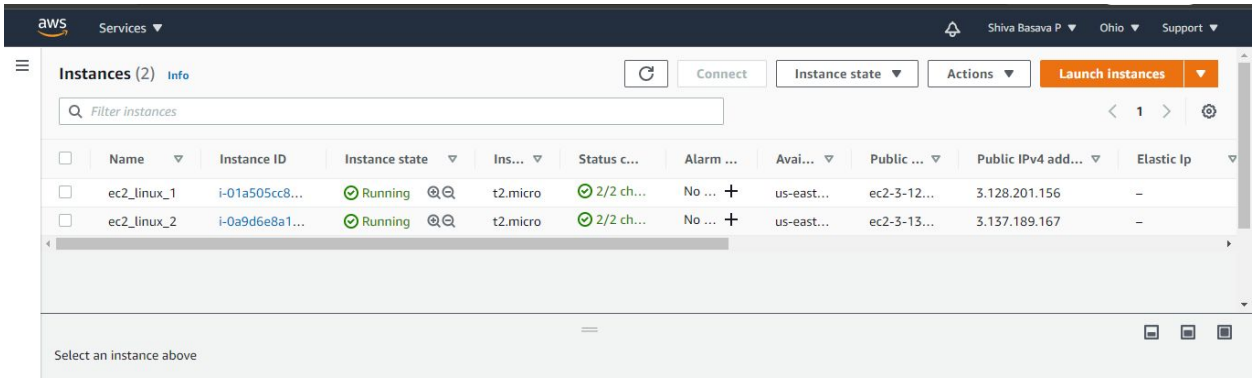
Assignment Solution Day 9 & 10

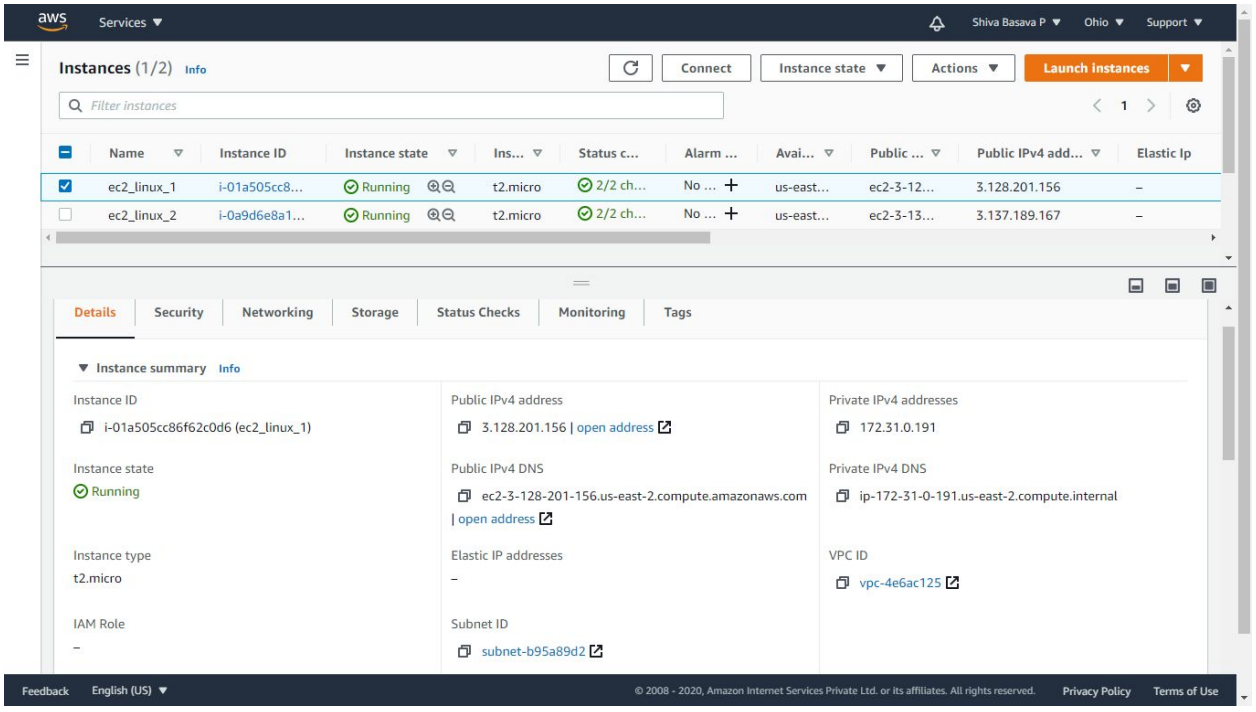
I. Project 1 : Elastic Load Balancer

1. Created two linux instances.

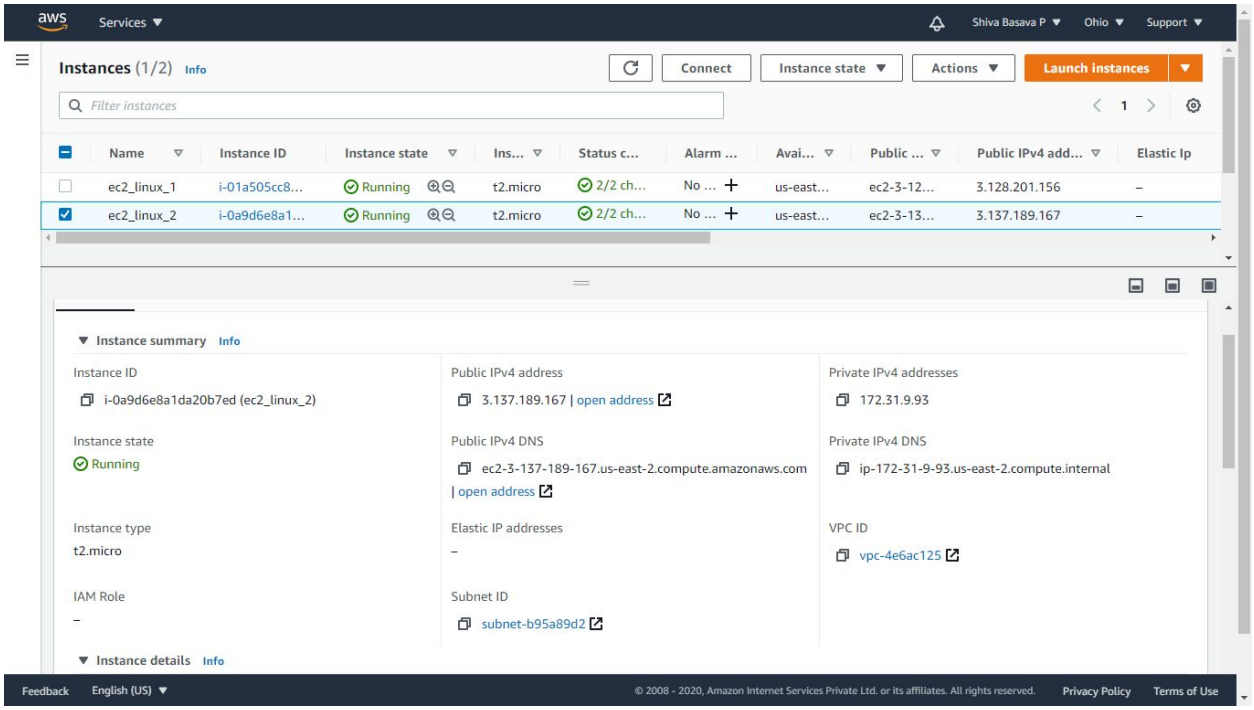
An overview screenshot.



Each linux instance details -
1st linux instance, **Public IP** - **3.128.201.156**

