## How to setup API Gateway and Lambda with AWS CDK



## CDK crash course

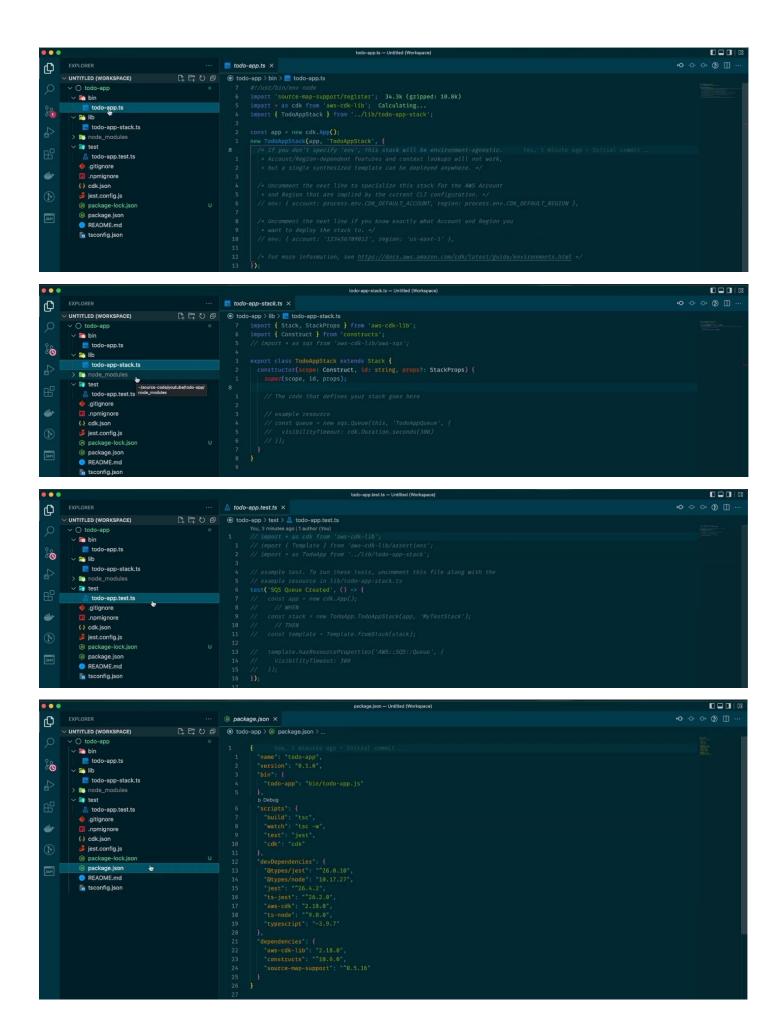
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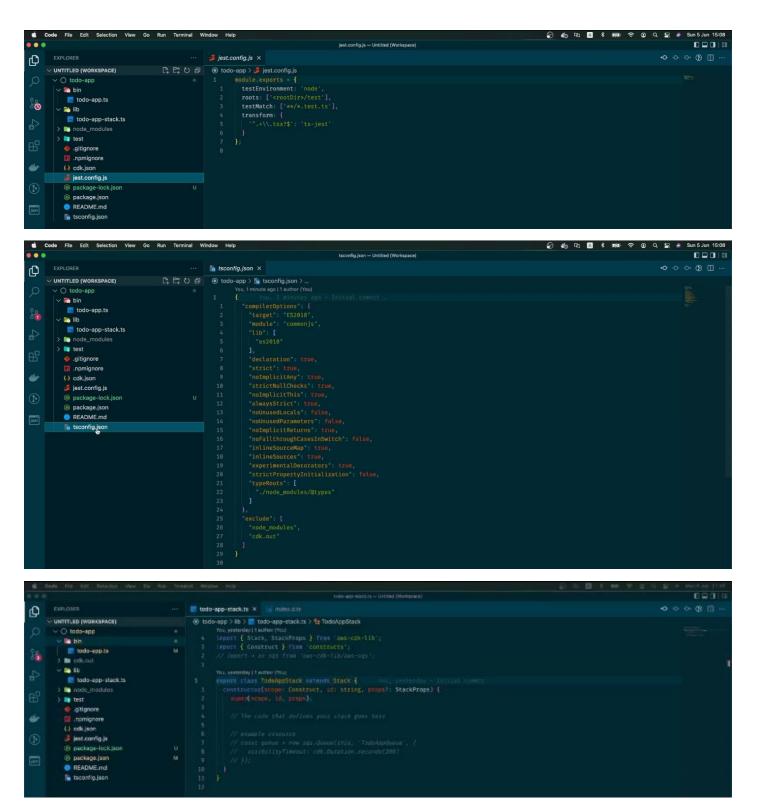
Tutorial 2: API Gateway and Lambda

## Content

- 1. Setting up the project
- 2. Coding
- 3. Deploy using CDK command
- 4. Setting up Postman

