Authentication 101 Tutorials

Complete each section with activity

Contents

[1: OAuth Client Credentials 101 via Python Demo 1](#_Toc119313624)

[2: OAuth Authorisation Flow 101 via Javascript Demo 2](#_Toc119313625)

[3: JWT 3](#_Toc119313626)

[4: AWS Cognito 101 4](#_Toc119313627)

[5: Return to Amplify 5](#_Toc119313628)

# 1: OAuth Client Credentials 101 via Python Demo

**Required Knowledge:**watch up on OAuth 101  
<https://auth0.com/docs/videos/learn-identity-series/introduction-to-identity>

**Activities:**  
1) Signup to Auth0 (should be free)  
<https://auth0.com/signup>   
  
2) Complete demo app   
https://auth0.com/docs/quickstart/webapp/python/interactive

# 2: OAuth Authorisation Flow 101 via Javascript Demo

**Required Knowledge:**-

**Activities:**  
1) Signup to Auth0 (should be free)  
<https://auth0.com/signup>

1) Complete the Single Page Application  
(use all the supplied JavaScript app code / shouldn’t need to write java script)

<https://auth0.com/docs/quickstart/spa/vanillajs/interactive>

# 3: JWT

**Required Knowledge:**watch the JWT python 101

<https://www.youtube.com/watch?v=tfKatqbZicA>   
  
Read lovely description of JWT tokens  
<https://medium.com/@apcelent/json-web-token-tutorial-with-example-in-python-df7dda73b579>

**Activities:**  
  
1) In python, built a app that can take a json payload and convert it into a JWT Token  
p.s. it’s your choice of JWT python library many exist = <https://jwt.io/libraries>

2) Verify your token is correctly encoded using the debugger on the jwt.io page

<https://jwt.io/>

# 4: AWS Cognito 101

**Required Knowledge:***none*

**Activities:**

1) Complete cognito 101 udemy course

<https://www.udemy.com/course/amazon-cognito-the-complete-introduction-2019/>

# 5: Return to Amplify: Inspect and Dissect OAuth / JWT

**Required Knowledge:***none*

**Activities:**

1) Complete the Amplify App tutorial (you’ve already done this before!)

<https://aws.amazon.com/getting-started/hands-on/build-react-app-amplify-graphql/?ref=gsrchandson&id=updated>

2) Log into Cognito and look around

3) Use the chrome networking tools to inspect the JWT token going back and forth

That’s it well done!   
  
Onto IaC and Terraform