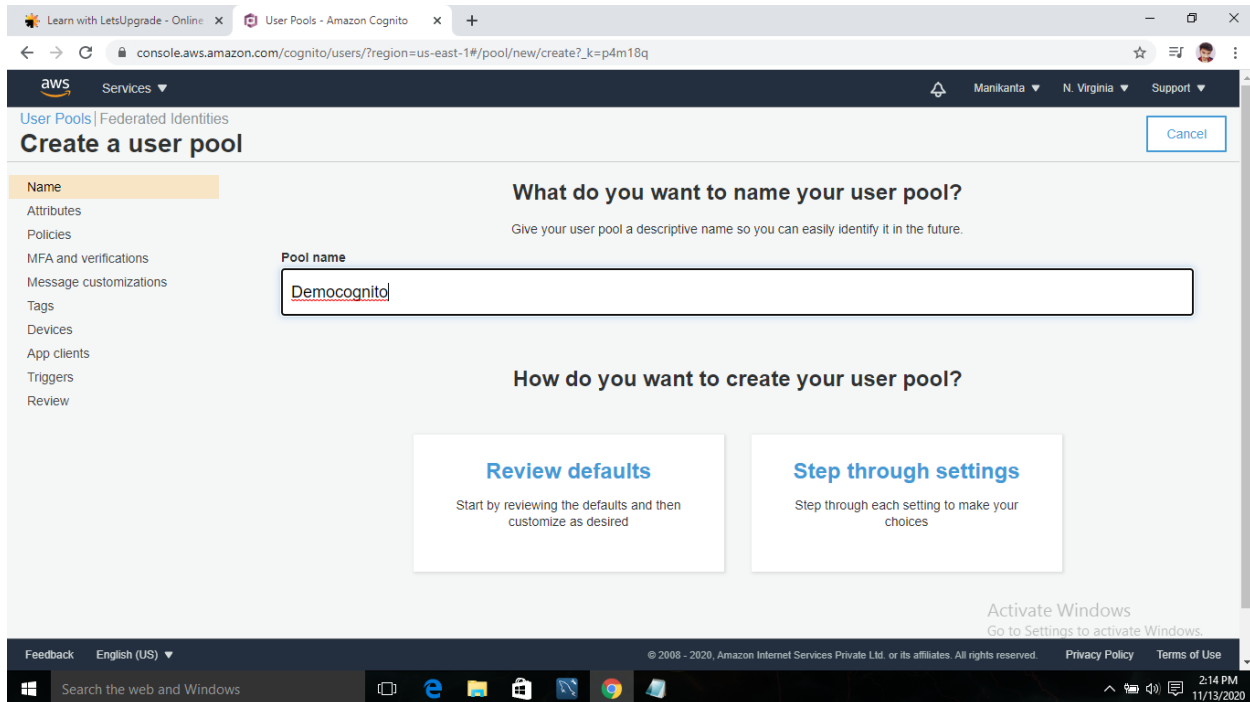


Amazon cognito:

1)Name of the cognito:



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console.aws.amazon.com/cognito/users/?region=us-east-1#/pool/new/create?_k=p4m18q

aws Services

User Pools | Federated Identities

Create a user pool

Name

Attributes

Policies

MFA and verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

What do you want to name your user pool?

Give your user pool a descriptive name so you can easily identify it in the future.

Pool name

Democognito

How do you want to create your user pool?

Review defaults

Start by reviewing the defaults and then customize as desired

Step through settings

Step through each setting to make your choices

Activate Windows

Go to Settings to activate Windows.

