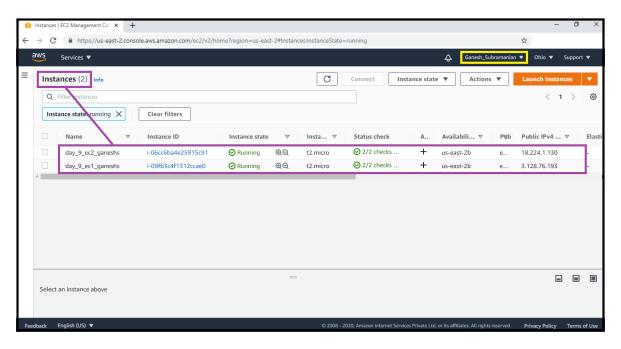
Project 3:

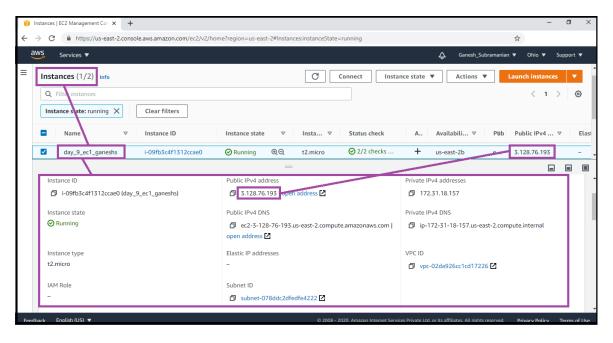
Step 1: Create two linux instances

Screenshot 1: Instances List



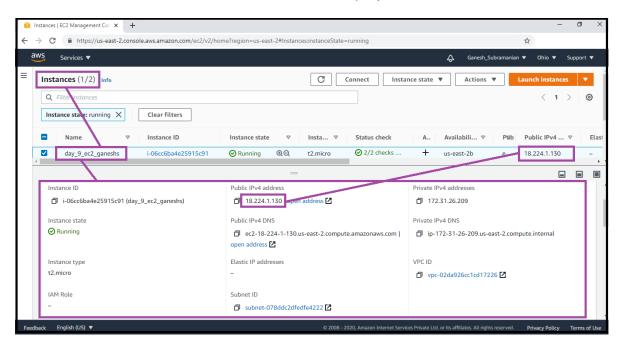
2 Instance's Created: - "day_9_ec1_ganeshs" / "day_9_ec2_ganeshs".

Screenshot 2: Select an instance and display instance details of server1



⇒ Instance 1 Details: - "day_9_ec1_ganeshs".

Screenshot 3: Select an instance and display instance details of server2



⇒ Instance 2 Details: - "day_9_ec2_ganeshs".

Step 2: Launch both Instance and host html login webpage on both servers

Screenshot 4: Status: Active running- black screen for Server 1

⇒ Active Status Running for Server 1: - "day_9_ec1_ganeshs".

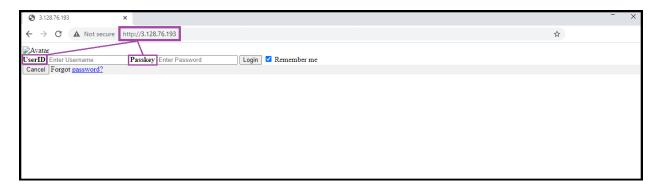
Screenshot 5: Status: Active running- black screen for Server 2

```
| Content | Cont
```

⇒ Active Status Running for Server 2: - "day_9_ec2_ganeshs".

Step 3: Check if application is deployed on both servers by copy pasting the public IP of the servers into the browser.

Screenshot 6: User id & Passkey Page



⇒ Application successfully deployed (UserID / Passkey) on Server 1 and the same is displayed in the browser by accessing the Public IP of the Server 1: - "3.128.76.193" (Public IP of Server 1).

