

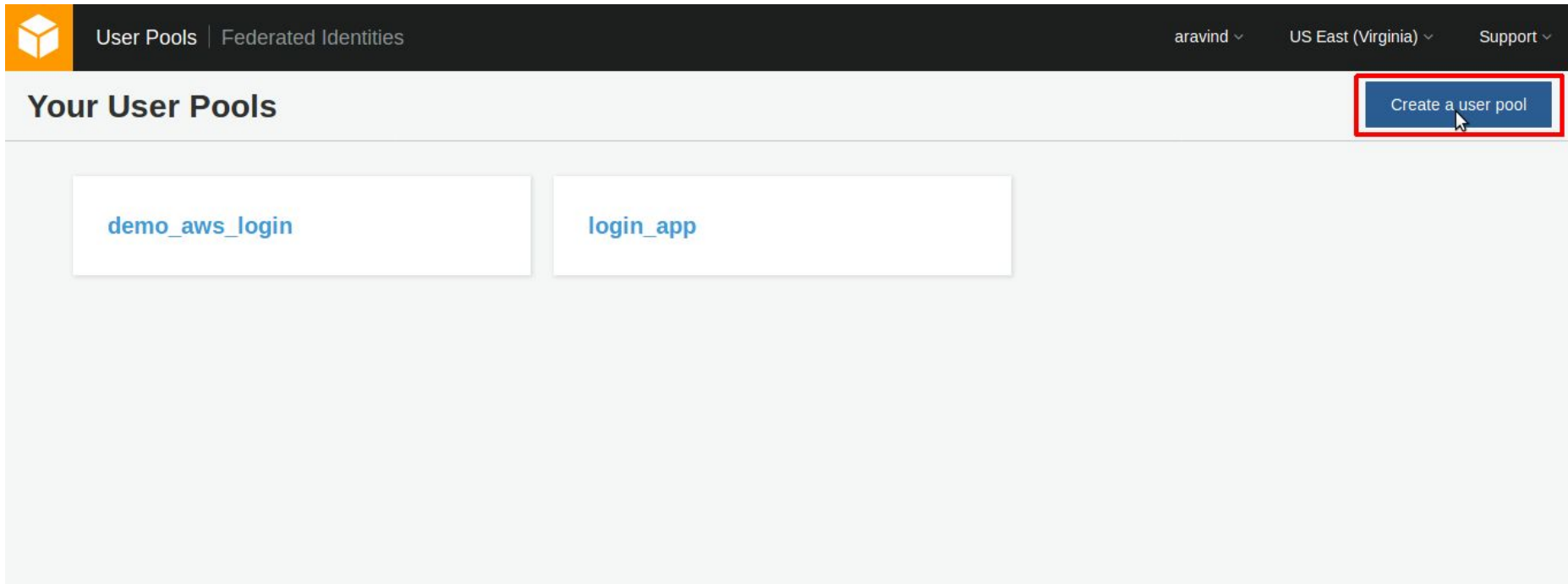
AWS COGNITO

User Authentication

Step 1 : Open cognito service from AWS services



Step 2 : Create a new user pool



The screenshot shows the AWS IAM console interface for managing User Pools. The top navigation bar includes the AWS logo, the text 'User Pools | Federated Identities', and user/account information: 'aravind', 'US East (Virginia)', and 'Support'. The main heading is 'Your User Pools'. In the top right corner, a blue button labeled 'Create a user pool' is highlighted with a red rectangular border. Below the heading, there are two white rectangular boxes representing existing user pools: 'demo_aws_login' and 'login_app'.

User Pools | Federated Identities

aravind US East (Virginia) Support


Your User Pools

Create a user pool

demo_aws_login

login_app

Step 3: Provide a name for the user pool and click review default .

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Create a user pool Cancel

Name

Attributes

Policies

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

demo

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

Step 4: Select Attribute tab to edit user required & alias attributes

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Create a user pool Cancel

Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

Pool name

demo

Required attributes

email

Alias attributes

[Choose alias attributes...](#)

Username attributes

[Choose username attributes...](#)

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


MFA

[Enable MFA...](#)

Verifications

Email

Step 5a: Select user login options

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Create a user pool

Cancel

Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

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)

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.](#)

Step 5b: Select required attributes for user Registration



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US East (Virginia) ▾

Support ▾

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

- ☐ address
- ☐ birthdate
- ☒ email
- ☐ family name
- ☐ gender
- ☒ given name
- ☐ locale
- ☐ middle name
- ☐ name


Required Attribute

- ☐ nickname
- ☒ phone number
- ☐ picture
- ☐ preferred username
- ☐ profile
- ☐ zoneinfo
- ☐ updated at
- ☐ website

Do you want to add custom attributes?

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

Step 6 : enable Email verification for new user registration

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Create a user pool Cancel

Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

App clients

Triggers

Review

Important: In order to send SMS messages to users to verify phone numbers or for MFA you must request a spending limit increase from Amazon SNS. [Learn more.](#)

Do you want to enable Multi-Factor Authentication (MFA)? Do you want to enable Multi-Factor Authentication (MFA)?

Multi-Factor Authentication (MFA) increases security for your end users. If you choose 'optional', individual users can have MFA enabled. You can only choose 'required' when initially creating a user pool, and if you do, all users must use MFA. Phone numbers must be verified if MFA is enabled. [Learn more about multi-factor authentication.](#)

Note: separate charges may apply for sending text messages.