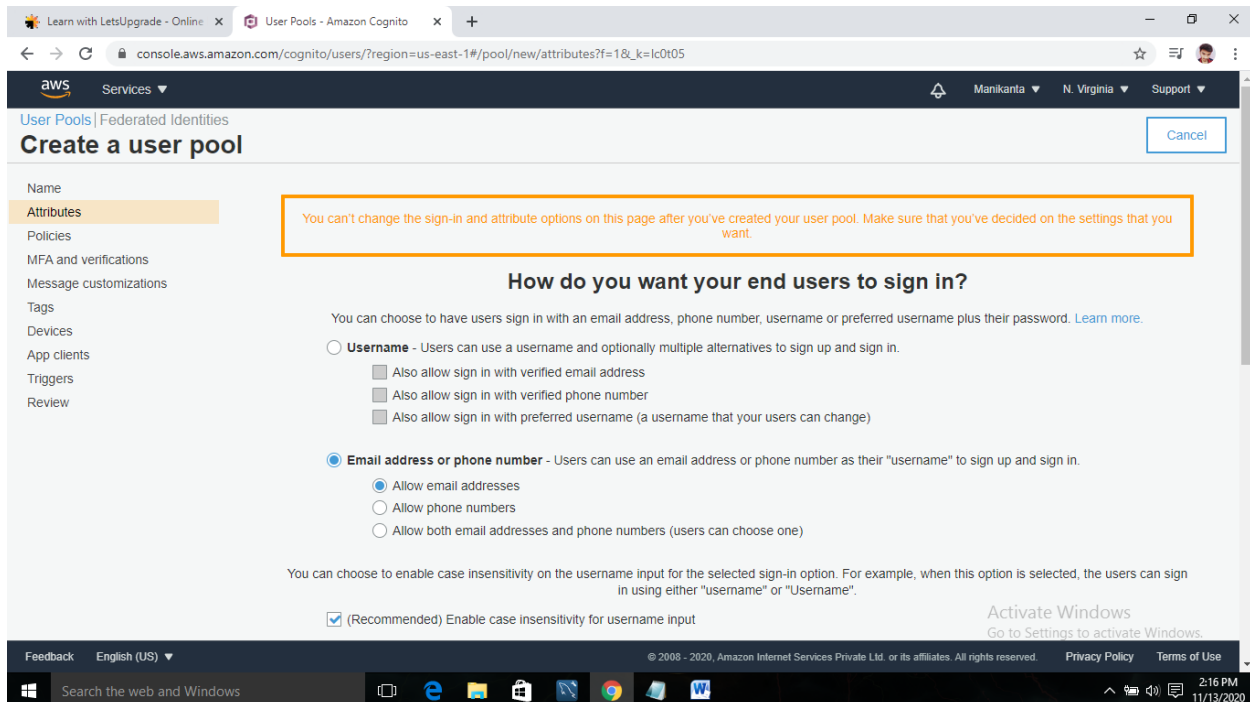
Feedback English (US)

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2:14 PM 11/13/2020

2)How do you want end users sign in-Select E-mail or phone number:



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console.aws.amazon.com/cognito/users/?region=us-east-1#/pool/new/attributes?f=1&_k=lc0t05

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You can't change the sign-in and attribute options on this page after you've created your user pool. Make sure that you've decided on the settings that you want.

How do you want your end users to sign in?

You can choose to have users sign in with an email address, phone number, username or preferred username plus their password. [Learn more.](#)

☐ Username - Users can use a username and optionally multiple alternatives to sign up and sign in.

☐ Also allow sign in with verified email address

☐ Also allow sign in with verified phone number

☐ Also allow sign in with preferred username (a username that your users can change)

☒ Email address or phone number - Users can use an email address or phone number as their "username" to sign up and sign in.

☒ Allow email addresses

☐ Allow phone numbers

☐ Allow both email addresses and phone numbers (users can choose one)

You can choose to enable case insensitivity on the username input for the selected sign-in option. For example, when this option is selected, the users can sign in using either "username" or "Username".

☒ (Recommended) Enable case insensitivity for username input

Activate Windows

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What Data you want from the user:

You can choose to enable case insensitivity on the username input for the selected sign-in option. For example, when this option is selected, the users can sign in using either "username" or "Username".

☒ (Recommended) Enable case insensitivity for username input

Which standard attributes do you want to require?