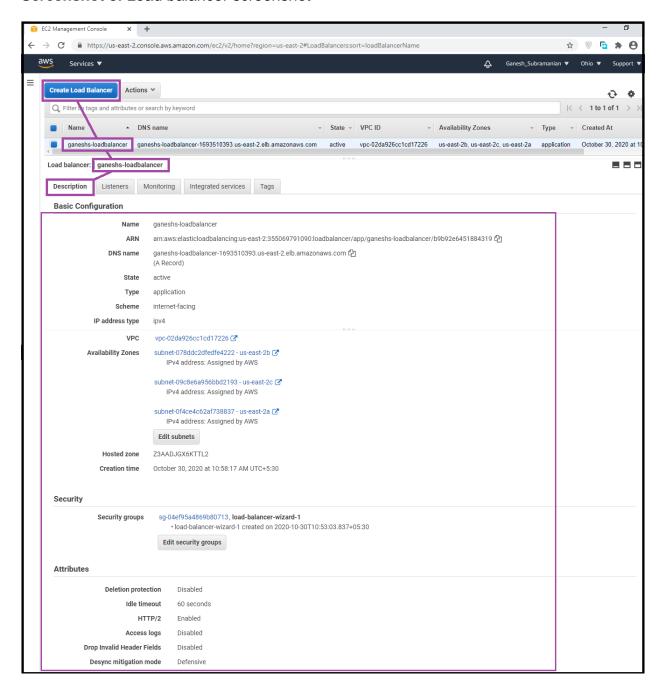
Screenshot 7: Username & Password Page



⇒ Application successfully deployed (Username / Password) on Server 2 and the same is displayed in the browser by accessing the Public IP of the Server 2: - "18.224.1.130" (Public IP of Server 2).

Step 4: Create an application Load balancer with the above two instances as targets

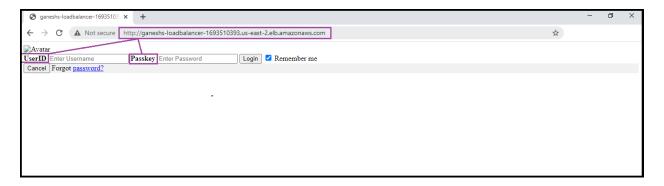
Screenshot 8: Load balancer screenshot



⇒ Load Balancer Creation: - "ganeshs-loadbalancer"

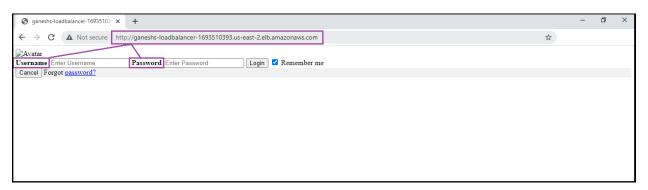
Step 5: Check the functioning of ELB using the DNS of the ELB use the DNS

Screenshot 8: Reply from Server 1



Reply from Server 1: - Trying to access the DNS Name link on the browser of the Elastic Load Balancer

Screenshot 8: Reply from Server 2



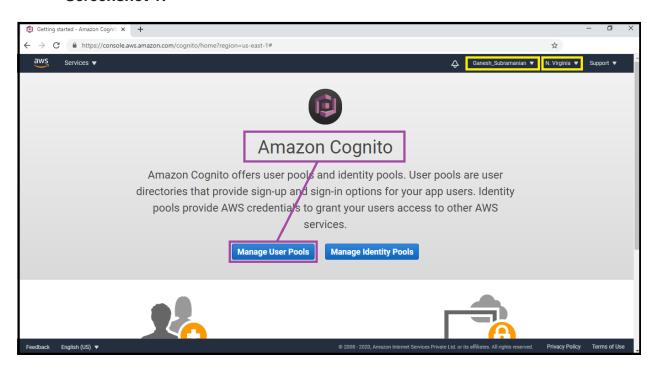
Reply from Server 2: - Trying to access the DNS Name link on the browser of the Elastic Load Balancer

