

To create a new user for user pool in AWS Cognito

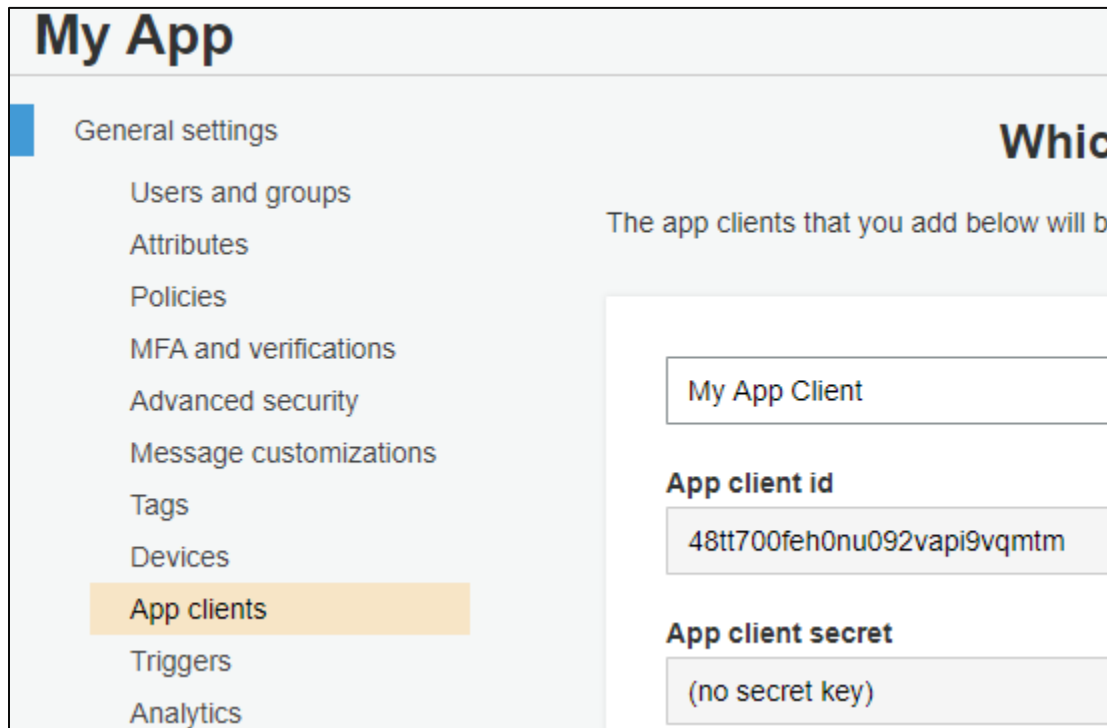
Alternate Approach- AWS SDK for JavaScript - <https://www.npmjs.com/package/amazon-cognito-identity-js>

Here, we are using AWS CLI command to create a new user. If you have any UI applications like Angular, then you can create a sign up page and using aws-sdk, you can register new user in the cognito user pool.

```
c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp sign-up --client-id 48tt700feh0nu092vapi9vqmtm --username priya --password password
```

```
{
  "UserConfirmed": false,
  "UserSub": "6b0ccc2b-5e98-418f-a528-a75737a5dd50"
}
```

Here --client-id is copied from AWS Cognito → App clients



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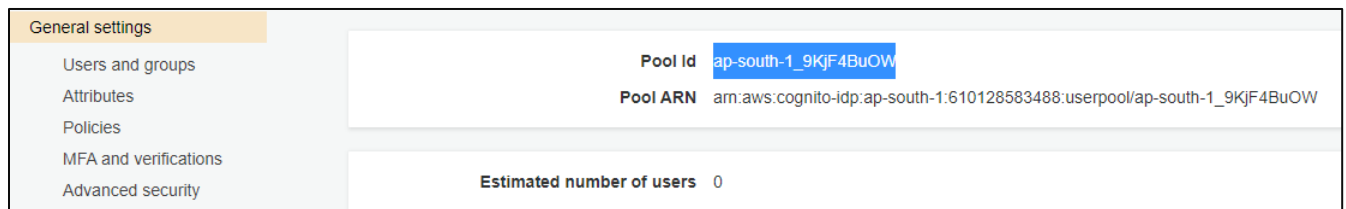
User is created in the User pool, but not confirmed.

```
{
  "UserConfirmed": false,
  "UserSub": "6b0ccc2b-5e98-418f-a528-a75737a5dd50"
}
```

Here, we need to run a cli command to confirm the user by admin.

```
c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp admin-confirm-
sign-up --user-pool ap-south-1_9KjF4BuOW --username priya
```

Here, - -user-pool value is taken from AWS Cognito → General Settings.



Now the user is confirmed.