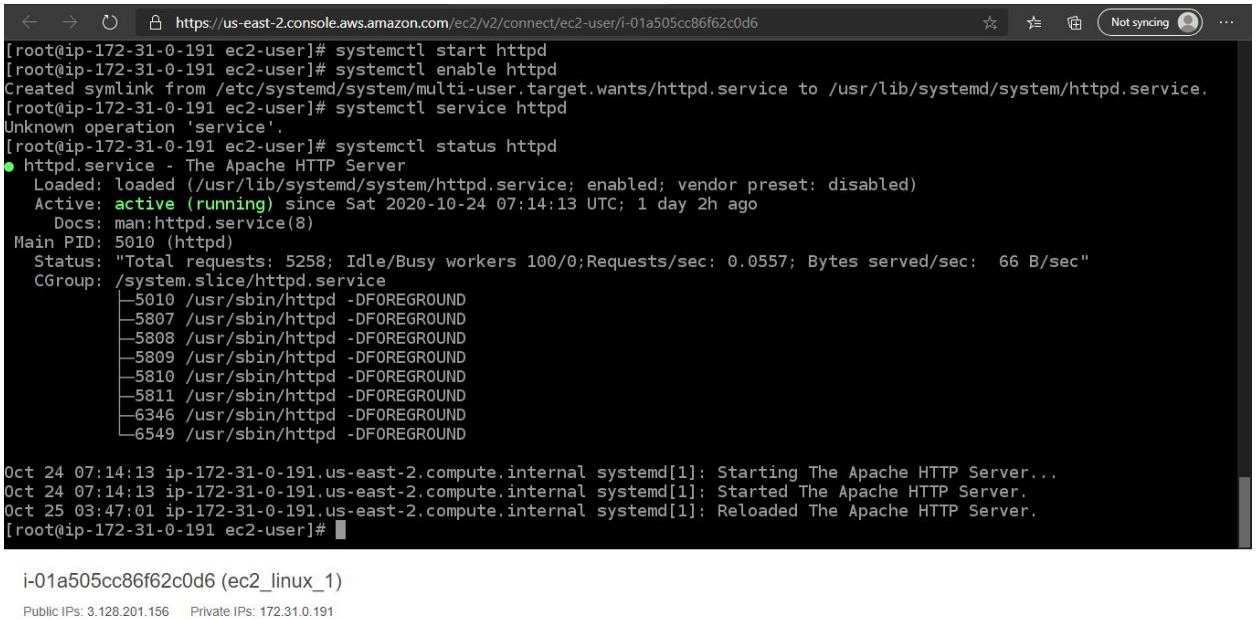


2nd linux instance,**Public IP** - **3.137.189.167**

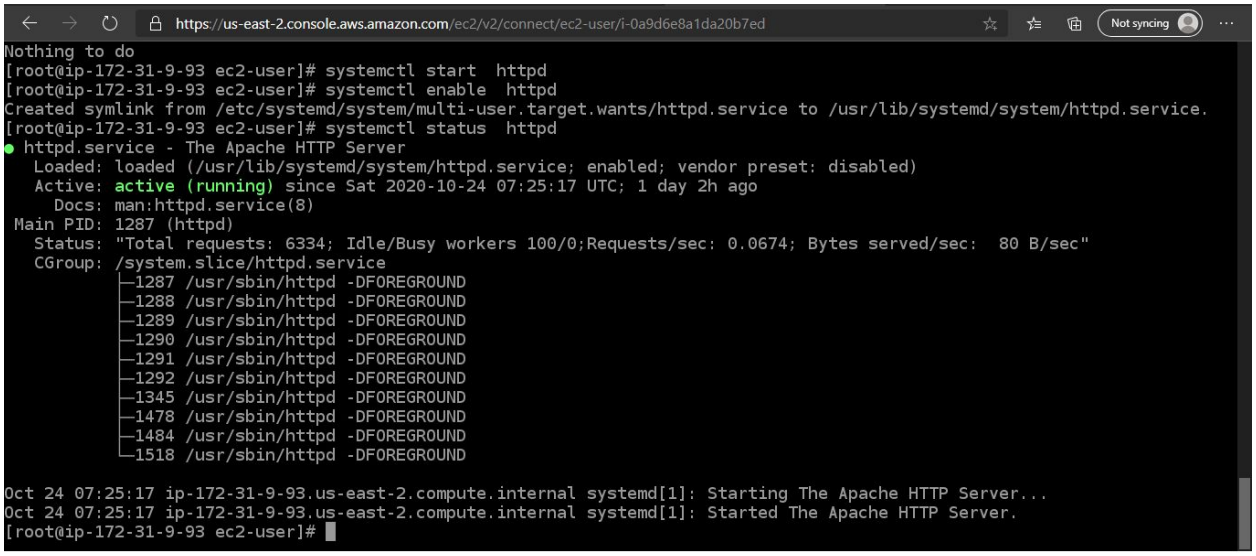


2. Launched both instances.
3. Hosted html login web page on both servers,
   Below is the screenshot for both server **Status:Active (running)**

Web Server 1

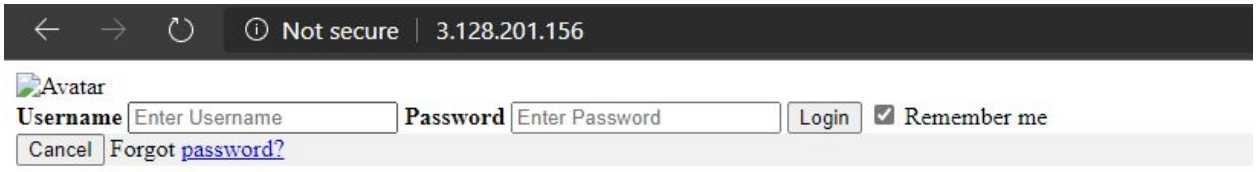


Web Server 2



4. Checking if application is deployed on both servers by copy pasting the public ip of the servers into the browser.

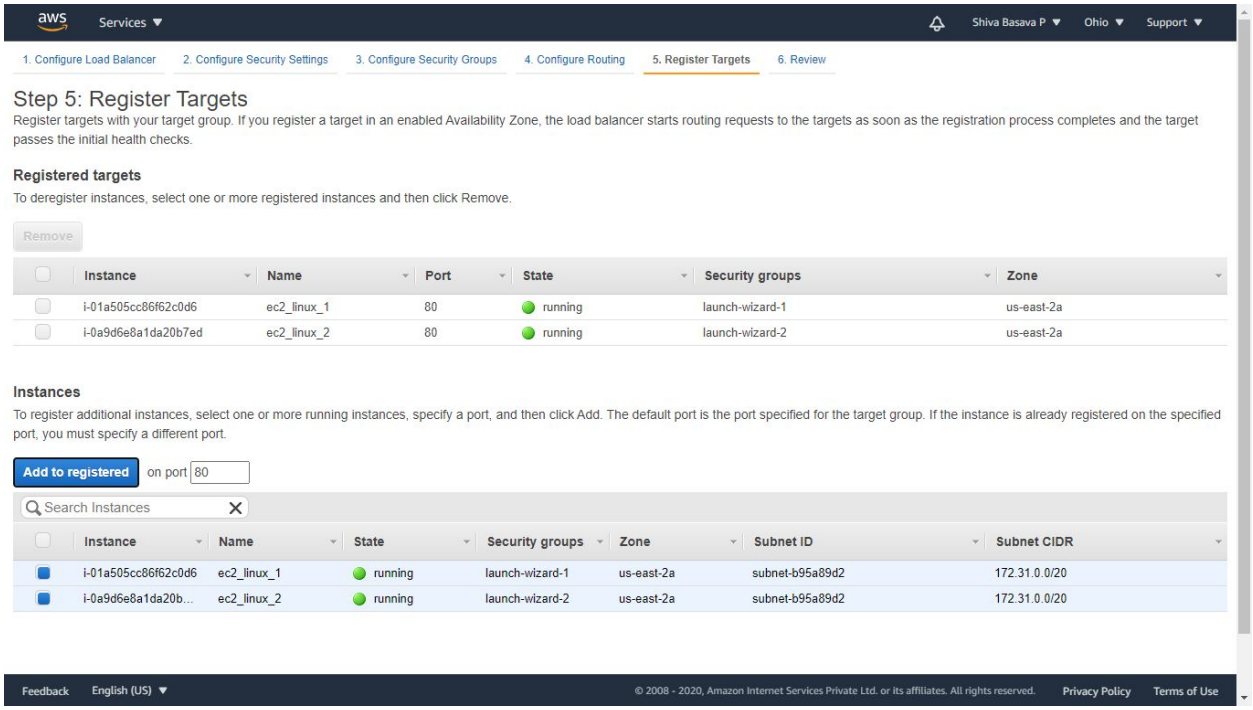
1st server, **Public IP** - **3.128.201.156** at browser

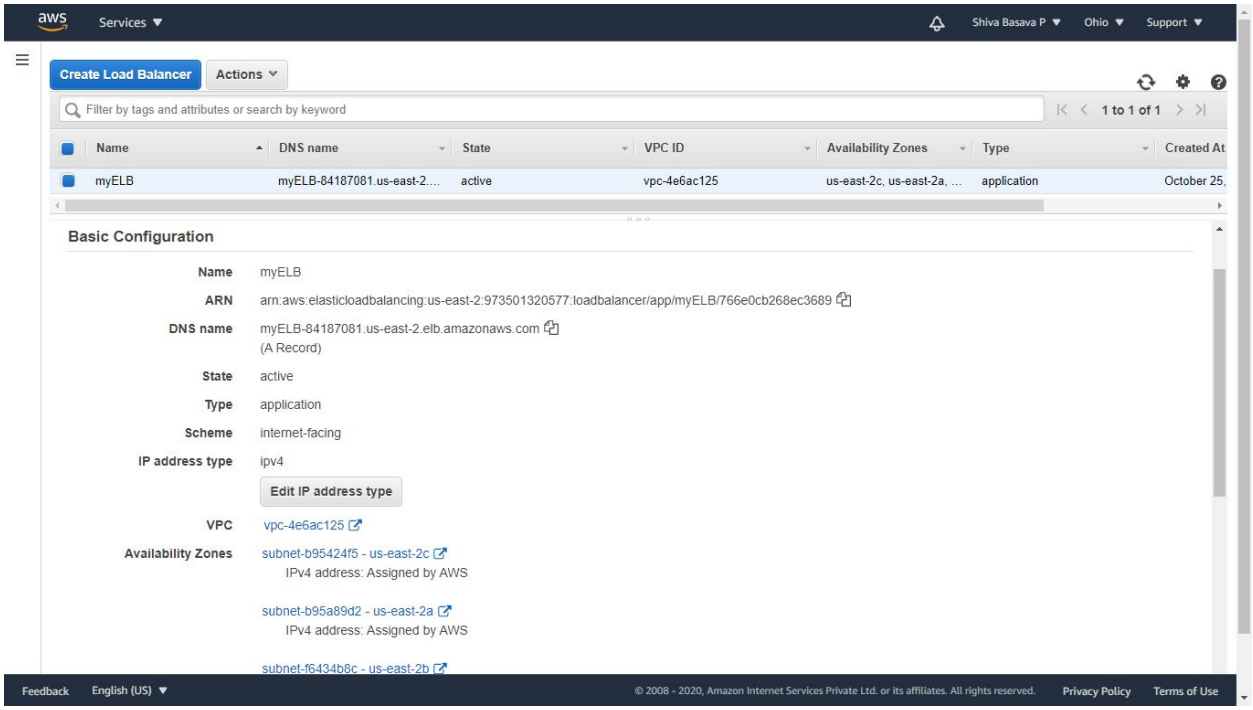


2nd server, **Public IP** - **3.137.189.167** at browser

(we can notice that in the above two screenshots of EC2 Linux instances, the labels for both the text boxes are different.)

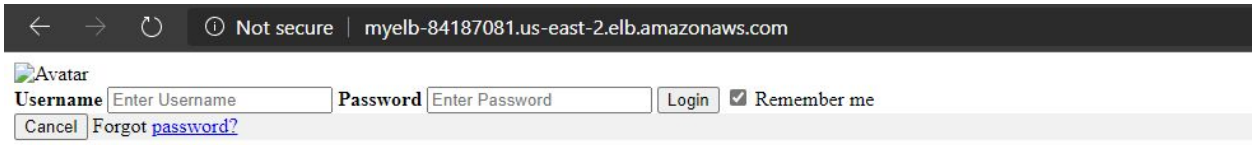
5. Created an **Application Load Balancer(**myELB**)** with the above two instances as targets. Following are the screenshots -
Registered the instances as **Targets**.