All of the standard attributes can be used for user profiles, but the attributes you select will be required for sign up. You will not be able to change these requirements after the pool is created. If you select an attribute to be an alias, users will be able to sign-in using that value or their username. [Learn more about attributes.](#)

Required	Attribute	Required	Attribute
<input checked="" type="checkbox"/>	address	<input type="checkbox"/>	nickname
<input type="checkbox"/>	birthdate	<input checked="" type="checkbox"/>	phone number
<input checked="" type="checkbox"/>	email	<input type="checkbox"/>	picture
<input type="checkbox"/>	family name	<input type="checkbox"/>	preferred username
<input checked="" type="checkbox"/>	gender	<input checked="" type="checkbox"/>	profile
<input type="checkbox"/>	given name	<input type="checkbox"/>	zoneinfo
<input type="checkbox"/>	locale	<input type="checkbox"/>	updated at
<input type="checkbox"/>	middle name	<input type="checkbox"/>	website
<input checked="" type="checkbox"/>	name		

Do you want to add custom attributes?

Enter the name and select the type and settings for custom attributes

Activate Windows
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3) Password rules and how many days the password should be there:

What password strength do you want to require?

Minimum length

8

☒ Require numbers
☒ Require special character
☒ Require uppercase letters
☒ Require lowercase letters

Do you want to allow users to sign themselves up?

You can choose to only allow administrators to create users or allow users to sign themselves up. [Learn more.](#)

☐ Only allow administrators to create users
☒ Allow users to sign themselves up

How quickly should temporary passwords set by administrators expire if not used?

You can choose for how long until a temporary password set by an administrator expires if the password is not used. This includes accounts created by administrators.

Days to expire

7

Activate Windows
Go to Settings to activate Windows.

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4) If you want MFA enable it otherwise leave it and how the users can recover their user id or passwords;

The screenshot shows the 'Create a user pool' wizard in the AWS IAM console, specifically the 'MFA and verifications' step. The left sidebar contains a navigation menu with options: Name, Attributes, Policies, MFA and verifications (highlighted), Message customizations, Tags, Devices, App clients, Triggers, and Review. The main content area has a 'Cancel' button in the top right. The first section is 'Do you want to enable Multi-Factor Authentication (MFA)?' with a descriptive paragraph and a note: 'Note: separate charges apply for sending text messages.' Below this are three radio buttons: 'Off' (selected), 'Optional', and 'Required'. The second section is 'How will a user be able to recover their account?' with a descriptive paragraph and a list of radio button options: 'Email if available, otherwise phone, but don't allow a user to reset their password via phone if they are also using it for MFA', 'Phone if available, otherwise email, but don't allow a user to reset their password via phone if they are also using it for MFA', 'Email only' (selected), 'Phone only, but don't allow a user to reset their password via phone if they are also using it for MFA', '(Not Recommended) Phone if available, otherwise email, and do allow a user to reset their password via phone if they are also using it for MFA', and 'None – users will have to contact an administrator to reset their passwords'. At the bottom, there is an 'Activate Windows' watermark and a taskbar with various application icons.

How can the verification can be done email or phone number etc and leave the sms service:

The screenshot shows the 'Create a user pool' wizard in the AWS IAM console, specifically the 'Which attributes do you want to verify?' step. The left sidebar is the same as the previous screenshot. The main content area has a 'Cancel' button in the top right. The first section is 'Which attributes do you want to verify?' with a descriptive paragraph and a list of radio button options: 'Email' (selected), 'Phone number', 'Email or phone number', and 'No verification'. The second section is 'You must provide a role to allow Amazon Cognito to send SMS messages' with a descriptive paragraph and a link: 'Learn more about IAM roles.' Below this is a text input field for 'New role name' containing 'Democognito-SMS-Role' and a 'Create role' button. At the bottom, there are 'Back' and 'Next step' buttons. An 'Activate Windows' watermark is present at the bottom right, and the taskbar is visible at the very bottom.

