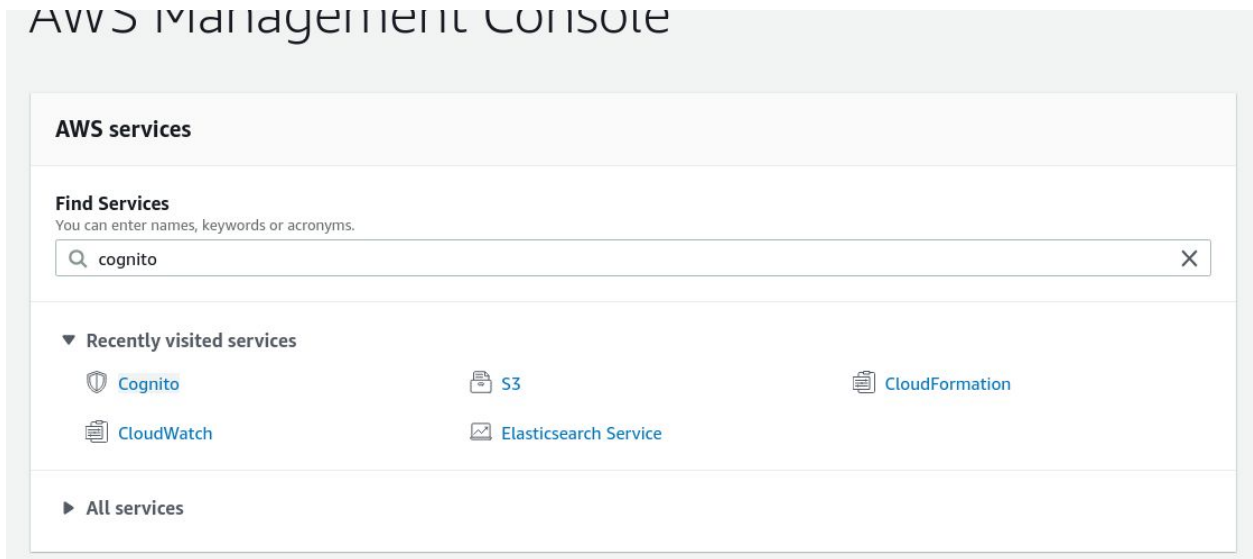
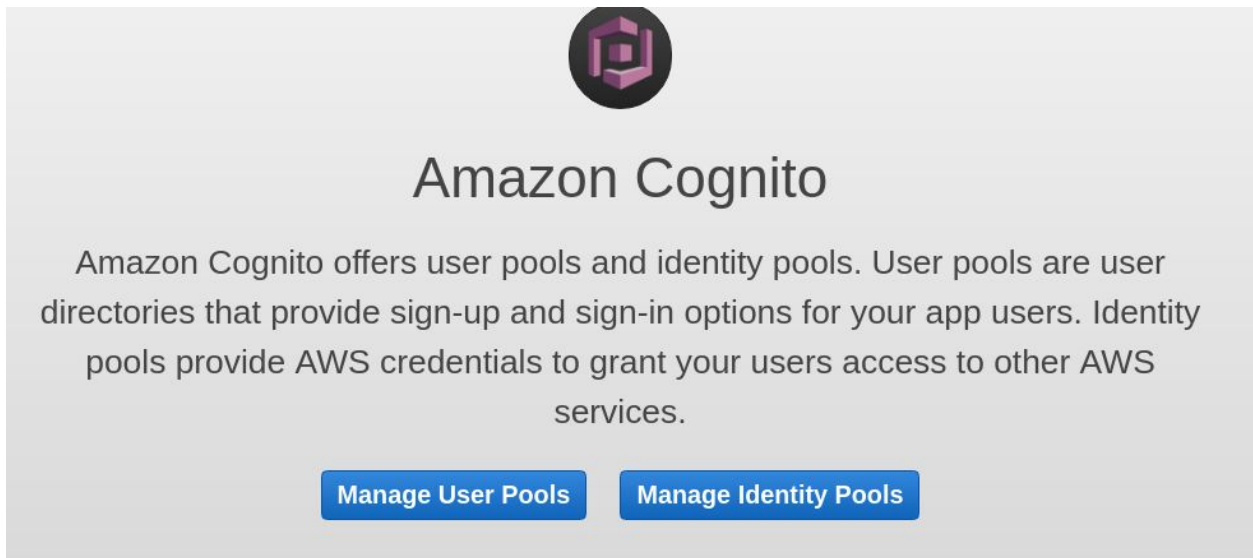