☒ Off ☐ Optional ☐ Required

Do you want to require verification of emails or phone numbers?

Verification requires users to retrieve a code from their email or phone to confirm ownership. Verification of a phone or email is necessary to automatically confirm users and enable recovery from forgotten passwords. [Learn more about email and phone verification.](#)

☒ Email ☐ Phone Number

Step 7: Select any device operation you wish , here we can opt “NO” and proceed to next step

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Create a user pool Cancel


[Name](#)
[Attributes](#)
[Policies](#)
[Verifications](#)
[Message customizations](#)
[Tags](#)
[Devices](#)
[App clients](#)
[Triggers](#)
[Review](#)

Do you want to remember your user's devices?

[Always](#) [User Opt In](#) **[No](#)**

[Back](#) **[Next step](#)**

Step 8: Add App client to access user pool

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Create a user pool

Cancel

Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

Which app clients will have access to this user pool?

The app clients that you add below will be given a unique ID and an optional secret key to access this user pool.

Add an app client

Back

Next step

Feedback


English

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Step 9 : Provide a name to your app client , set some token expiry limit and untick Client secret. Then select Create app client

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Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

Which app clients will have access to this user pool?

The app clients that you add below will be given a unique ID and an optional secret key to access this user pool.

App client name

loginApp

Refresh token expiration (days)

30

☐ Generate client secret

[Learn more.](#)

☐ Enable sign-in API for server-based authentication (ADMIN_NO_SRP_AUTH)

[Learn more.](#)

☐ Only allow Custom Authentication (CUSTOM_AUTH_FLOW_ONLY)


[Learn more.](#)

Set attribute read and write permissions

Cancel

Create app client

Step 10: Now your app is created , select next

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Create a user pool

Cancel

Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

Which app clients will have access to this user pool?

The app clients that you add below will be given a unique ID and an optional secret key to access this user pool.

loginApp


The app client id and secret will be available after you save this user pool.

Add an app client

Back

Next step

Step 11a: You can review all the settings you have set from the above steps

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Create a user pool Cancel

Name

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers


Review

Pool name

demo

Required attributes

email, given_name, phone_number



Alias attributes

email, phone_number

Username attributes


[Choose username attributes...](#)

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

MFA


[Enable MFA...](#)



Verifications

Email

Step 11b: Select Create pool

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Minimum password length 8

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

User sign ups allowed? Users can sign themselves up

MFA [Enable MFA...](#)

Verifications Email


Tags [Choose tags for your user pool](#)

App clients loginApp

Triggers [Add triggers...](#)

Create pool

Step 12 : On successful pool creation , you'll get poolID , note it down in a file.

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demo [Delete pool](#)

General settings

Users and groups

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

App integration^{beta}

App client settings

Domain name

UI customization

Federation^{beta}

Identity providers

Attribute mapping

Your user pool was created successfully.

Pool Id us-east-1_Y0etfz18D

Pool ARN arn:aws:cognito-idp:us-east-1:951544054333:userpool/us-east-1_Y0etfz18D

Estimated number of users 0

Required attributes given_name, email, phone_number

Alias attributes email, phone_number


Username attributes none

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

Minimum password length 8

Password policv uppercase letters. lowercase letters. special characters. numbers

Step 13 : Note down the App client id , which we'll be using in web program.

 User Pools | Federated Identities

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demo

General settings

Users and groups

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

App integration^{beta}

App client settings

Domain name

UI customization

What identity providers should be used for each of your app clients?

Each of your app clients can use different identity providers. You must configure at least one IdP for each of your app clients. [Learn more about Identity providers.](#)

App clients loginApp

ID 7rr03h85pd0em9doma8tji63c3

Enabled Identity Providers

☐ Select all

☐ Cognito User Pool


Sign in and sign out URLs

Enter your callback URLs below that you will include in your sign in and sign out requests. Each field can contain multiple URLs by entering a comma after each URL.

User Login Application :

- Open [this](#) AWS Cognito userLogin app GITHUB repository
- Replace the cognito user pool id credentials in index.js file
- Open the index.html file in browser
- You can either sign up / sign in user to test out user login management

Registered User List on success

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login_app

General settings

Users and groups

Attributes

Policies

Verifications

Message customizations

Tags

Devices

App clients

Triggers

App integration^{beta}

App client settings

Domain name

UI customization

Federation^{beta}

Identity providers

Users

Groups

Import users

Create user

User name ▾ Search for value...

Username	Enabled	Status	Updated	Created
aravind	Enabled	FORCE_CHANGE_PASSWORD	Jul 25, 2017 12:24:00 PM	Jul 25, 2017 5:59:12 AM
aravindan122	Enabled	CONFIRMED	Jul 25, 2017 12:24:00 PM	Jul 25, 2017 12:23:41 PM
aravindan208	Enabled	CONFIRMED	Jul 25, 2017 12:19:56 PM	Jul 25, 2017 12:17:43 PM
nico	Enabled	UNCONFIRMED	Jul 25, 2017 12:09:05 PM	Jul 25, 2017 12:09:05 PM
surya	Enabled	UNCONFIRMED	Jul 25, 2017 12:11:38 PM	Jul 25, 2017 12:11:38 PM