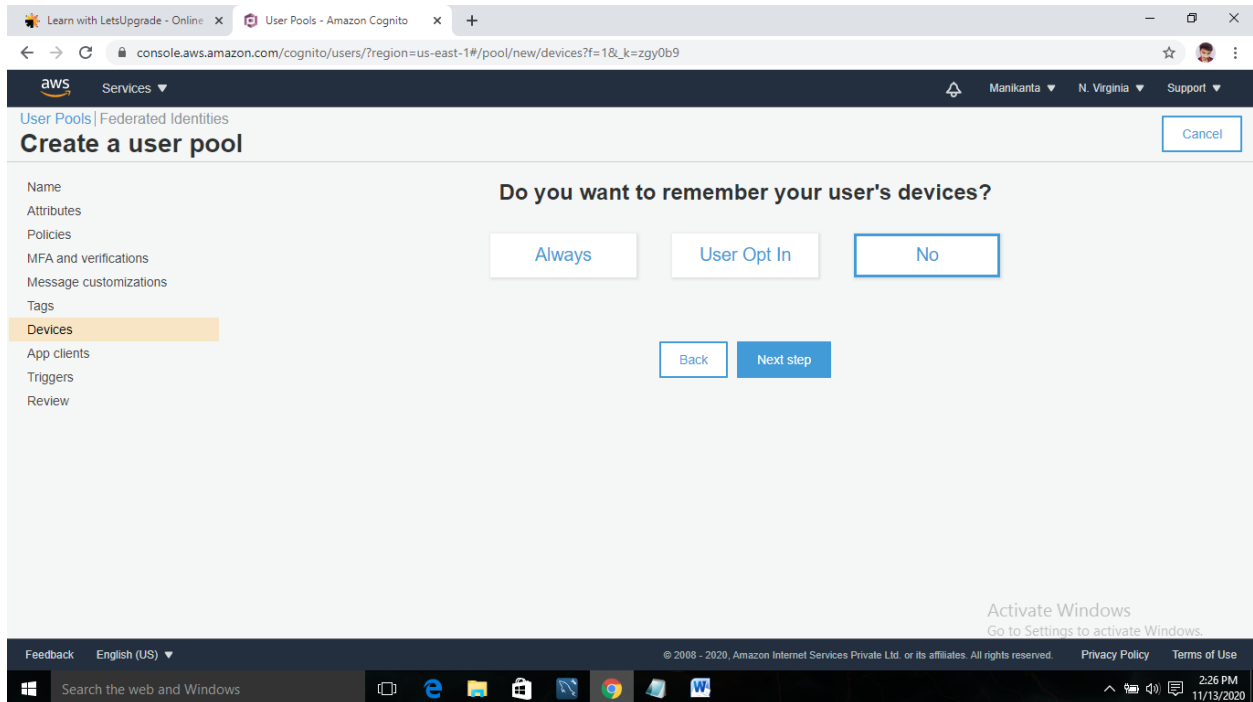
5) Customization of emails can be done and password:

The screenshot shows the AWS IAM console 'Create a user pool' page, specifically the 'Message customizations' tab. The page title is 'Create a user pool' with a 'Cancel' button. The left sidebar lists navigation options: Name, Attributes, Policies, MFA and verifications, Message customizations (selected), Tags, Devices, App clients, Triggers, and Review. The main content area is titled 'Do you want to customize your email address?' and includes a link to 'Learn more about SES verified identities and domains'. It contains several form fields: 'SES Region' (a dropdown menu showing 'US East (Virginia)'), 'FROM email address ARN' (a dropdown menu showing 'Default'), 'FROM email address' (a text input field with the placeholder 'e.g. John Smith <john@smith.com>'), and 'REPLY-TO email address' (an empty text input field). A note states: 'You must verify your email address with Amazon SES before you can select it. Verify an SES identity.' The bottom of the page shows a Windows taskbar with the date and time '2:25 PM 11/13/2020'.