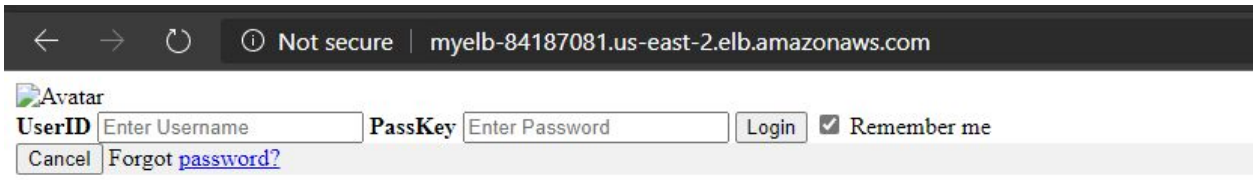


6. Checking the functioning of ELB (**myELB**) using the DNS link (**myelb-84187081.us-east-2.elb.amazonaws.com**) of the ELB -

   Reply from **1st** server, when accessing the DNS link of myELB -



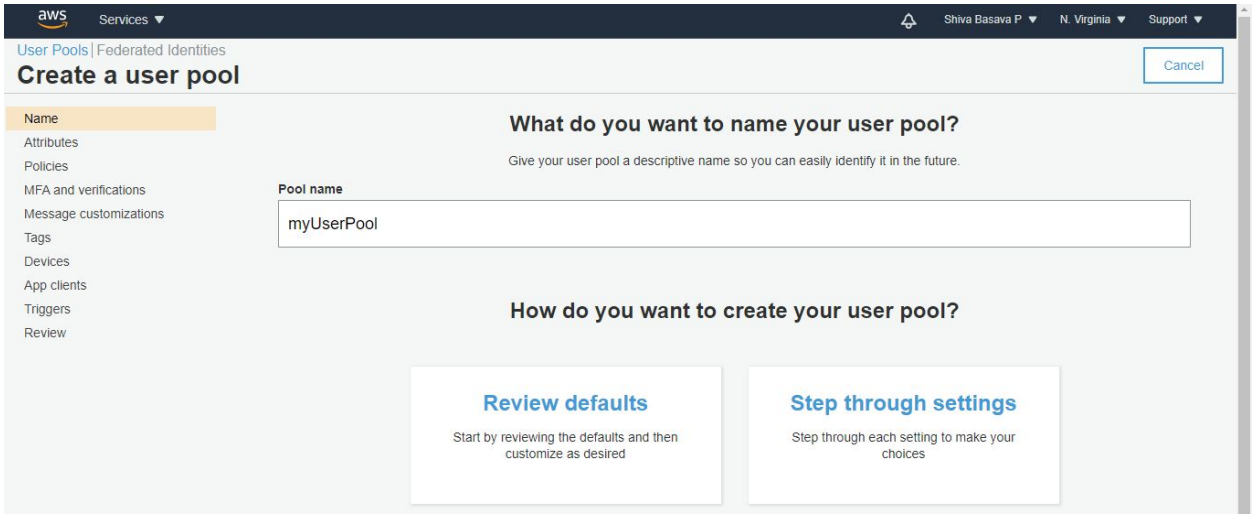
   Reply from **2nd** server, when accessing the DNS link of myELB -



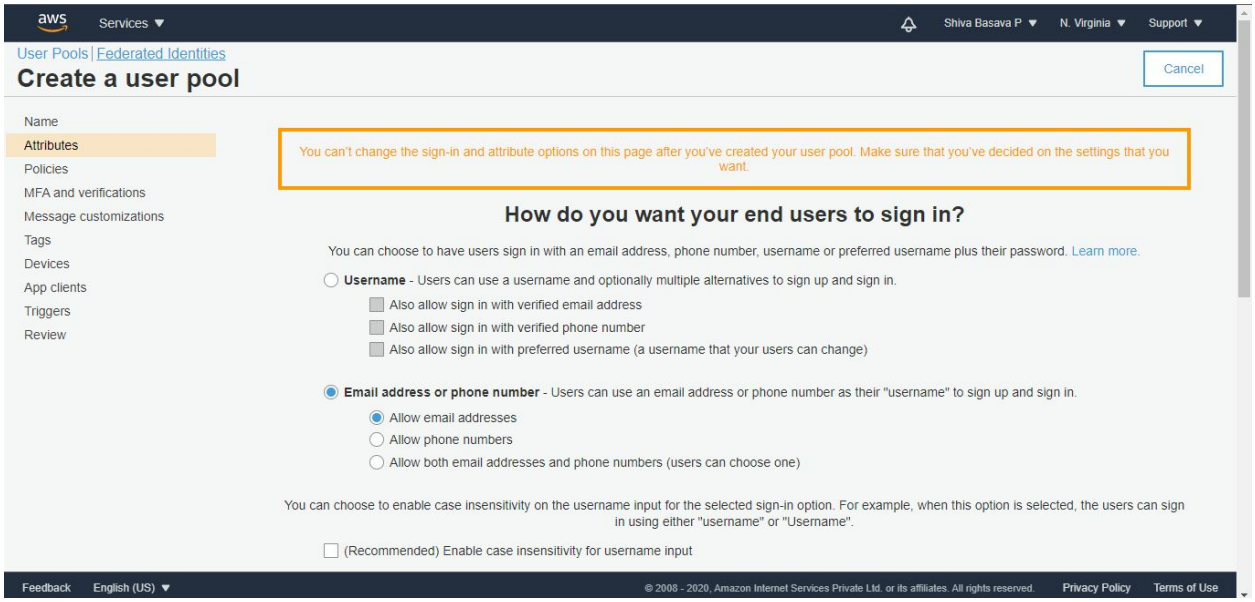
II. **Project 2** : Creating a User Pool in AWS Cognito.

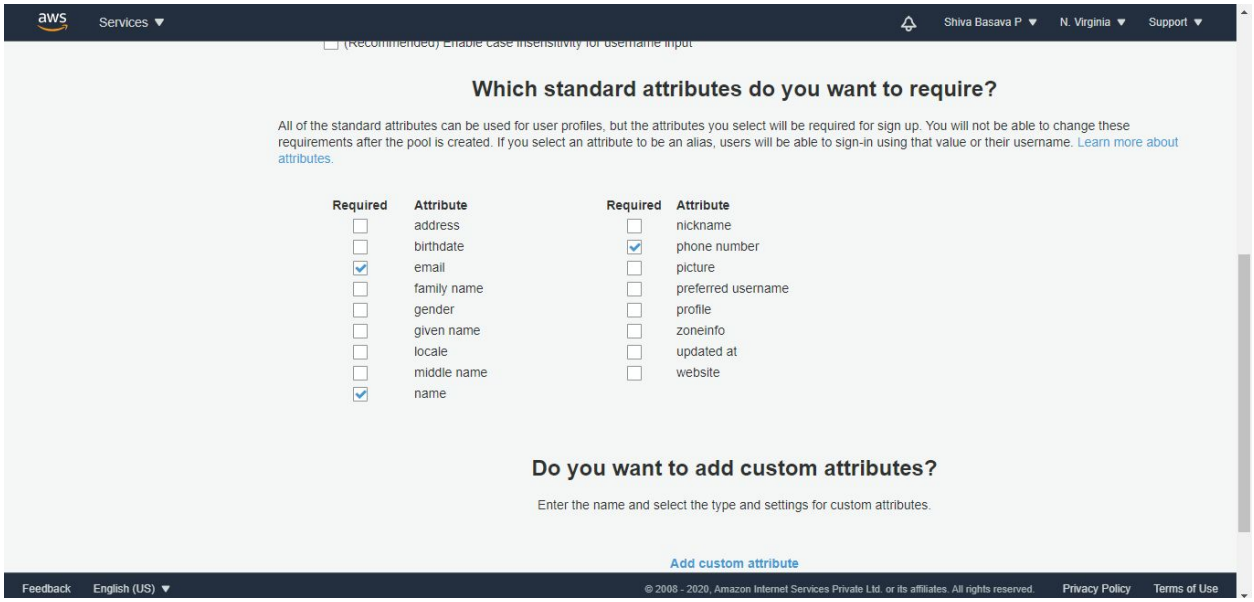
1. Selected **US East (N. Virginia) us-east-1** as Region.

2. Navigated to **Cognito** & Clicked on **Create a User Pool**. We choose **Step through settings** to make each setting our own choice as shown below.