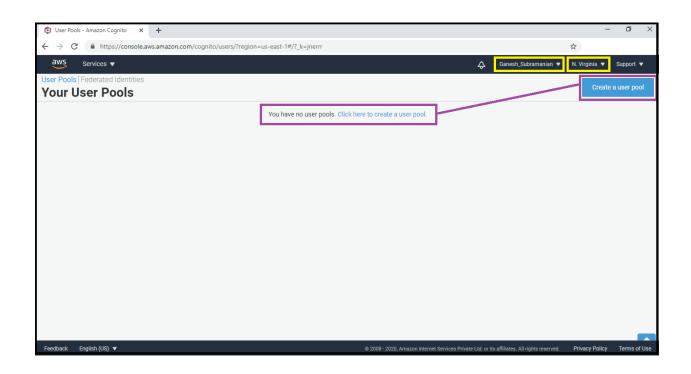
Creating a User Pool in AWS Cognito

Creating a User Pool

- 1. Navigate to Cognito by clicking on the menu at the top, click on Cognito under the section.
- 2. Make sure you are in the US East (N. Virginia) us-east-1 Region. Click on **Manage User Pools**.
- 3. Click on Create a User Pool.

Screenshot 1:

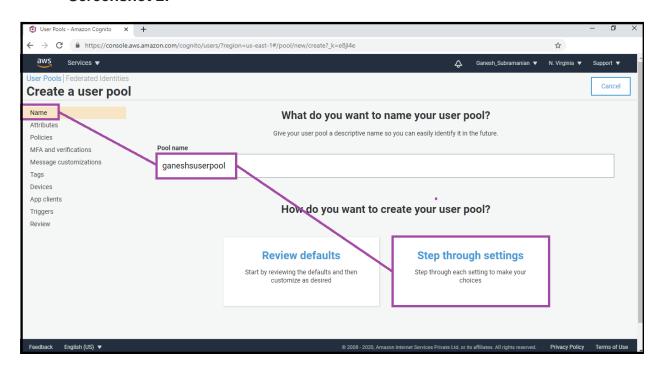


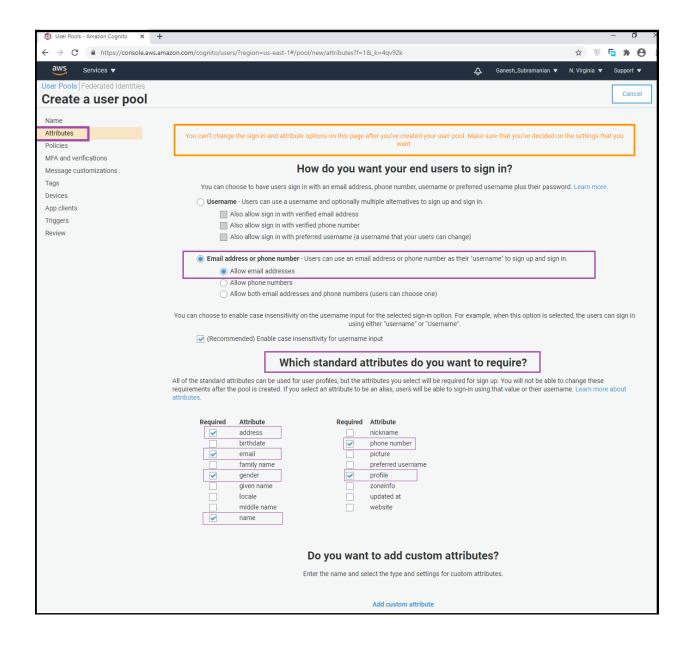


Name and Attributes

- 4. Give your User Pool a descriptive name, (which is required for the identity).
- 5. We choose **Step through settings** to make each setting our own choice as shown below.
- 6. In the Attributes page, we can mention how a user could perform a sign in.
- 7. You can choose to have users sign in with an email address, phone number, username or preferred username plus their password.
- 8. Here we choose **Email address or Phone number**, where Users can use an email address or phone number as their username to sign up and sign in. Here, choose Allow email addresses.
- 9. We can choose the **Standard Attributes**, which will be required while performing a sign up. Here, we choose **Address**, **Email**, **Gender**, **Name**, **Phone Number**, **Profile** which are required to perform a signup.
- 7 We can also customize our attributes that are required while signup by clicking Add Custom Attribute.