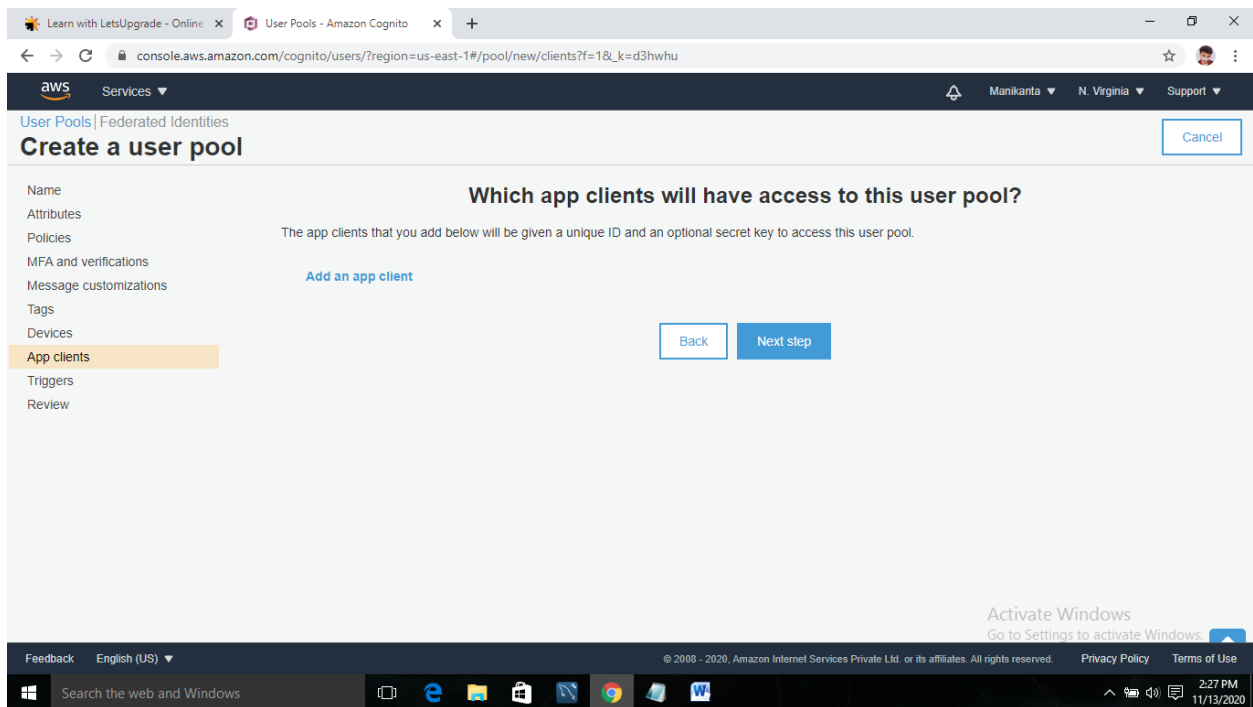
6) adding tags to recognize:

The screenshot shows the AWS IAM console 'Create a user pool' page, specifically the 'Tags' tab. The page title is 'Create a user pool' with a 'Cancel' button. The left sidebar lists navigation options: Name, Attributes, Policies, MFA and verifications, Message customizations, Tags (selected), Devices, App clients, Triggers, and Review. The main content area is titled 'Do you want to add tags for this user pool?' and includes a link to 'Add tag'. It contains a text input field for the tag value. Below the input field are two buttons: 'Back' and 'Next step'. The bottom of the page shows a Windows taskbar with the date and time '2:25 PM 11/13/2020'.

7) Remembering user device if any changes occur it will give an alert:



8) App clients:



9)Triggers for authentication:

The screenshot shows the 'Create a user pool' page in the AWS IAM console, specifically the 'Triggers' tab. The page title is 'Create a user pool' with a 'Cancel' button. The left sidebar lists various configuration options: Name, Attributes, Policies, MFA and verifications, Message customizations, Tags, Devices, App clients, Triggers (selected), and Review. The main content area is titled 'Do you want to customize workflows with triggers?' and explains that triggers can be used to customize workflows with AWS Lambda functions. It lists four trigger types: Pre sign-up, Pre authentication, Custom message, and Post authentication. Each trigger type has a description and a 'Lambda function' dropdown menu, all of which are currently set to 'none'. The bottom of the page shows the Windows taskbar with the date 11/13/2020 and time 2:28 PM.

Do you want to customize workflows with triggers?

You can make advanced customizations with AWS Lambda functions. Pick AWS Lambda functions to trigger with different events if you want to customize workflows and the user experience. Visit the [AWS Lambda console](#) to create your functions before selecting them below. [Learn more about triggers.](#)

Pre sign-up

This trigger is invoked when a user submits their information to sign up, allowing you to perform custom validation to accept or deny the sign up request.

