



# OPEN AWS CODE9 ENVIRONMENT

Now we need to use an **IDE** for implementing our **React WebApp**.

We use **AWS Cloud9** for that.

In order to create a AWS Cloud9 IDE environment we need to open **AWS Cloud9** from **AWS console**.

Create a new **AWS Cloud9** environment with default options, giving it a generic name and description, and choose an **m4.large** as **Environment Type**.

The screenshot shows the AWS Cloud9 website. The main heading is 'AWS Cloud9 a cloud IDE for writing, running, and debugging code'. Below this, there's a 'How it works' section and a 'Benefits and features' section. On the right side, there's a 'New AWS Cloud9 environment' button and a 'Getting started' section with links like 'Before you start', 'Create a environment', 'Working with environments', 'Working with the IDE', and 'Working with AWS Lambda'. There's also a 'More resources' section with links to 'FAQs', 'Forum', and 'Contact us'.

Wait for **AWS Cloud9** environment to start and then install and configure the **Amplify CLI**, by writing the following code in the terminal window of Cloud9.

```
npm install -g @aws-amplify/cli
```

The AWS Amplify CLI is a toolchain which includes a robust feature set for simplifying mobile and web application development. The step above took care of installing it, but we also need to configure it. It needs to know what region to work with, and it determines this by looking for the `~/.aws/config` file. Cloud9 takes care of making sure we have valid Administrator credentials in the `~/.aws/credentials` file, but it doesn't create `~/.aws/config` for us.

So, when installation finishes, we can configure **Amazon Amplify** by running this command. Replace the values in the brackets with the ones you find in the **Event Engine** section named **Federated Login**

```
cat <<END > ~/.aws/config
[profile workshop-user]
aws_access_key_id=**[Place your access key id here]**
aws_secret_access_key=**[Place your secret access key here]**
aws_session_token=**[Place your session token here]**
region=us-west-2
END
```