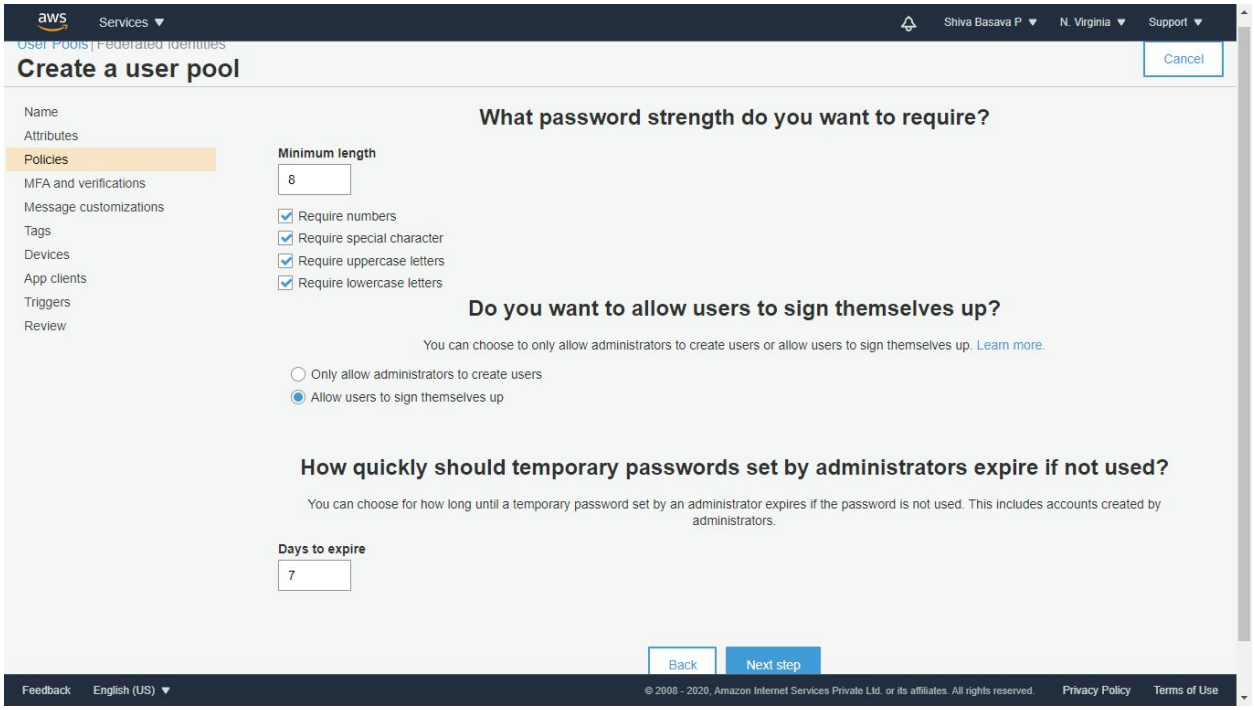


3. In the **Attributes page**, we can mention how a user could perform a sign in. Following are the screenshots,



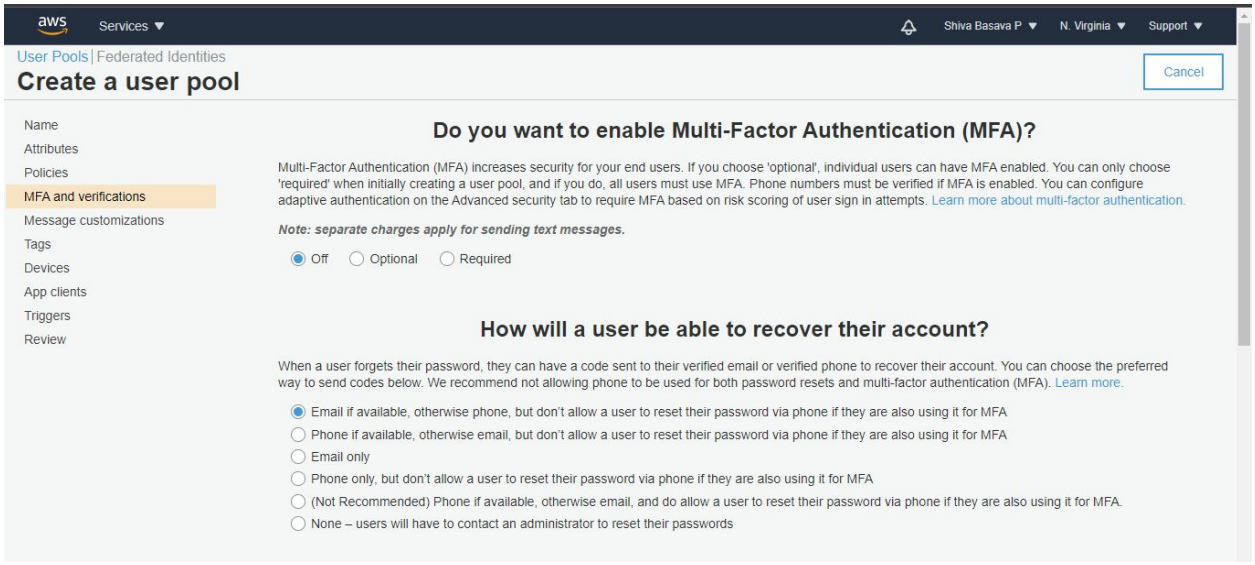


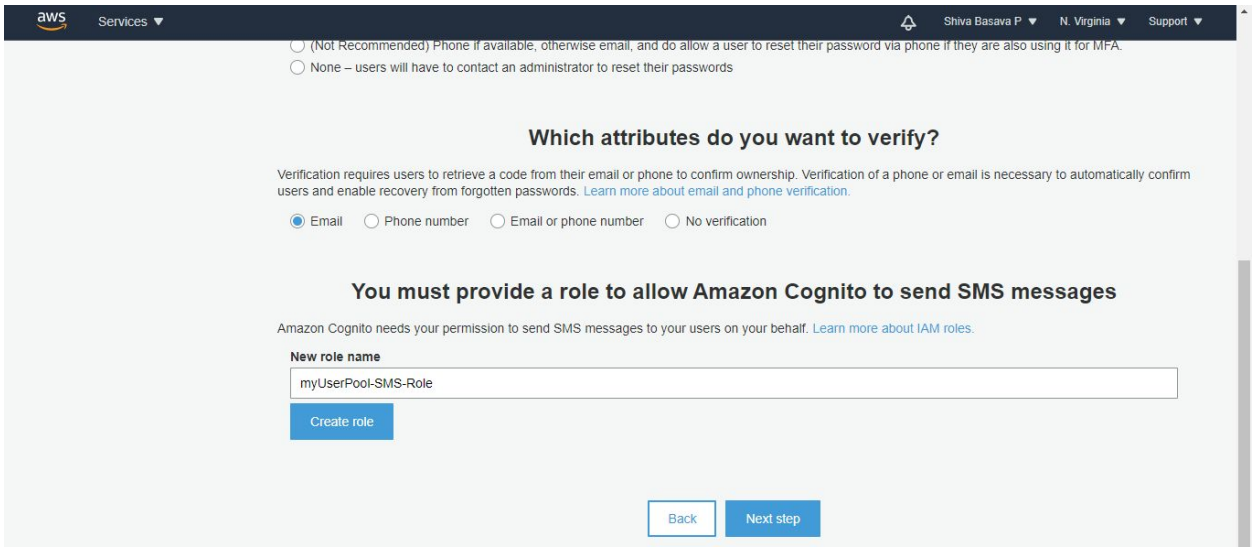
4. After clicking on Add attribute, Provide the following **Policies**



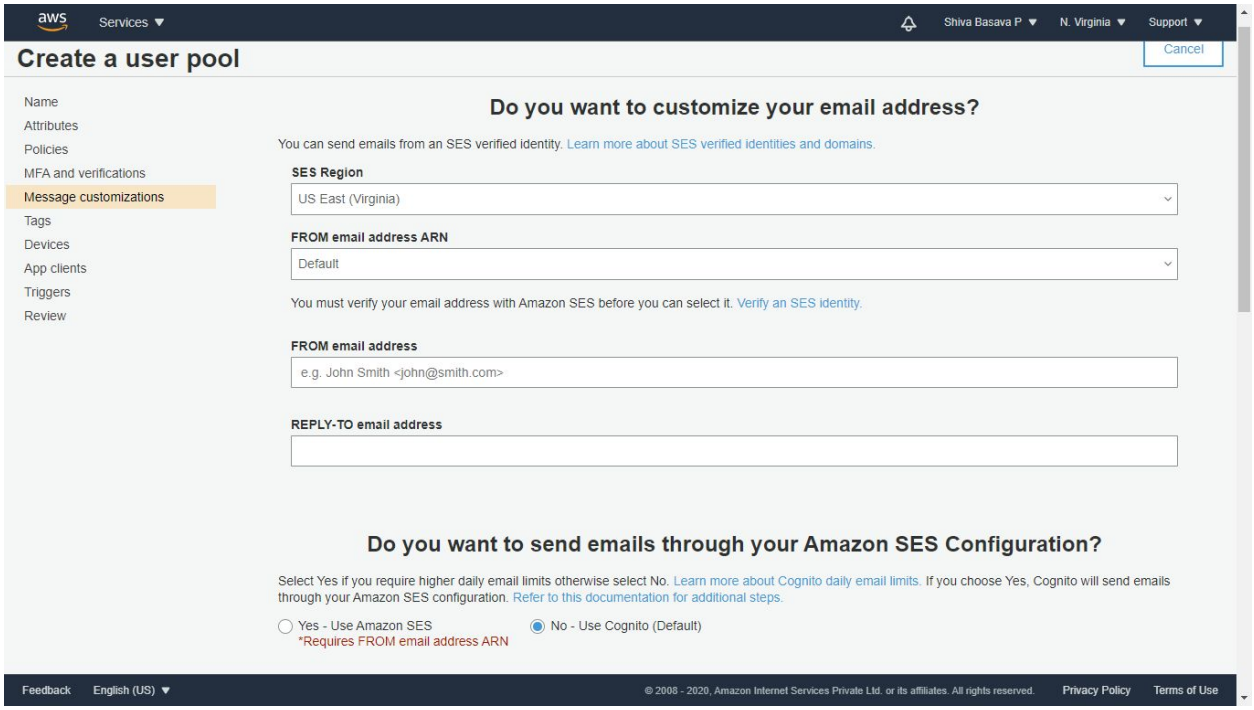
5. We are using default settings for **MFA and verifications**, **Message customizations**, **Tags**, **Devices**, **App clients**, **Triggers.**
   As shown in the following screenshots-

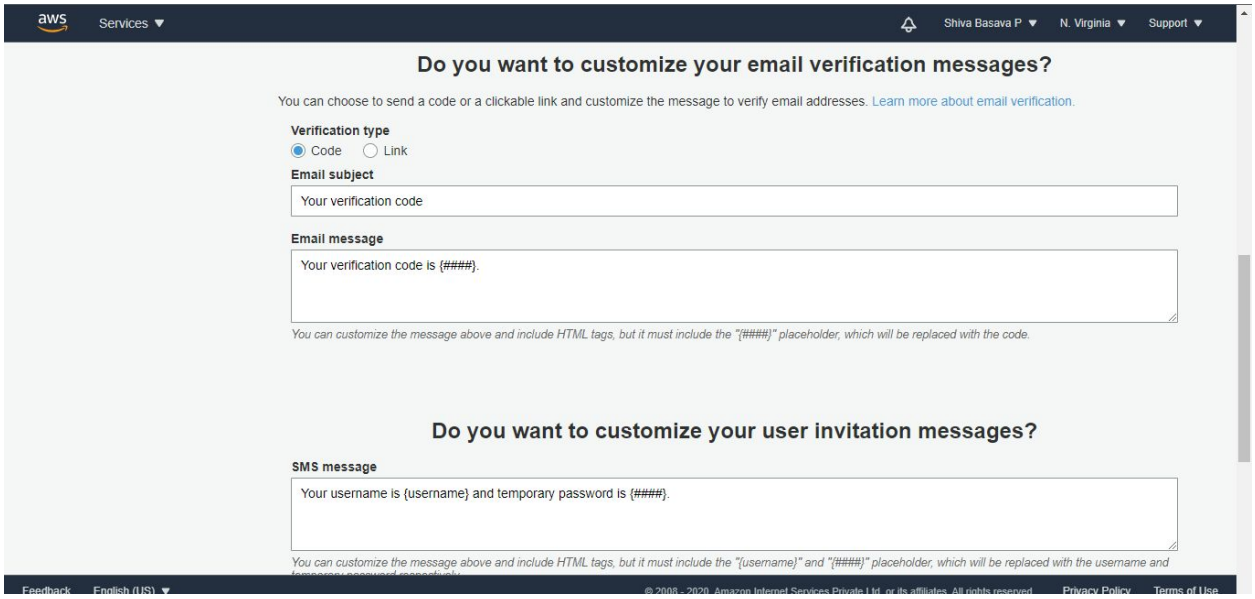
(MFA and verifications)

