# App Engine Quickstart

## Using Google Cloud Shell

Cloud Shell is a built-in command line tool for the console. You're going to use Cloud Shell to deploy your app.

### Open Google Cloud Shell

Open Cloud Shell by clicking the  **Activate Cloud Shell** button in the navigation bar in the upper-right corner of the console.

### Clone the sample code

Use Cloud Shell to clone and navigate to the "Hello World" code. The sample code is cloned from your project repository to the Cloud Shell.

Note: If the directory already exists, remove the previous files before cloning:

rm -rf appengine-try-java

In Cloud Shell enter:

git clone \  
    https://github.com/GoogleCloudPlatform/appengine-try-java

Then, switch to the tutorial directory:

cd appengine-try-java

## Configuring your deployment

You are now in the main directory for the sample code. You'll look at the files that configure your application.

### Exploring the application

Enter the following command to view your application code:

cat \  
    src/main/java/myapp/DemoServlet.java

This servlet responds to any request by sending a response containing the message Hello, world!.

### Exploring your configuration

For Java, Google App Engine uses XML files to specify a deployment's configuration.

Enter the following command to view your configuration file:

cat pom.xml

The helloworld app uses Maven, which means you must specify a Project Object Model, or POM, which contains information about the project and configuration details used by Maven to build the project.

## Testing your app

### Test your app on Cloud Shell

Cloud Shell lets you test your app before deploying to make sure it's running as intended, just like debugging on your local machine.

To test your app enter:

mvn appengine:run

### Preview your app with "Web preview"

Your app is now running on Cloud Shell. You can access the app by using "Web preview"  to connect to port 8080.Show me how

### Terminating the preview instance

Terminate the instance of the application by pressing Ctrl+C in the Cloud Shell.