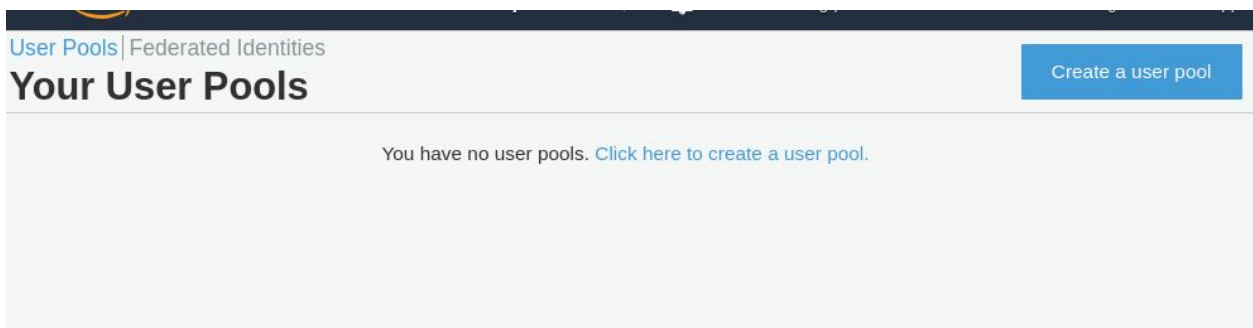
Select cognito from AWS console



Select Manage User Pools



Select Create a user pool



Name the user pool and review defaults

User Pools | Federated Identities

Create a user pool

Cancel

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

my-users-pool

How do you want to create your user pool?

Review defaults

Start by reviewing the defaults and then customize as desired

User Pools | Federated Identities

Create a user pool

Cancel

Name

Attributes

Policies

MFA and 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.](#)

Required	Attribute	Required	Attribute
<input type="checkbox"/>	address	<input type="checkbox"/>	nickname
<input type="checkbox"/>	birthdate	<input type="checkbox"/>	phone number
<input checked="" type="checkbox"/>	email	<input type="checkbox"/>	picture
<input type="checkbox"/>	family name	<input type="checkbox"/>	preferred username
<input type="checkbox"/>	gender	<input 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 type="checkbox"/>	name		

Create a user pool

Name
Attributes
Policies
MFA and verifications
Message customizations
Tags
Devices
App clients
Triggers
Review

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 user accounts created by administrators expire if not used?

You can choose for how long until a user account created by an administrator expires if the account is not used.

Days to expire

7

Back

Next step

Create a user pool

Name
Attributes
Policies
MFA and verifications
Message customizations
Tags
Devices
App clients
Triggers
Review

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. You can configure adaptive authentication on the Advanced security tab to require MFA based on risk scoring of user sign in attempts. [Learn more about multi-factor authentication.](#)

Note: separate charges apply for sending text messages.

- ☒ Off ☐ Optional ☐ Required

Which attributes do you want to verify?

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 ☐ Email or phone number ☐ No verification

You must provide a role to allow Amazon Cognito to send SMS messages

Amazon Cognito needs your permission to send SMS messages to your users on your behalf. [Learn more about IAM roles.](#)

New role name







myuserspool-SMS-Role

Create role

Back

Next step

Review default and create the pool

Pool name	my-users-pool	
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	
Tags	Choose tags for your user pool	
App clients	Add app client...	
Triggers	Add triggers...	
<div>Create pool</div>		

my-users-pool

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
Attribute mapping

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

Refresh token expiration (days)

☐ Generate client secret☐ Enable sign-in API for server-based authentication (ADMIN_NO_SRP_AUTH) [Learn more.](#)☐ Only allow Custom Authentication (CUSTOM_AUTH_FLOW_ONLY) [Learn more.](#)☐ Enable username-password (non-SRP) flow for app-based authentication (USER_PASSWORD_AUTH) [Learn more.](#)

Set attribute read and write permissions

[Return to pool details](#)

my-users-pool

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
Attribute mapping

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 id

[Add another app client](#)[Return to pool details](#)

my-users-pool Create pool

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
Attribute mapping

Pool Id us-east-1_bTac8dX63
Pool ARN arn:aws:cognito-idp:us-east-1:181720344025:userpool/us-east-1_bTac8dX63

Estimated number of users 0

Required attributes email
Alias attributes none
Username attributes none
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

Advanced security [Enable advanced security...](#)

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

App clients my-users-pool-clients

Triggers [Add triggers...](#)

Create Pool, name it my-users-pool

Create App client, name it my-users-pool-clients

Write down the pool name , pool Id , client name and app clients id

In this tutorial

Pool name : my-users-pool

Pool Id us-east-1_bTac8dX63

Pool ARN arn:aws:cognito-idp:us-east-1:181720344025:userpool/us-east-1_bTac8dX63

app clients : my-users-pool-clients

App client id : 6pqq43uvnc6nfj1ujc4l71bkbb

Notes

- * Enable MFA required during the creation process , otherwise the MFA will be optional.
- * Use the trigger for more security
- * For development we will let user register them selves, on production you might restrict registration by the administrators only (on Policies -> check "Only allow administrators to create users").
- * If MFA enabled and Role created for it, then role need to be removed first if normal user add and update would resume. <https://forums.aws.amazon.com/thread.jspa?threadID=236942>