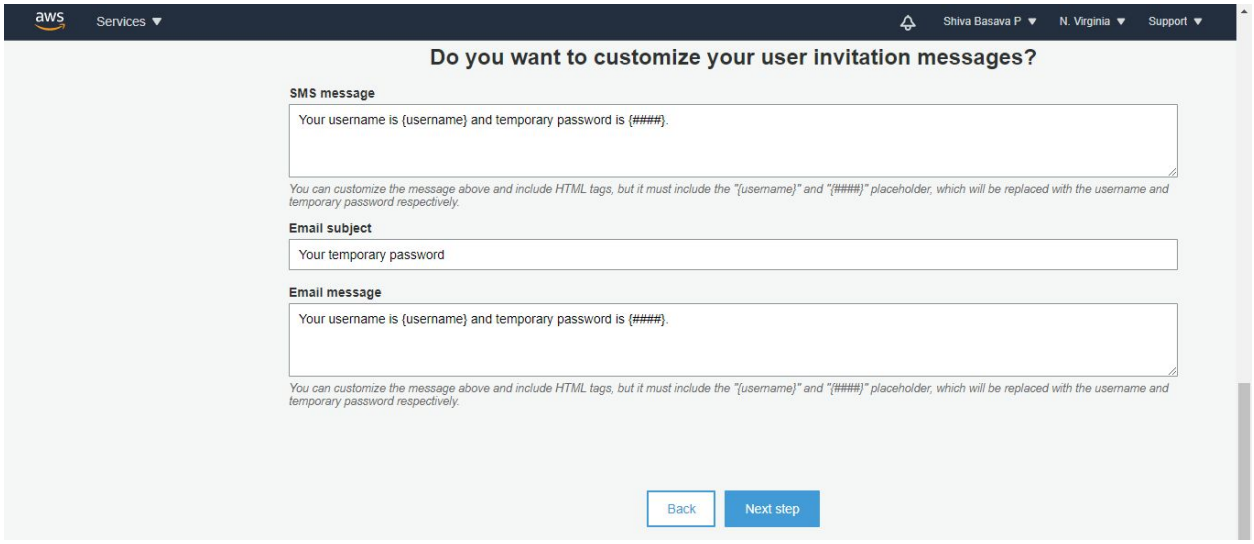




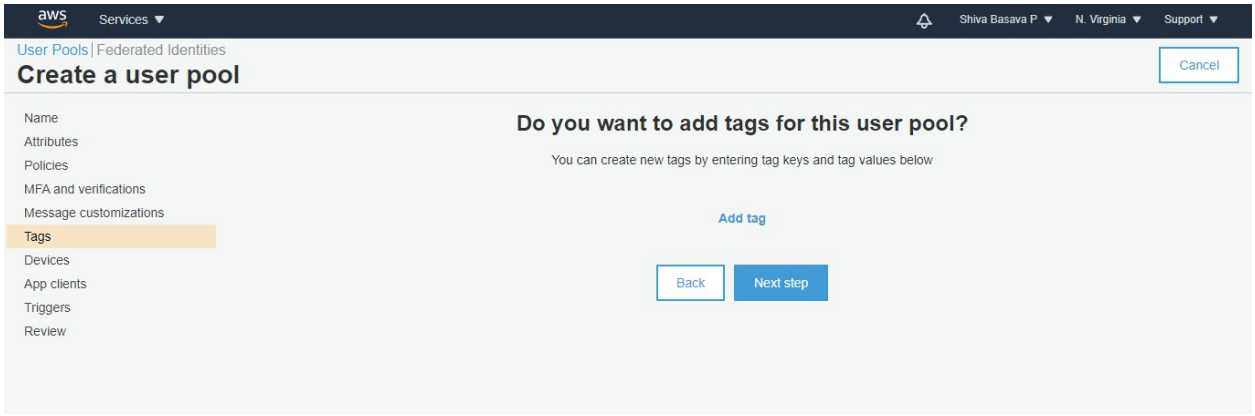
(Message customizations)



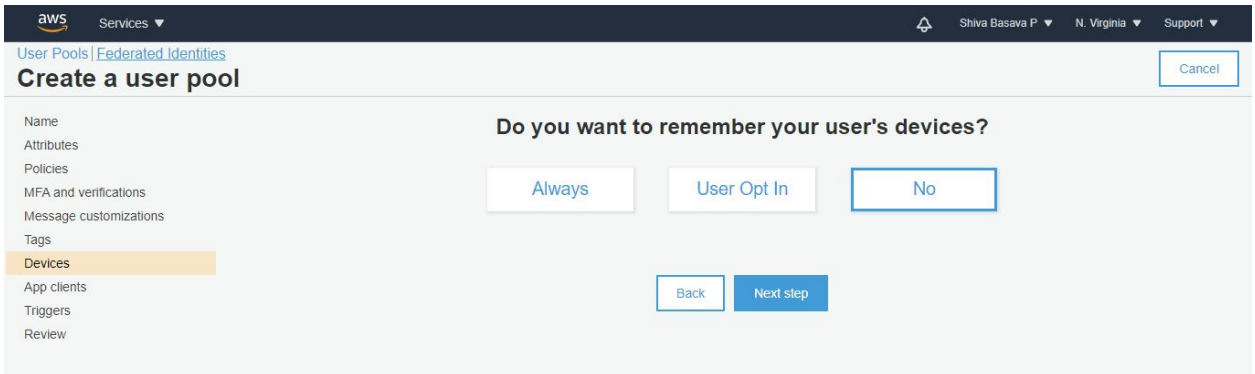




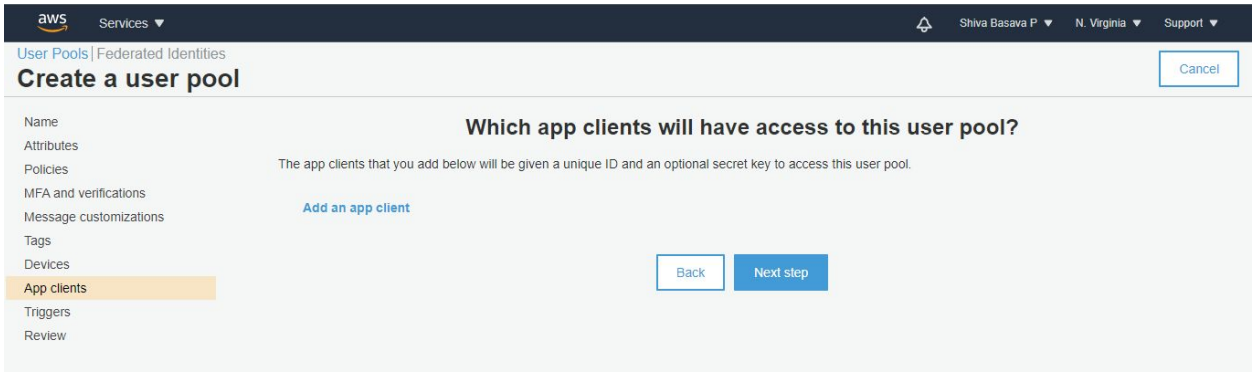
(Tags)



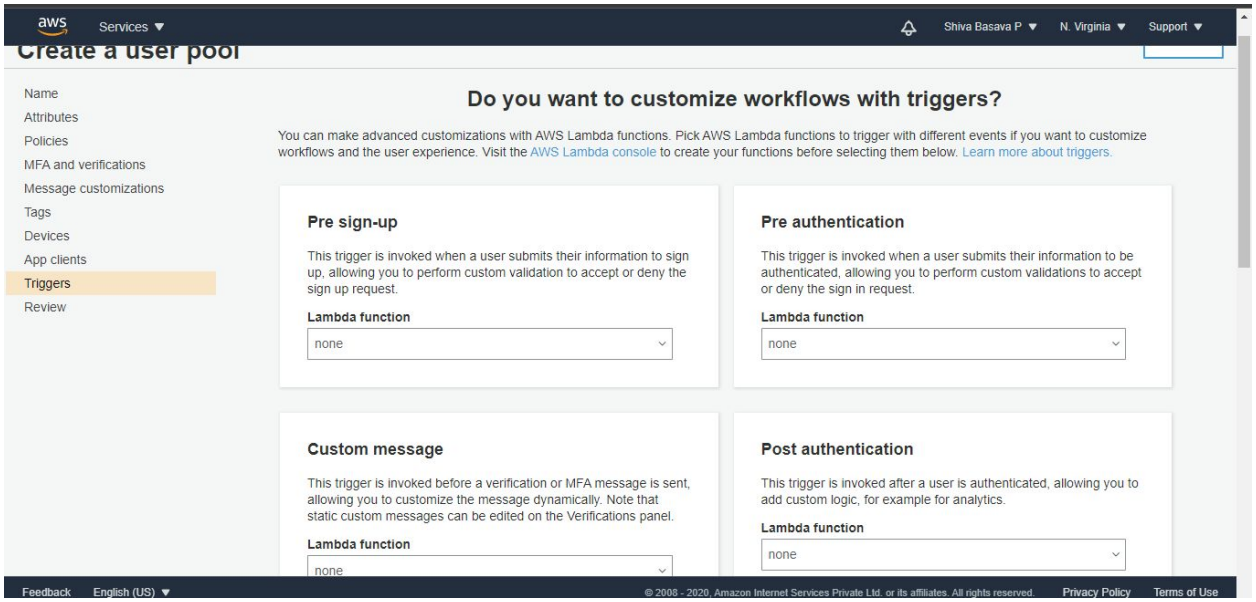
(Devices)

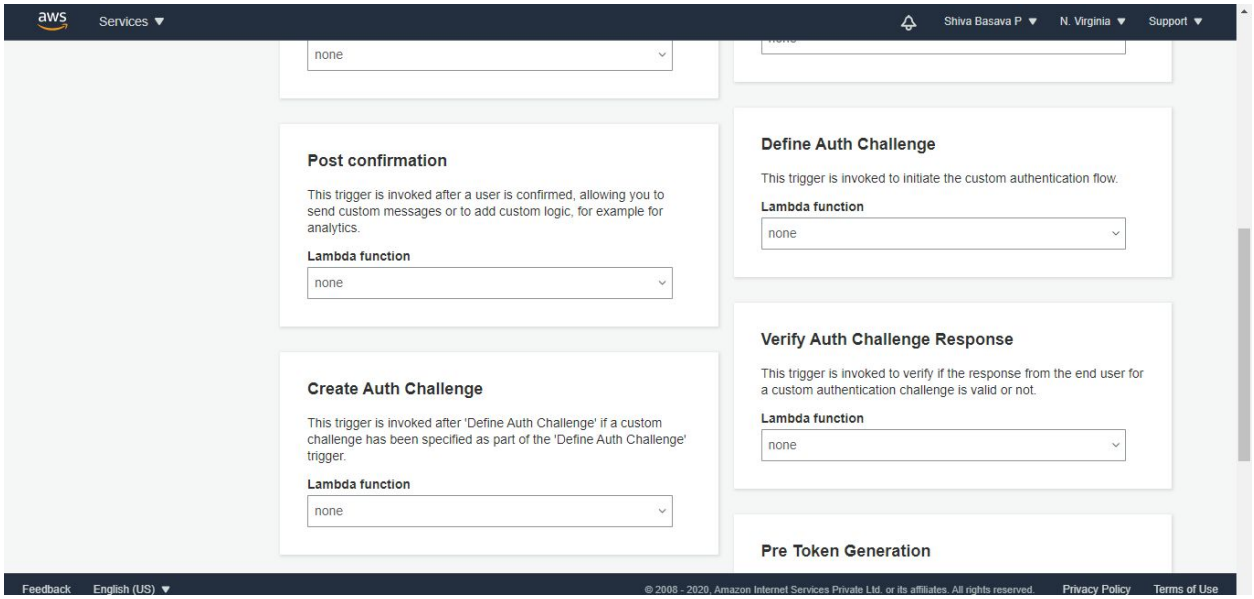


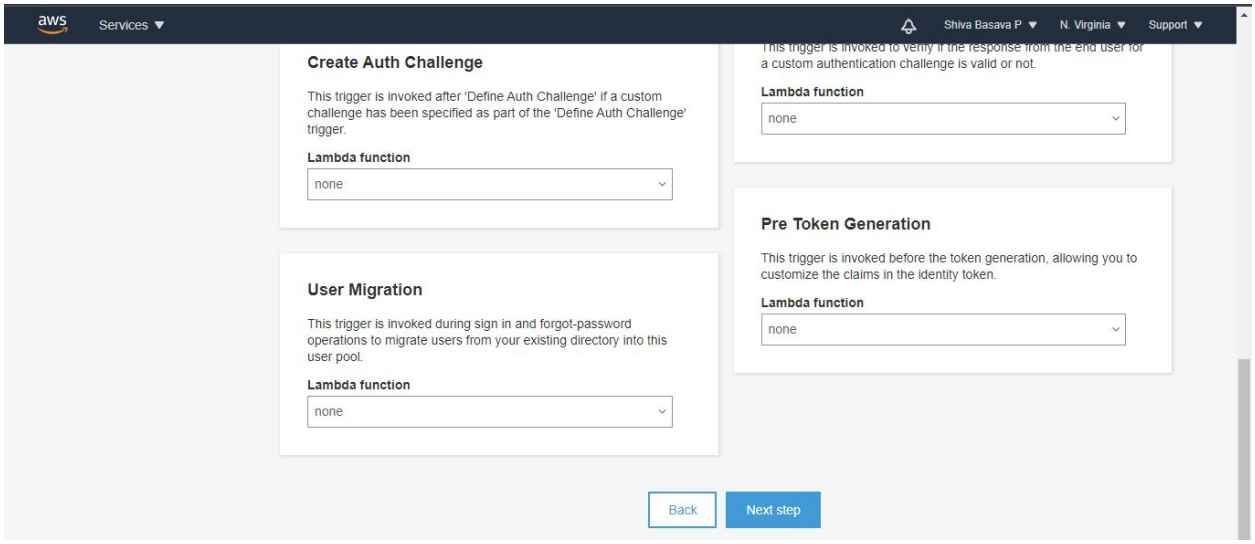
(App clients)



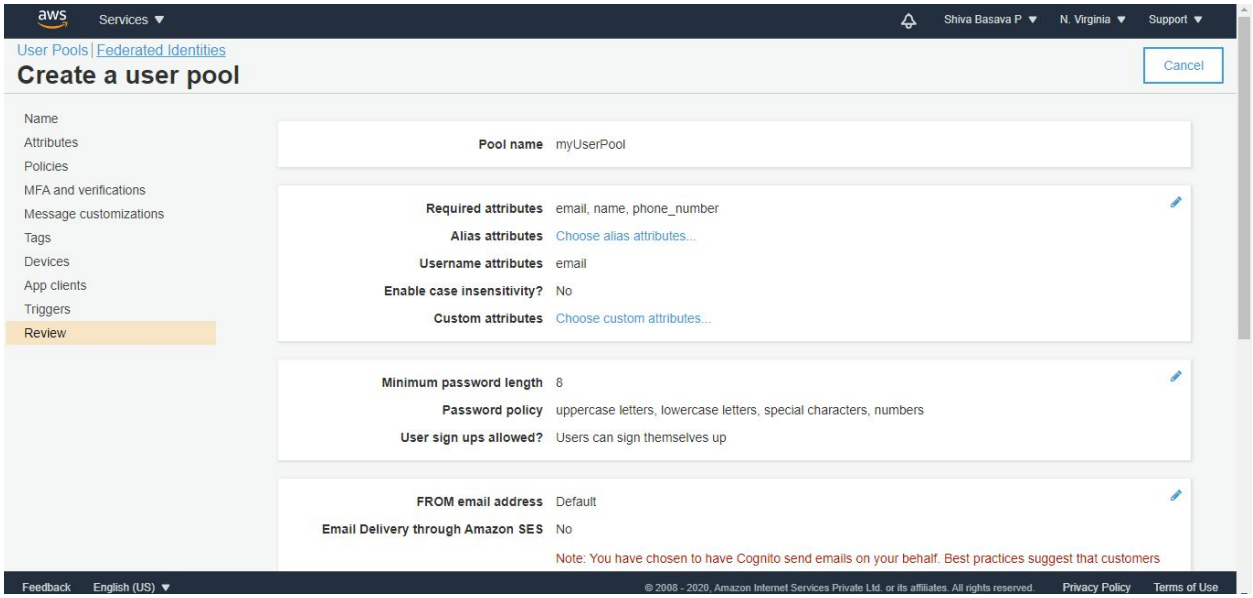
(Triggers)

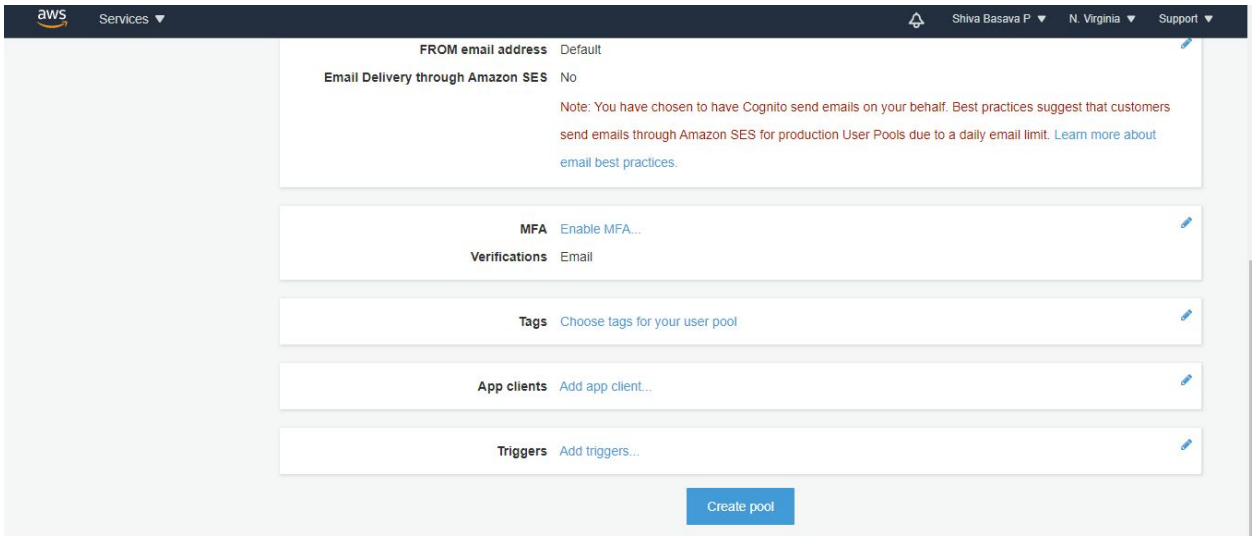






6. **Review** for the created User Pool.