Lambda function: none

Pre authentication

This trigger is invoked when a user submits their information to be authenticated, allowing you to perform custom validations to accept or deny the sign in request.

Lambda function: none

Custom message

This trigger is invoked before a verification or MFA message is sent, allowing you to customize the message dynamically. Note that static custom messages can be edited on the Verifications panel.

Lambda function: none

Post authentication

This trigger is invoked after a user is authenticated, allowing you to add custom logic, for example for analytics.

Lambda function: none

10)Review:

The screenshot shows the 'Create a user pool' page in the AWS IAM console, specifically the 'Review' tab. The page title is 'Create a user pool' with a 'Cancel' button. The left sidebar lists various configuration options: Name, Attributes, Policies, MFA and verifications, Message customizations, Tags, Devices, App clients, Triggers, and Review (selected). The main content area displays the configuration details for the user pool named 'Democognito'. The configuration includes: Required attributes (address, email, name, gender, phone_number, profile), Alias attributes (Choose alias attributes...), Username attributes (email), Enable case insensitivity? (Yes), Custom attributes (Choose custom attributes...), Minimum password length (8), Password policy (uppercase letters, lowercase letters, special characters, numbers), User sign ups allowed? (Users can sign themselves up), FROM email address (Default), and Email Delivery through Amazon SES (No). A note at the bottom states: 'Note: You have chosen to have Cognito send emails on your behalf. Best practices suggest that customers...'. The bottom of the page shows the Windows taskbar with the date 11/13/2020 and time 2:28 PM.

Pool name Democognito

Required attributes address, email, name, gender, phone_number, profile

Alias attributes [Choose alias attributes...](#)

Username attributes email

Enable case insensitivity? Yes

Custom attributes [Choose custom attributes...](#)

Minimum password length 8

Password policy uppercase letters, lowercase letters, special characters, numbers

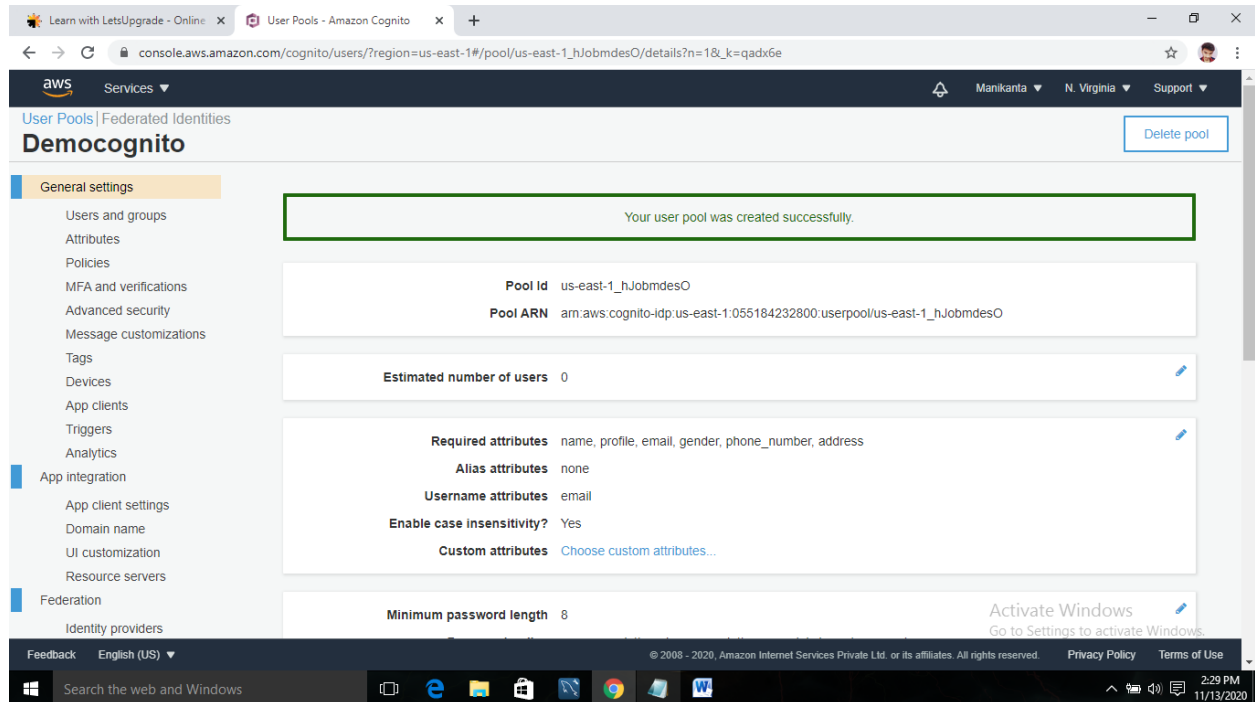
User sign ups allowed? Users can sign themselves up