Screenshot 2:

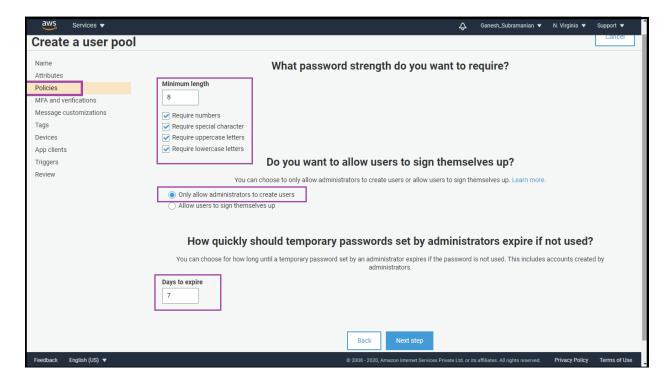




Policies

- We give the Minimum Password Strength and can add the required parameters like numbers, lowercase, uppercase and special characters. Here, we select all the parameters.
- 2. Choose Only allow administrators to create users.
- 3. As admin, you can configure when temporary passwords should expire. This includes accounts created by administrators i.e. if you choose **only allow administrators to create users**. Here, we can leave the option as we don't select it.
- 4. Choose Days to Expire.
- 5. Click on Next Step.

Screenshot 3:



Tags:

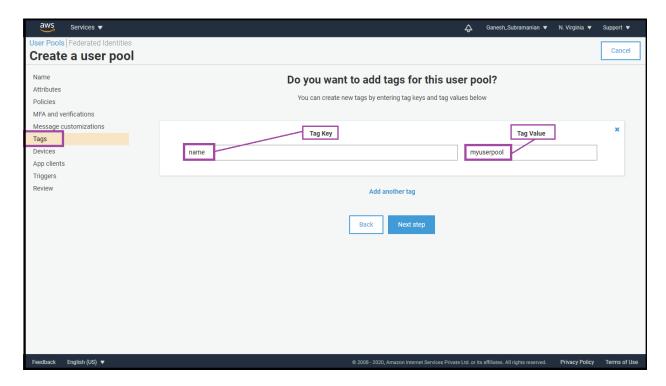
1. You can create new tags by entering tag keys and tag values.

• Tag Key: Enter name

• Tag Value: Enter myuserpool

2. Click on Next Step.

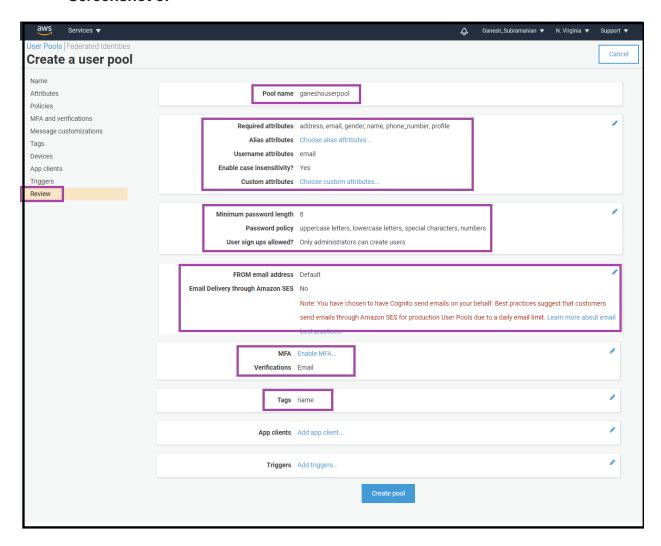
Screenshot 4:

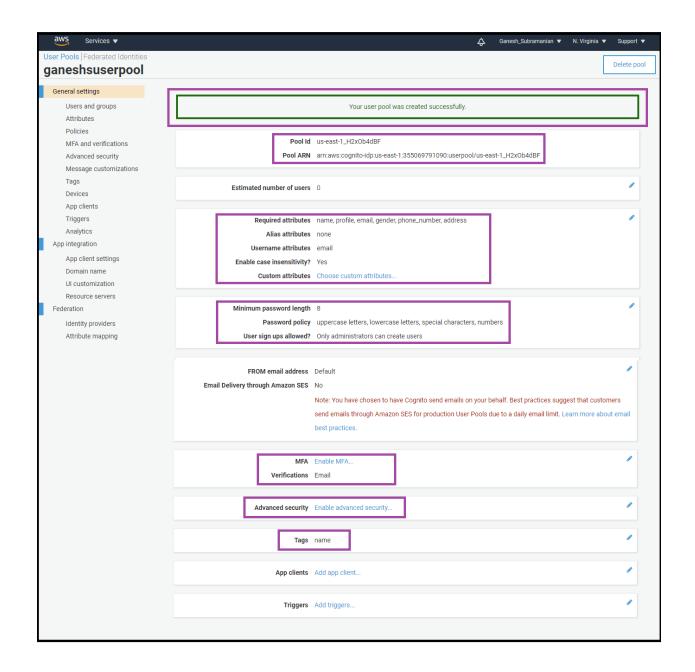


Review:

- 1. Review all the settings and click on Create Pool as shown below.
- 2. You'll get a message as Your user pool was created successfully.
- 3. On the Top left, click on User Pools to see Your User Pools.
- 4. Navigate to Cognito, click on Users and groups to navigate to the Users page as shown below.
- 5. Here, we can start creating Users and **Groups**.
- 6. From an Administrative perspective, if we have an application, the application would then invoke the Amazon Cognito to create User itself.

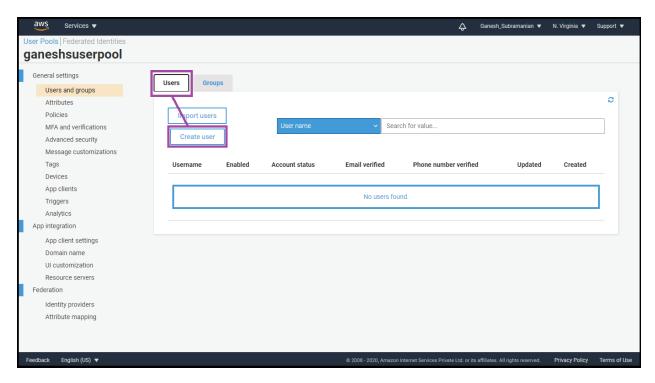
Screenshot 5:

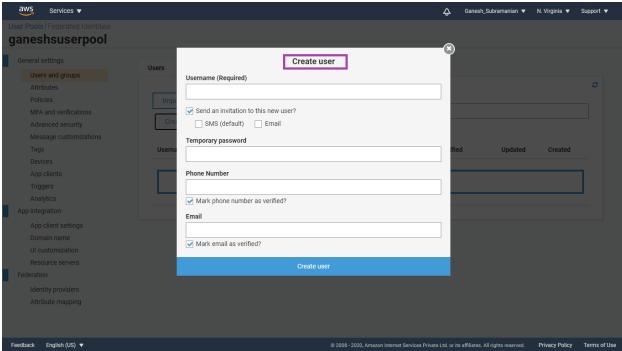




Create Users page with Details:

Screenshot 6:





Create groups page with Details:

Screenshot 7:

