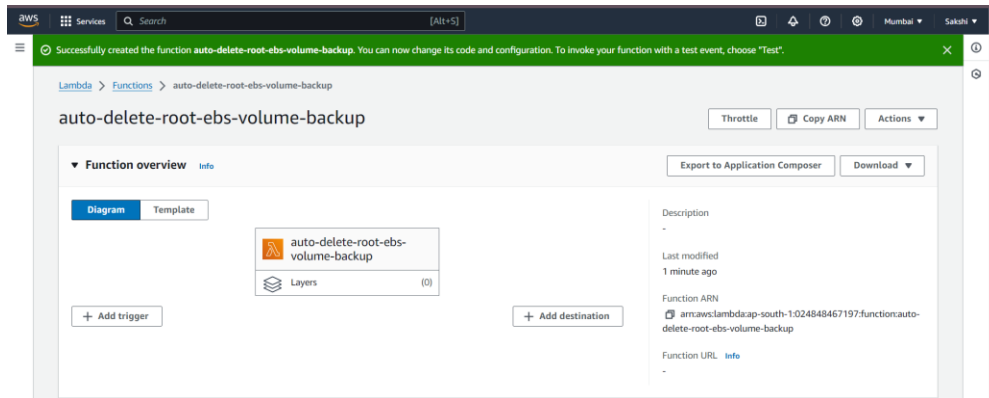## 30th August 2024 - Lambda and Bootstrapping
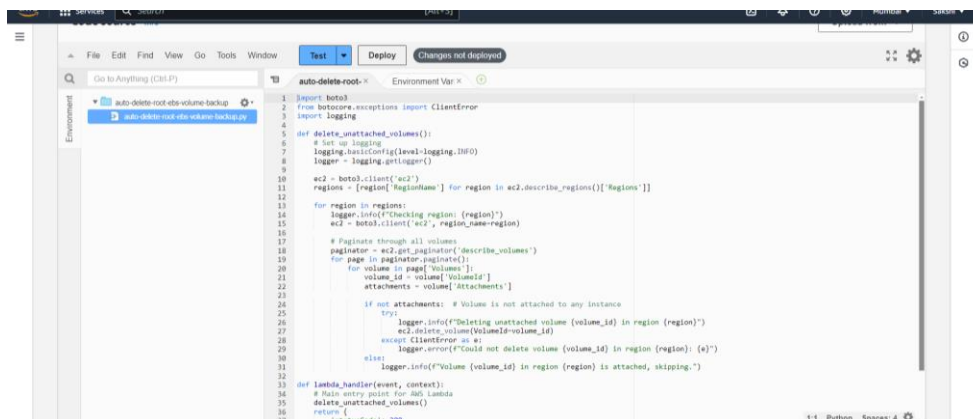
Lambda

A. Delete unused EBS Volume Across Regions
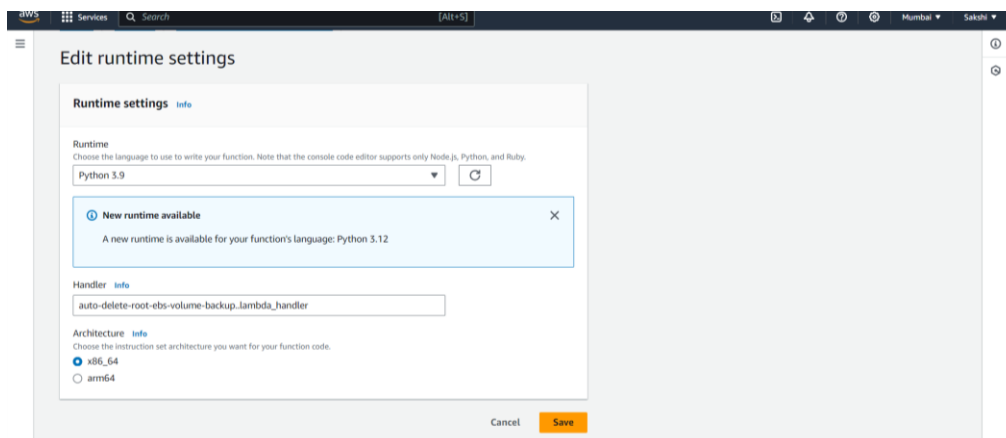
1. Create Lambda Function to delete the unused EBS volume across regions (auto-delete-root-ebs-volume-backup)

2. Create delete_unused_ebs_volume_across_regions.py file

3. Update the Handler

4. Change the timeout value for 3 seconds to 1 minute in Configuration settings

5. Create volume of 10 GB

6. Create an EC2 instance and check the number of volumes (2 or more)

7. Run the Lambda function manually
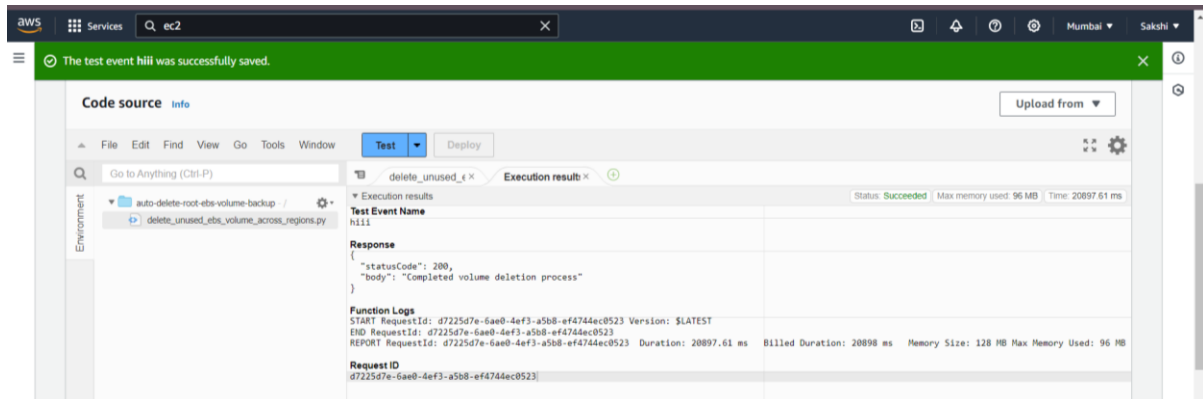
Bootstrap:

1. Create a EC2 instance with stuffing and installing telnet and httpd
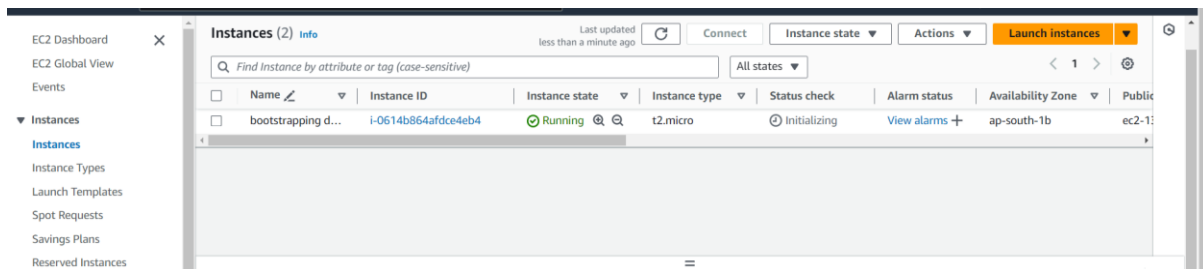
2. Check the memory, process running, etc.
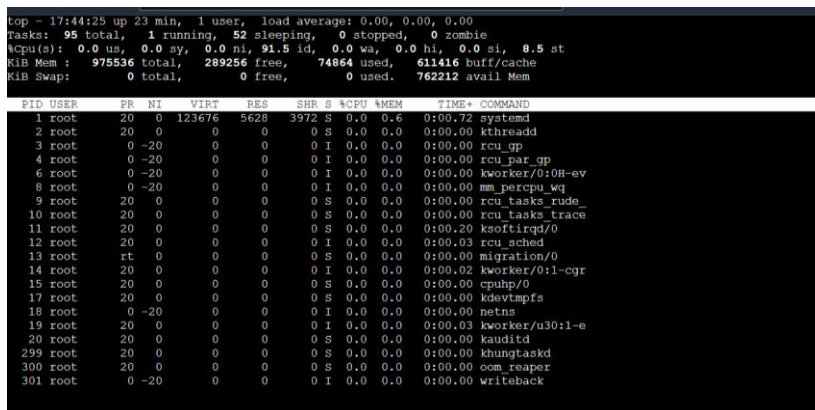
3. Check the created users

```
[root@ip-172-31-8-129 ~]#
[root@ip-172-31-8-129 ~]#
[root@ip-172-31-8-129 ~]# id sakshi
uid=1001(sakshi) gid=1001(sakshi) groups=1001(sakshi)
[root@ip-172-31-8-129 ~]# id riya
uid=1002(riya) gid=1002(riya) groups=1002(riya)
[root@ip-172-31-8-129 ~]#
```

