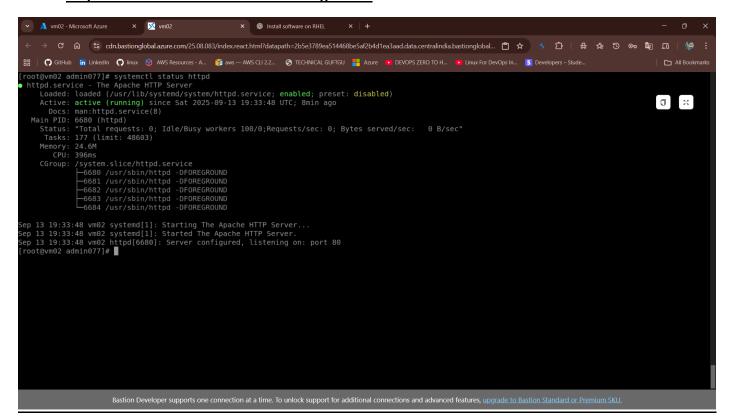
- **Step 03: - Now Deployment of the Machine**

- **Step 04: - Connect vm Via Bastion**

- **Step 05: - Check that Custom is working or not**

Ques. 01 What we do in this lab.

Ans. We install and enable software on a Red Hat VM via Custom data:-

1. **Install the software**

`sudo yum install -y httpd`

- This command downloads and installs the package (here `httpd`, which is Apache Web Server).

- yum (or `dnf` in newer RHEL) pulls the package from Red Hat repositories.

- `-y` means "yes to all prompts" so it doesn't ask you for confirmation

2. **Enable the service**

sudo systemctl start httpd

- This makes sure the service **starts automatically on boot**.

- Without this, if you reboot the VM, the service won't run unless you start it manually.

3. **Start the service now**

sudo systemctl start httpd

- This actually **runs the service immediately** (without waiting for reboot).

- For example, Apache (`httpd`) will start listening on port 80.

4. **Check service status**

systemctl status httpd
systemctl is-active httpd
systemctl is-enabled httpd

- status → shows if it's running + logs.

- is-`active` → tells if it's running right now.

- is-`enabled` → tells if it will run automatically on reboot.