Next step, we need to sign-in the user or initiate the step to authenticate the user.

```
c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp admin-initiate-
auth --generate-cli-skeleton
```

```
{
  "UserPoolId": "",
  "ClientId": "",
  "AuthFlow": "ADMIN_NO_SRP_AUTH",
  "AuthParameters": {
    "KeyName": ""
```

```
{
  "ClientMetadata": {
    "KeyName": ""
  },
  "AnalyticsMetadata": {
    "AnalyticsEndpointId": ""
  },
  "ContextData": {
    "IpAddress": "",
    "ServerName": "",
    "ServerPath": "",
    "HttpHeaders": [
      {
        "headerName": "",
        "headerValue": ""
      }
    ],
    "EncodedData": ""
  }
}
```

This command generates the json object. You need to copy this in a file. Example, cred.json and provide necessary details of the user.

cred.json

```
{
  "UserPoolId": "ap-south-1_9KjF4Bu0W",
  "ClientId": "48tt700feh0nu092vapi9vqmtm",
  "AuthFlow": "ADMIN_USER_PASSWORD_AUTH",
  "AuthParameters": {
    "USERNAME": "priya",
```

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```
{
  "PASSWORD": "password"
}
```

For this to work, you need to select following option in AWS Cognito, **App Clients** settings.

My App Client
App client id
48tt700feh0nu092vapi9vqmtm
App client secret
(no secret key)
Refresh token expiration (days)
30
Auth Flows Configuration
<input checked="" type="checkbox"/> Enable username password auth for admin APIs for authentication (ALLOW_ADMIN_USER_PASSWORD_AUTH) Learn more.
<input type="checkbox"/> Enable lambda trigger based custom authentication (ALLOW_CUSTOM_AUTH) Learn more.
<input type="checkbox"/> Enable username password based authentication (ALLOW_USER_PASSWORD_AUTH) Learn more.
<input type="checkbox"/> Enable SRP (secure remote password) protocol based authentication (ALLOW_USER_SRP_AUTH) Learn more.
<input checked="" type="checkbox"/> Enable refresh token based authentication (ALLOW_REFRESH_TOKEN_AUTH) Learn more.

Once cred.json is created, you need to run sign in command using admin-initiate-auth.

```
c:\Priyanka\AWS Serverless\lambda codes\cognito-cli>aws cognito-idp admin-initiate-auth --cli-input-json file://cred.json
```

```
{
  "ChallengeParameters": {},
  "AuthenticationResult": {
    "AccessToken":
"eyJraWQiOiI2Y0RzM3BQQlwwMlwwNzdVQWZobHJGdnc0bjhPb2dcL1dxSk1EUytlSEVlbnVM0PSlslmFsZyI6IjJmU2In0.eyJzdWUiOiI2YjBjY2MyYi01ZTk4LTQxOGYtYTUyOC1hNzUzMzdhdnNRkNTAiLCJldmVudF9pZCI6ImI1NmI5OGESLTEwMDMtNGZhMy1iZTM5LWMyZmRjNWFIOTFhbnRva2VudXZ3VzZSI6ImFjY2VzcyIsbnJjb3BlIjoieYXZlbnVzZ25pdG8uc2lnbnmluLnVzZXluYWRTaW4iLCJhdXRoX3RpbWUiOiJOTA0MjYxMjlsImlzcyl6Imh0dHBzOlwwXC9jb2duaXRvLWlkcc5hcC1zb3V0aC0xLmFtYXpvbmF3cy5jb21cL2FwLXNvdXRoLTFfOUtqRjRCdU9XliwiZXhwIjoxNTkwNDI5NzlyLCJpYXQiOiJOTA0MjYxMjlsImI0aSI6ImJhOWZhYzI0LWU1OWEtNDNmYi1hNGNiLTl2NzIOTZlZDYxNyIsImNsaWVudF9pZCI6IjQ4dHQ3MdBmZWgwbWUwOTJ2YXBpOXZxbXRTliwidXNlcm5hbWUiOiJwcmI5YSJ9.eb73l_7ypr-zyWX7ahQNZOsNzgDkc_1bpza1-7mXUK-
```

"eyJraWQiOiJ0UGl1U9sdEZtcXlBwUrnWlDaTFFbDdteEdKcUxDenFhbXl0T3RqOE8wPSlsmFsZyl6lIJTMjU2ln0.eyJzdWliOiI2YjBjY2MyYi01ZTk4LTQxOGYtYTUyOC1hNzU3MzdhdnNRkNTAiLCJhdWQiOiIiOHR0NzAwZmVoMG51MDkydmFwaTl2cW10bSIsImV2ZW50X2lkIjoiejU2Yjk4YTktMTAwMy00ZmEzLWJlMzItYzJmZGM1YWU5MWU2liwidG9rZW5fdXNlIjoiaWQiLCJhdXRoX3RpbWUwOiJ0TjE0TA0MjYxMjlsImZcyyl6lmlh0dHBzOlwvXC9jb2duaXRvLWlkC5hcC1zb3V0aC0xLmFtYXpvcF3cy5jb21cL2FwLXNvdXR0LTFfOUtqRjRCdU9XliwiY29nbml0b3p1c2VybmFtZSI6InBvaXhliiwiaXhwLjoxNTkwNDI5NzlyLCJpYXQyOiJ0TjE0TA0MjYxMjJ9.CzmM

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```
dDRXo0axlAFoYOctKeSsttm_QhaY7Xg8EkiG1eOZfzpWDnRKQOHIMplzHtwZmp76cdUYVGkf8K8GI8duaS  
m61A6WQmbVX5QoNbls2qfwW6cUV4CLPE-KcH_PoC9wfNA698Jrt3G_fIFBqIYIKVLZ7T2C0y-EosV-  
VdWwsjShusv4WUAeV6c9tJYH_zExkr4BO7bjg8V7EO2felg7AW0zn7oaHL1cxeUfaQOvkS1giJSrHcJk7Mrul  
o5Sb2B94goAt0ztFMcLbceli6Iso8wRK31fkduy6fGQEfDR7Wei0Wa0P0bQ0OxhSC0fIXB9m42DzmTew9AH  
p9D5CXjFQ"
```

```
}
```

```
}
```