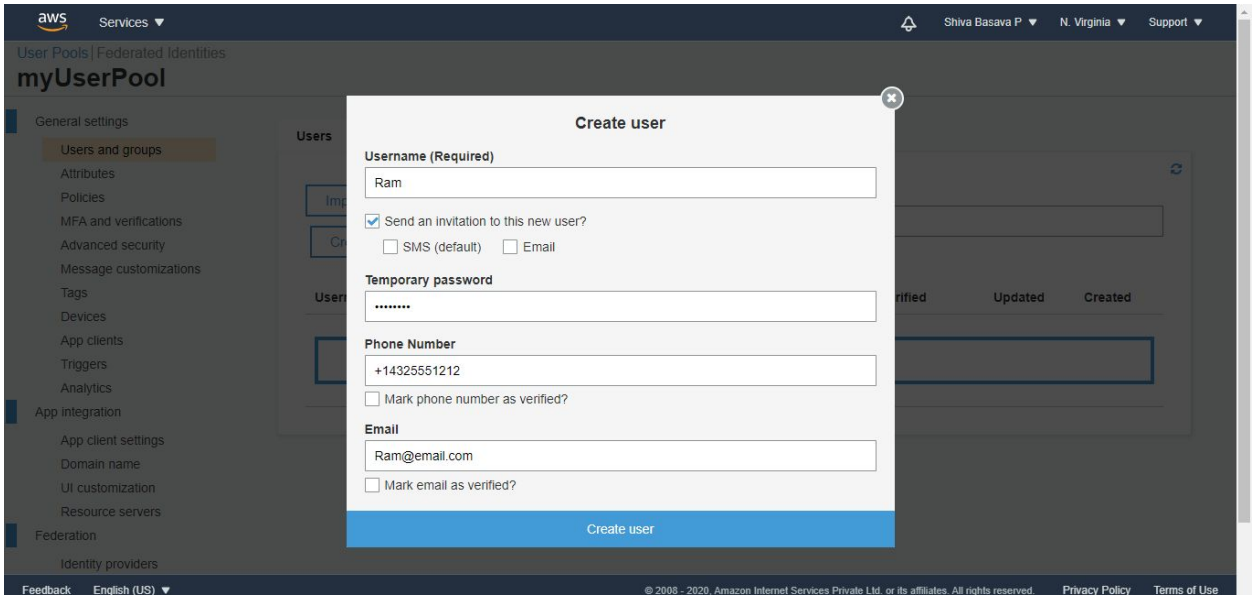




7. Added user to the user pool

Following are the screenshots -

User - Ram


Services
Shiva Basava P
N. Virginia
Support
User Pools | Federated Identities
myUserPool
General settings
Users and groups
Attributes
Policies
MFA and verifications
Advanced security
Message customizations
Tags
Devices
App clients
Triggers
Analytics
App integration
App client settings
Domain name
UI customization
Resource servers
Federation
Identity providers
Users
Create user
Username (Required)
Ram
Send an invitation to this new user?
SMS (default)
Email
Temporary password
Phone Number
+14325551212
Mark phone number as verified?
Email
Ram@email.com
Mark email as verified?
Create user
Updated
Created
Feedback
English (US)
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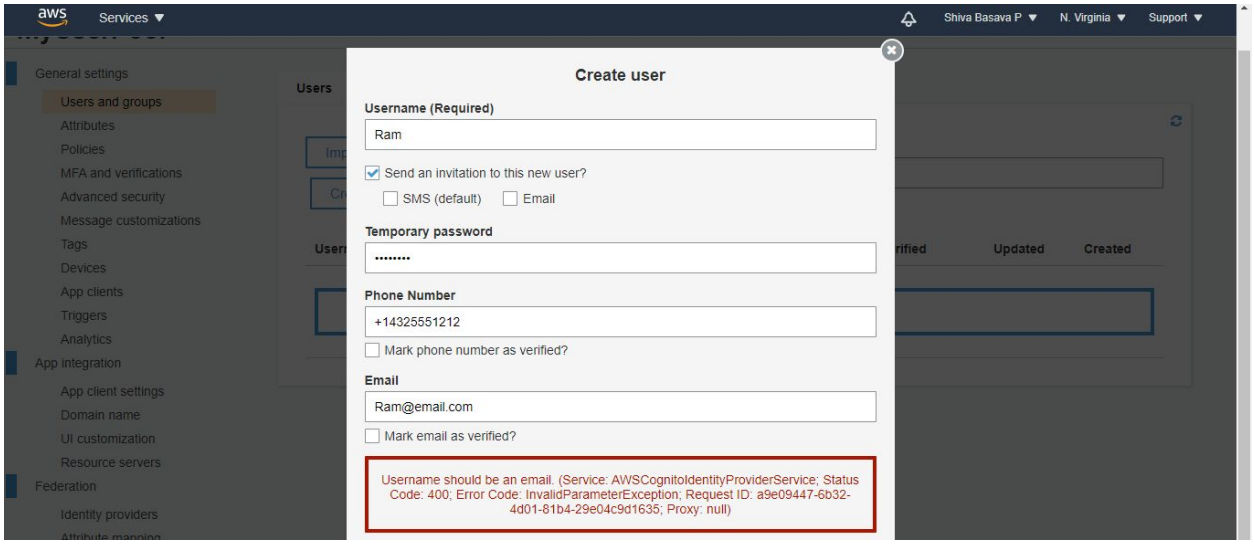
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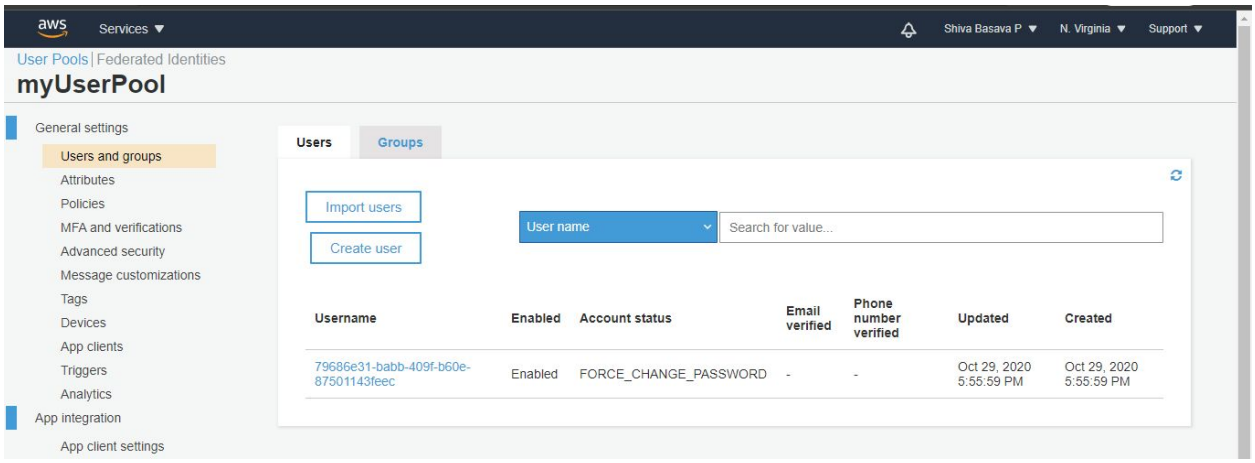
Devices
App clients
Triggers
Analytics
App integration
App client settings
Domain name
UI customization
Resource servers
Federation
Identity providers
Users
Create user
Username (Required)
Ram
Send an invitation to this new user?
SMS (default)
Email
Temporary password
Phone Number
+14325551212
Mark phone number as verified?
Email
Ram@email.com
Mark email as verified?
Username should be an email. (Service: AWSCognitoIdentityProviderService; Status Code: 400; Error Code: InvalidParameterException; Request ID: a9e09447-6b32-4d01-81b4-29e04c9d1635; Proxy: null)
Updated
Created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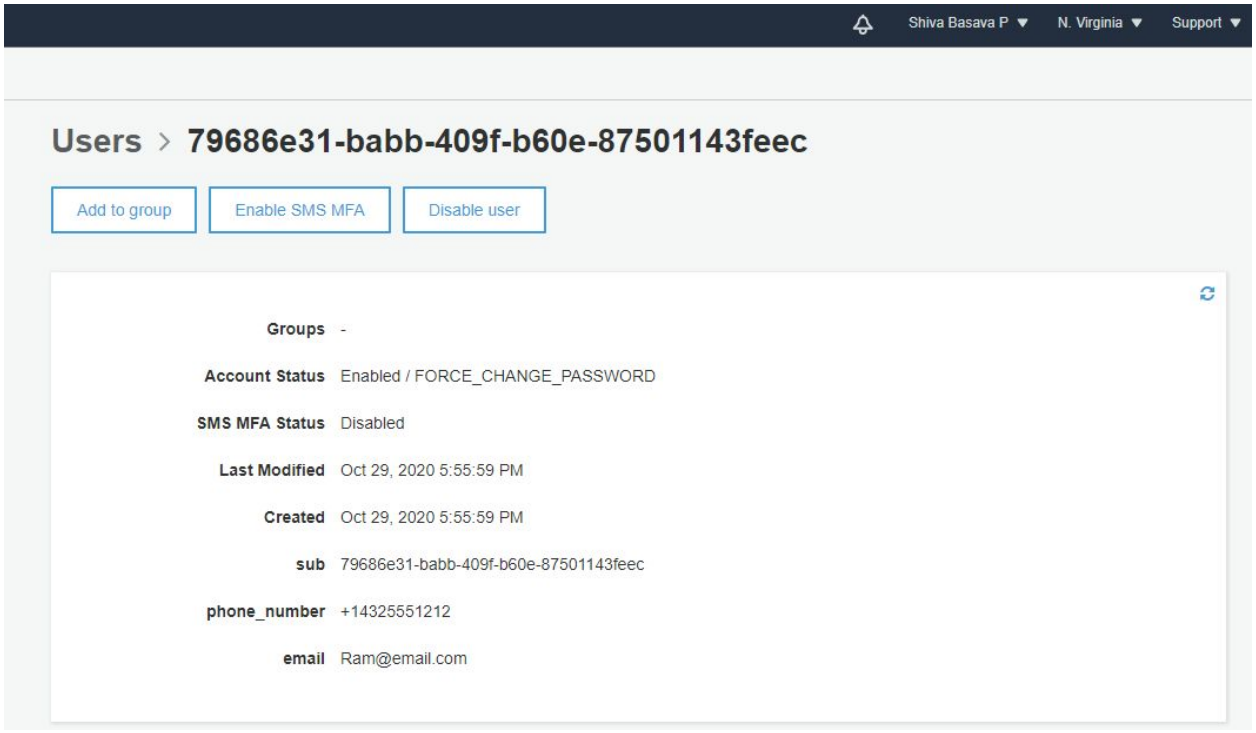
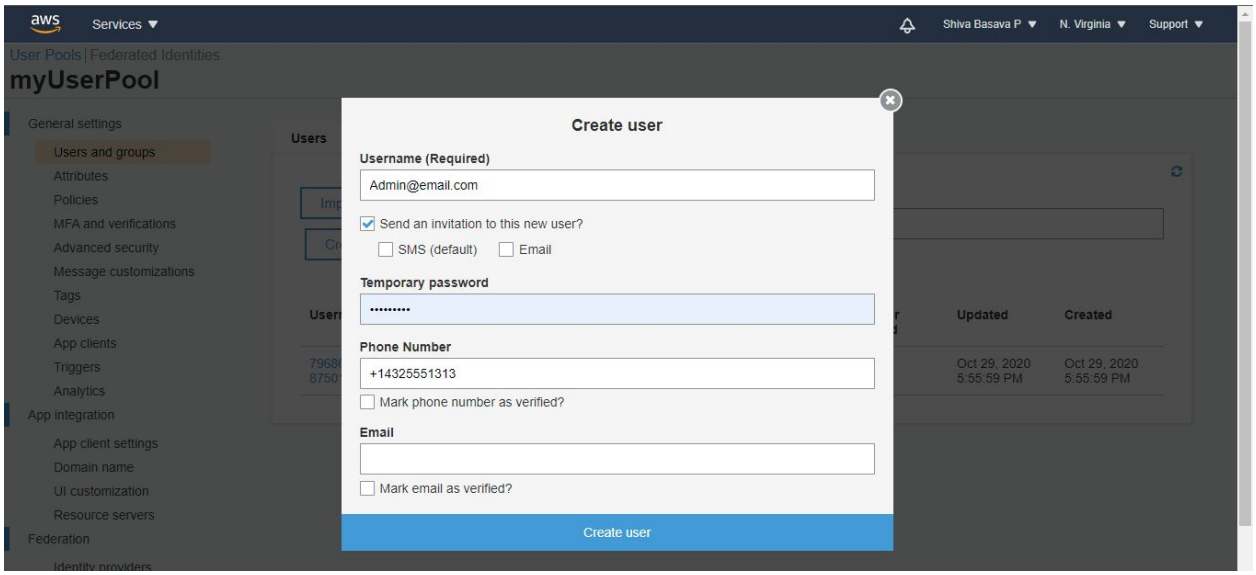
Devices
App clients
Triggers
Analytics
App integration
App client settings
Users
Groups
Import users
Create user
User name
Search for value...
Username
Enabled
Account status
Email verified
Phone number verified
Updated
Created
79686e31-babb-409f-b60e-87501143feec
Enabled
FORCE_CHANGE_PASSWORD
-
-
Oct 29, 2020 5:55:59 PM
Oct 29, 2020 5:55:59 PM


Shiva Basava P
N. Virginia
Support
Users > 79686e31-babb-409f-b60e-87501143feec
Add to group
Enable SMS MFA
Disable user
Groups -
Account Status Enabled / FORCE_CHANGE_PASSWORD
SMS MFA Status Disabled
Last Modified Oct 29, 2020 5:55:59 PM
Created Oct 29, 2020 5:55:59 PM
sub 79686e31-babb-409f-b60e-87501143feec
phone_number +14325551212
email Ram@email.com

User - Admin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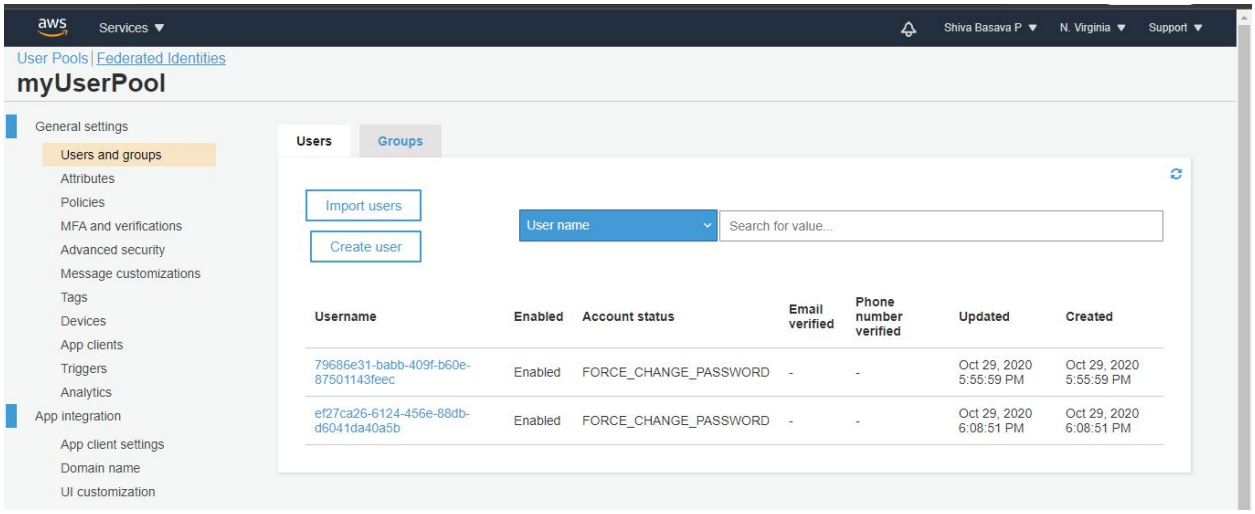
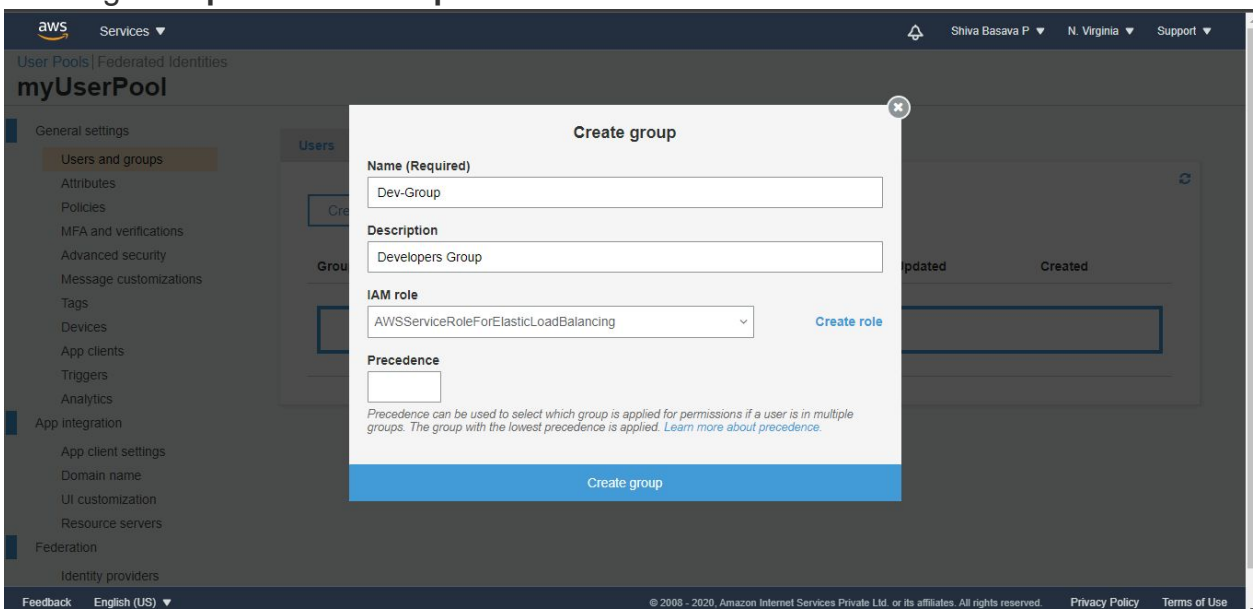
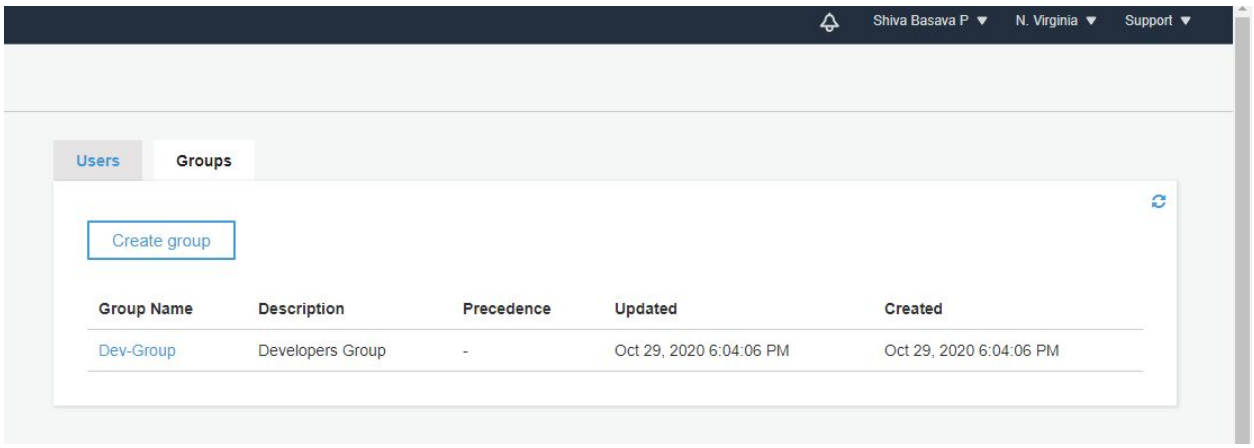
App integration
App client settings
Domain name
UI customization
Resource servers
Federation
Identity providers
Users
Updated
Created
Oct 29, 2020 5:55:59 PM
Oct 29, 2020 5:55:59 PM
Create user
Username (Required)
Admin@email.com
Send an invitation to this new user?
SMS (default)
Email
Temporary password
Phone Number
+14325551313
Mark phone number as verified?
Email
Mark email as verified?
Create user



Creating **Group as 'Dev-Group'**





Adding users(Admin & Ram) to Group