



# ADD AUTHENTICATION SERVICE

## Create Authentication Components

Next, you will add authentication capabilities for our application using Amazon Cognito. To do this, we simply need to run the following command from our project directory:

```
amplify add auth
```

### Note

You can only add one Authentication provider to your Amplify project.

Select **Default configuration** for the first choice.

```
hoog:~/environment/andy-pizza-shop (master) $ amplify add auth
Using service: Cognito, provided by: awscloudformation

The current configured provider is Amazon Cognito.

Do you want to use the default authentication and security configuration? (Use arrow keys)
> Default configuration
  Default configuration with Social Provider (Federation)
  Manual configuration
  I want to learn more. █
```

Select **Username** for the user to sign in with a username:

```

Do you want to use the default authentication and security configuration? Default configuration
Warning: you will not be able to edit these selections.
How do you want users to be able to sign in? (Use arrow keys)
> Username
  Email
  Phone Number
  Email and Phone Number
  I want to learn more.

```

Select, **Yes I want to make additional changes**. We do this because we want to require some additional profile fields:

```

Do you want to use the default authentication and security configuration? Default configuration
Warning: you will not be able to edit these selections.
How do you want users to be able to sign in? Username
Do you want to configure advanced settings?
  No, I am done.
> Yes, I want to make some additional changes.

```

In the next step, highlight these additional attributes (by using the space bar):

- Given Name (e.g., First name)
- Family Name (e.g., Last name)
- Address

```

What attributes are required for signing up?
  ☒ Address (This attribute is not supported by Facebook, Google, Login With Amazon.)
  ☐ Birthdate (This attribute is not supported by Login With Amazon.)
  ☒ Email
  > ☒ Family Name (This attribute is not supported by Login With Amazon.)
  ☐ Middle Name (This attribute is not supported by Google, Login With Amazon.)
  ☐ Gender (This attribute is not supported by Login With Amazon.)
  ☐ Locale (This attribute is not supported by Facebook, Google.)
  (Move up and down to reveal more choices)

```

```

  ☐ Middle Name (This attribute is not supported by Google, Login With Amazon.)
  > ☐ Gender (This attribute is not supported by Login With Amazon.)
  ☐ Locale (This attribute is not supported by Facebook, Google.)
  ☒ Given Name (This attribute is not supported by Login With Amazon.)

```

Press **Enter** to accept the changes. Then press **Enter** again to bypass any additional capabilities and to complete the authentication setup.

```
Do you want to enable any of the following capabilities? (Press <space> to select, <a> to toggle all, <i> to invert selection)
Successfully added resource andypizzashopeefc3f03 locally

Some next steps:
"amplify push" will build all your local backend resources and provision it in the cloud
"amplify publish" will build all your local backend and frontend resources (if you have hosting category added) and provision i
hoog:~/environment/andy-pizza-shop (master) $
```

## Push the authentication changes to AWS

The **amplify add auth** command only saved files locally. We need to run the **amplify push** command to deploy our changes to our AWS account.

To push our changes to AWS, run the following:

```
amplify push
```

You will be prompted to complete the changes. Select **Y** and the deployment will begin.

```
hoog:~/environment/andy-pizza-shop (master) $ amplify push

Current Environment: dev

| Category | Resource name | Operation | Provider plugin |
|-----|-----|-----|-----|
| Auth | andypizzashopeefc3f03 | Create | awscloudformation |
? Are you sure you want to continue? Yes
! Updating resources in the cloud. This may take a few minutes...

UPDATE_IN_PROGRESS amplify-andy-pizza-shop-dev-22959 AWS::CloudFormation::Stack Sun Oct 27 2019 02:43:
! Updating resources in the cloud. This may take a few minutes...

CREATE_IN_PROGRESS authandypizzashopeefc3f03 AWS::CloudFormation::Stack Sun Oct 27 2019 02:43:
```

### Tip

You can run the **amplify status** command to get a list of all pending and completed changes for your project.

Once the deployment is completed, you will receive a success message.

```
.. Updating resources in the cloud. This may take a few min  
  
CREATE_COMPLETE UpdateRolesWithIDPFunct  
UPDATE_COMPLETE_CLEANUP_IN_PROGRESS amplify-andy-pizza-shop  
UPDATE_COMPLETE amplify-andy-pizza-shop  
✓ All resources are updated in the cloud  
  
hoog:~/environment/andy-pizza-shop (master) $
```