FROM email address Default

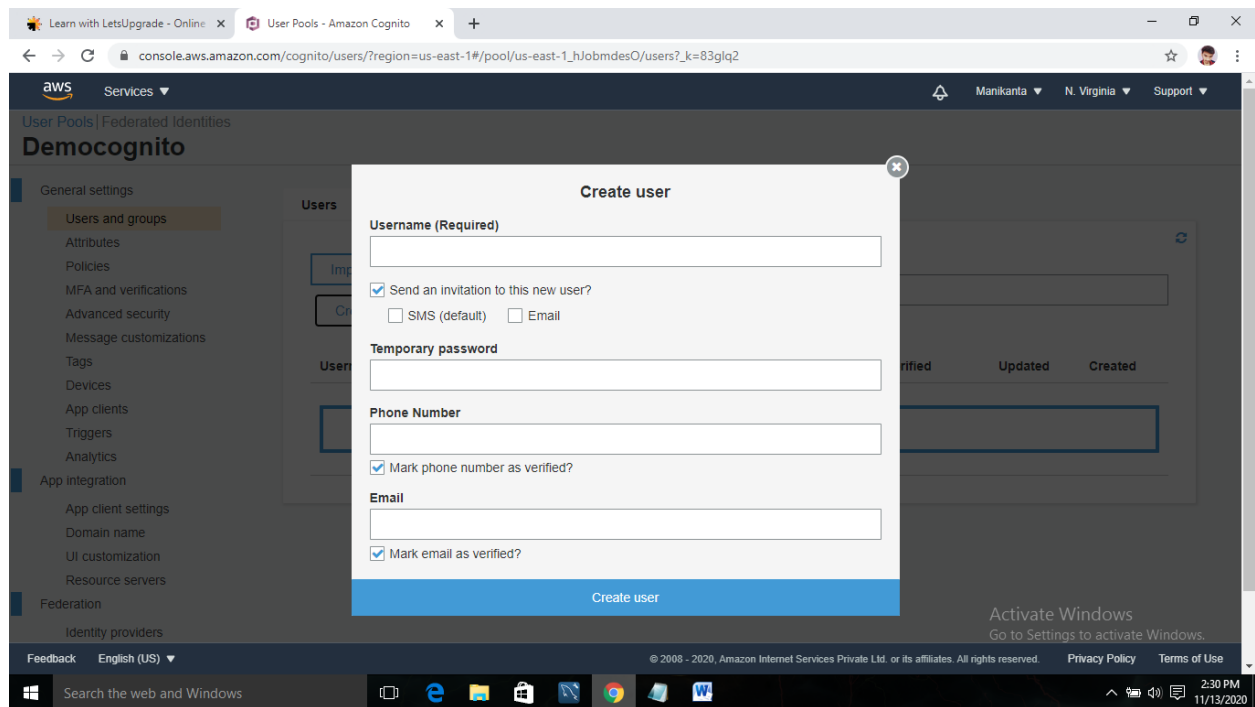
Email Delivery through Amazon SES No

Note: You have chosen to have Cognito send emails on your behalf. Best practices suggest that customers...

11) Creation of pool:



12) Creating users:



13)Creating groups:

