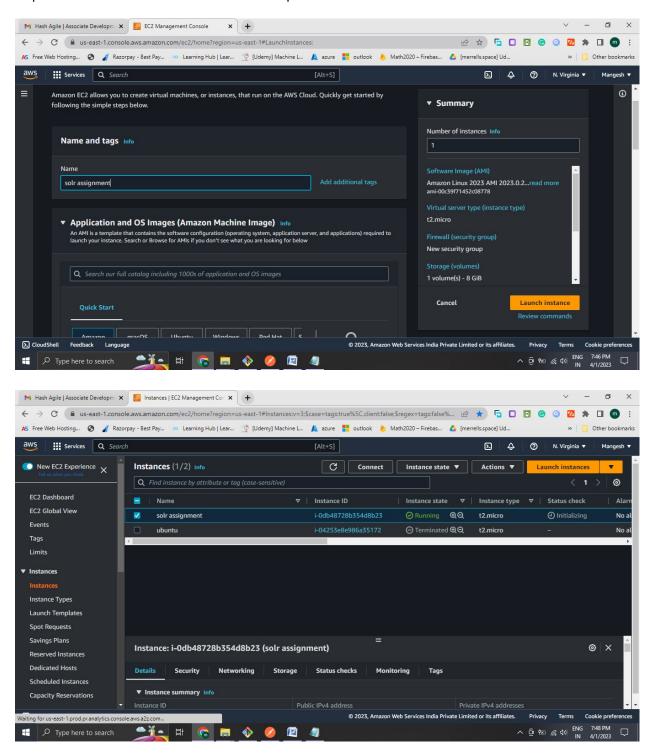
Apache solr

I used aws ec2 ubuntu for this assignment

Step1:created ec2 instance and allowed 8983 port

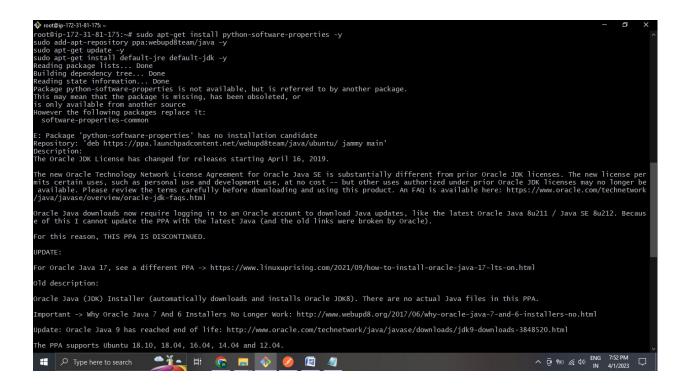


Step1:Update system

sudo apt-get update

Step2 install java

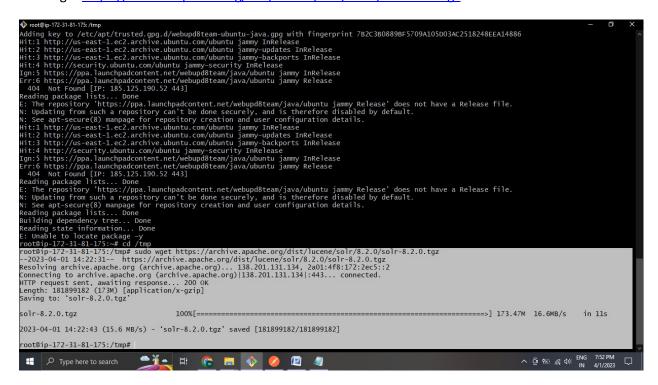
sudo apt-get install python-software-properties -y
sudo add-apt-repository ppa:webupd8team/java -y
sudo apt-get update -y
sudo apt-get install default-jre default-jdk –y



Step 3: Download Solr 8.2

cd /tmp

sudo wget https://archive.apache.org/dist/lucene/solr/8.2.0/solr-8.2.0.tgz



sudo tar xzf solr-8.2.0.tgz solr-8.2.0/bin/install_solr_service.sh --strip-components=2 sudo ./install_solr_service.sh solr-8.2.0.tgz

```
Proceedip-172-31-81-175:/tmp# sudo ./install_solr_service.sh solr-8.2.0.tg2
id: 'solr': no such user
Cdding yet muser solr' (UTD 115) ...
Adding new group' solr' (GGD 122) ...
Adding new user solr' (UTD 115) with group 'solr' ...
Creating home directory 'Var/solr' ...

Extracting solr-8.2.0.tgz to /opt

Installing ysmlink /opt/solr -> /opt/solr-8.2.0 ...

Installing /etc/default/solr.in.sh ...

Service solr installed.
Customize Solr startup configuration in /etc/default/solr.in.sh
solr.service - LSB: controls Apache Solr as a Service
Loaded: loaded /etc/init.d/solr generated)
Active: active (exited) since Sat 2023-04-01 14:25:44 UTC; 5s ago
Docs: man:systemd-sysve-generator(8)
Process: 5932 ExecStart-/etc/init.d/solr start (code-exited, status=0/SUCCESS)
CPU: Bas

Apr 01 14:25:35 ip-172-31-81-175 systemd[1]: Startony Apache Solr as a Service...
Apr 01 14:25:35 ip-172-31-81-175 su(5934]: (to solr) root on none
Apr 01 14:25:35 ip-172-31-81-175 su(5934): (to solr) root on none
Apr 01 14:25:35 ip-172-31-81-175 su(5934): (to solr) root on none
Apr 01 14:25:35 ip-172-31-81-175 su(5934): (to solr) root on none
Apr 01 14:25:34 ip-172-31-81-175 su(5934): (to solr) root on none
Apr 01 14:25:35 ip-172-31-81-175 su(5934): (to solr) root on none
Apr 01 14:25:34 ip-172-31-81-175 su(5930): Started Solr exercises on port 8938 (pid-5988) xlappy searching!
Apr 01 14:25:14 ip-172-31-81-175 su(5930): Started Solr exercises on port 8938 (pid-5988) xlappy searching!
Apr 01 14:25:14 ip-172-31-81-175 su(5930): Started Solr exercises on port 8938 (pid-5988) xlappy searching!
Apr 01 14:25:14 ip-172-31-81-175 su(5930): Started Solr exercises on port 8938 (pid-5988) xlappy searching!
Apr 01 14:25:14 ip-172-31-81-175 su(5930): Started Solr exercises on port 8938 (pid-5988) xlappy searching!
Apr 01 14:25:14 ip-172-31-81-175 su(5934) xlappy searching!
Apr 01 14:25
```

sudo systemctl status solr.service

```
      • P ropetip-172-31-81-175 /mmp# sudo systemct] status solr.service
      - Ø ×

      • Solr.service
      188 (controls) spacke Solr as a Service

      • Solr.service to the controls spacke Solr as a Service
      - Ø ×

      • Active: active (exited) since Sat 2023-04-01 14:25:44 UTC; lmin 5s ago
      - Ø ×

      • Docs: man:systemd sysv-generator(6)
      Process: 932 ExecStart=/etc/init.d/solr start (code=exited, status=0/SUCCESS)

      • CPU: 88s
      Apr 01 14:25:35 ip-172-31-81-175 systemd[1]: Starting LSB: Controls Apache Solr as a Service...

      • Apr 01 14:25:35 ip-172-31-81-175 sur[5394]: (to solr) root on none
      - Ø ×

      • Apr 01 14:25:35 ip-172-31-81-175 systemd[1]: Started Solr server on port 803 (pid-5983), Mappy searching!
      - Ø ×

      • Apr 01 14:25:44 ip-172-31-81-175 systemd[1]: Started LSB: Controls Apache Solr as a Service.
      - Ø ×

      • Apr 01 14:25:44 ip-172-31-81-175 systemd[1]: Started LSB: Controls Apache Solr as a Service.
      - Ø ×

      • Apr 01 14:25:44 ip-172-31-81-175 systemd[1]: Started LSB: Controls Apache Solr as a Service.
      - Ø ×

      • Apr 01 14:25:44 ip-172-31-81-175 systemd[1]: Started LSB: Controls Apache Solr as a Service.
      - Ø ×

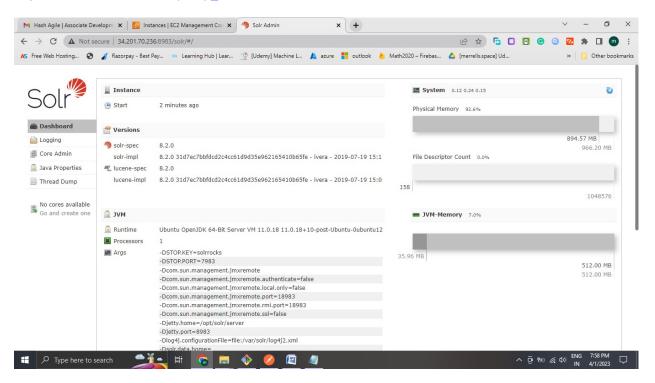
      • Apr 01 14:25:44 ip-172-31-81-175 systemd[1]: Started LSB: Controls Apache Solr as a Service.
      - Ø ×

      • Apr 01 14:25:44 ip-172-31-81-175 systemd[1]: Started LSB: Controls Apache Solr as a Service.
      - Ø ×

      • Apr 01 14:25:44 ip-172-31-81-175 system
```