4. Check whether the package of telnet and httpd installed or not?

```
[root@ip-172-31-8-129 ~]#
[root@ip-172-31-8-129 ~]# rpm -qa | grep telnet
telnet-0.17-65.amzn2.x86_64
[root@ip-172-31-8-129 ~]# ^C
[root@ip-172-31-8-129 ~]# ^C
[root@ip-172-31-8-129 ~]# rpm -qa | grep httpd
httpd-tools-2.4.62-1.amzn2.0.2.x86_64
generic-logos-httpd-18.0.0-4.amzn2.noarch
httpd-filesystem-2.4.62-1.amzn2.0.2.noarch
httpd-2.4.62-1.amzn2.0.2.x86_64
[root@ip-172-31-8-129 ~]#
```

5. Check the total number of packages installed on the system

```
[root@ip-172-31-8-129 ~]#
[root@ip-172-31-8-129 ~]# rpm -qa | wc -l
465
[root@ip-172-31-8-129 ~]#
```

6. Install git by using CLI and check the total number of packages

```
-----
Total                                                              51 MB/s |  13 MB  00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : git-core-2.40.1-1.amzn2.0.3.x86_64                                          1/6
  Installing : git-core-doc-2.40.1-1.amzn2.0.3.noarch                                      2/6
  Installing : 1:perl-Error-0.17020-2.amzn2.noarch                                         3/6
  Installing : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64                                   4/6
  Installing : perl-Git-2.40.1-1.amzn2.0.3.noarch                                          5/6
  Installing : git-2.40.1-1.amzn2.0.3.x86_64                                               6/6
  Verifying  : perl-TermReadKey-2.30-20.amzn2.0.2.x86_64                                   1/6
  Verifying  : git-2.40.1-1.amzn2.0.3.x86_64                                               2/6
  Verifying  : 1:perl-Error-0.17020-2.amzn2.noarch                                         3/6
  Verifying  : git-core-2.40.1-1.amzn2.0.3.x86_64                                          4/6
  Verifying  : git-core-doc-2.40.1-1.amzn2.0.3.noarch                                      5/6
  Verifying  : perl-Git-2.40.1-1.amzn2.0.3.noarch                                          6/6

Installed:
  git.x86_64 0:2.40.1-1.amzn2.0.3

Dependency Installed:
  git-core.x86_64 0:2.40.1-1.amzn2.0.3        git-core-doc.noarch 0:2.40.1-1.amzn2.0.3 perl-Error.noarch 1:0.17020-2.amzn2 perl-Git.noarch 0:2.40.1-1.amzn2.0.3
  perl-TermReadKey.x86_64 0:2.30-20.amzn2.0.2

Complete!
[root@ip-172-31-8-129 ~]# rpm -qa | wc -l
471
[root@ip-172-31-8-129 ~]#
```