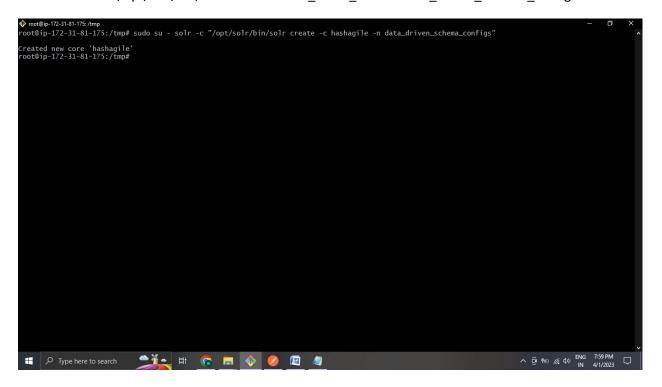
Step 5: Testing Solr

http://localhost:8983 or http://ip_address:8983

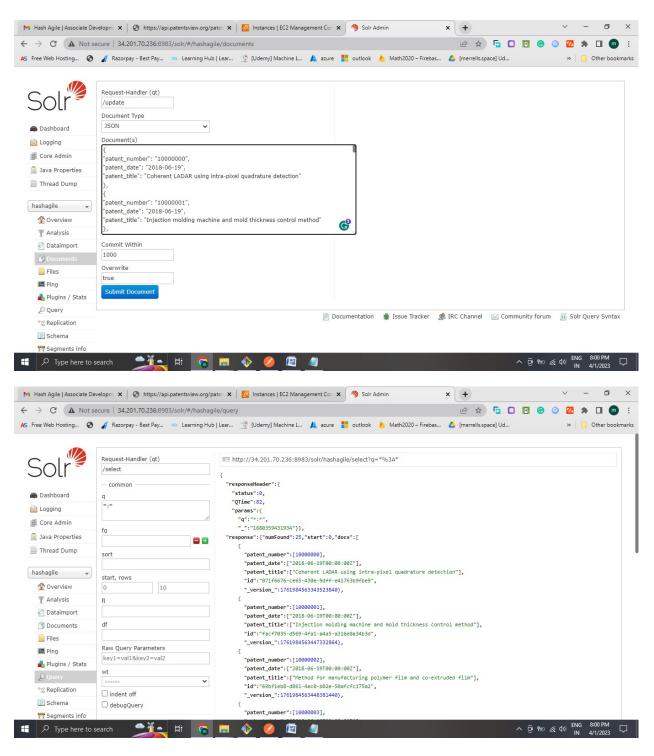


Step 7: Creating a Core

sudo su - solr -c "/opt/solr/bin/solr create -c core_name_here -n data_driven_schema_configs"



Step 8:Upload Data



Create schema