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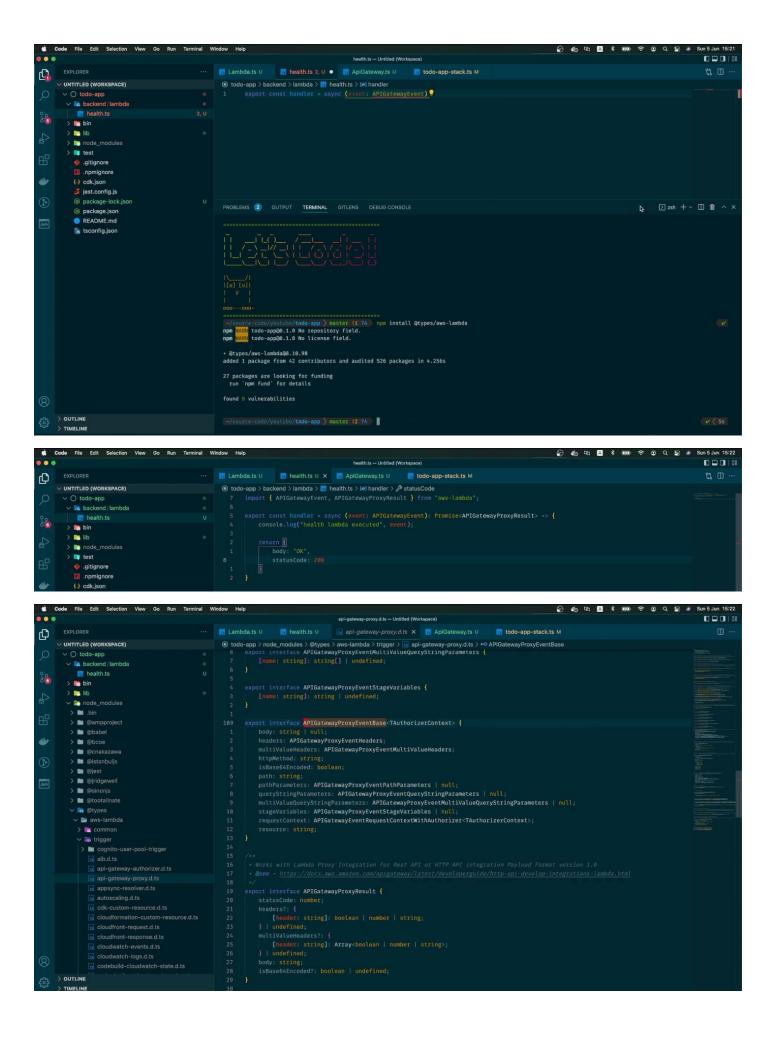


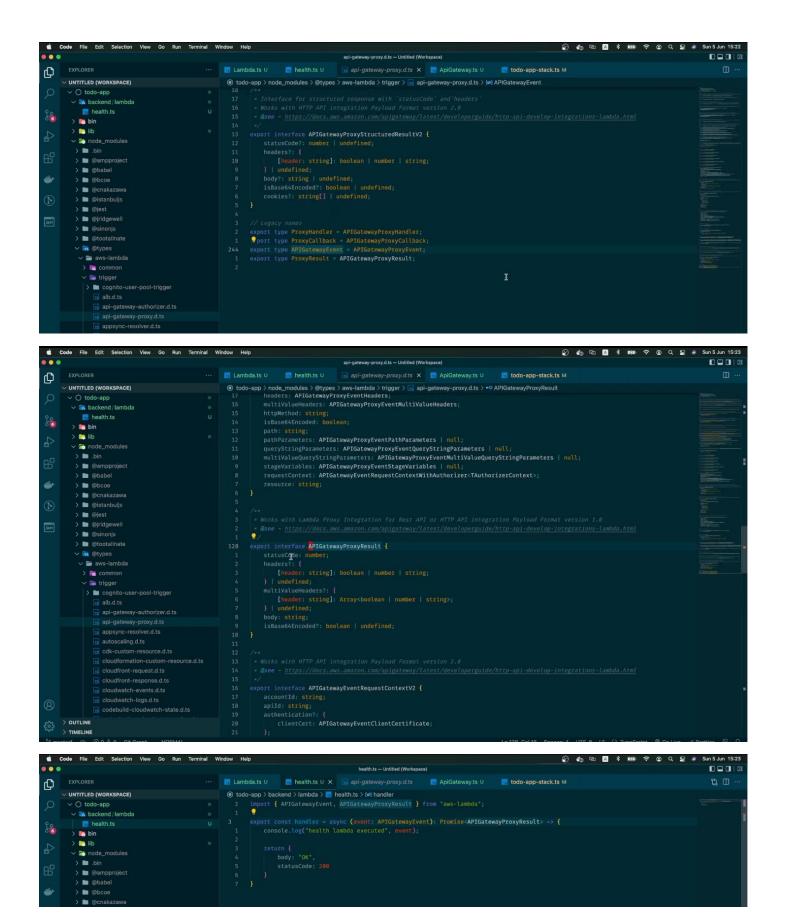


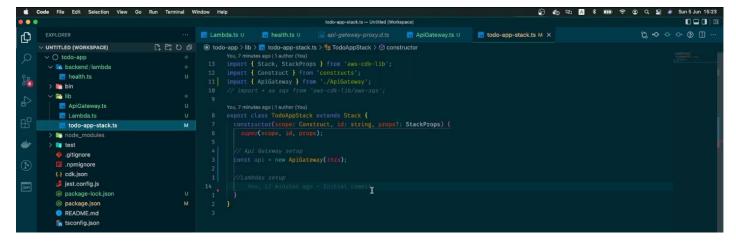
Construct are the basic building blocks of a CDK App, it contains everything needed by the CDK to create the CF files. A Stack is a unit of deployment.



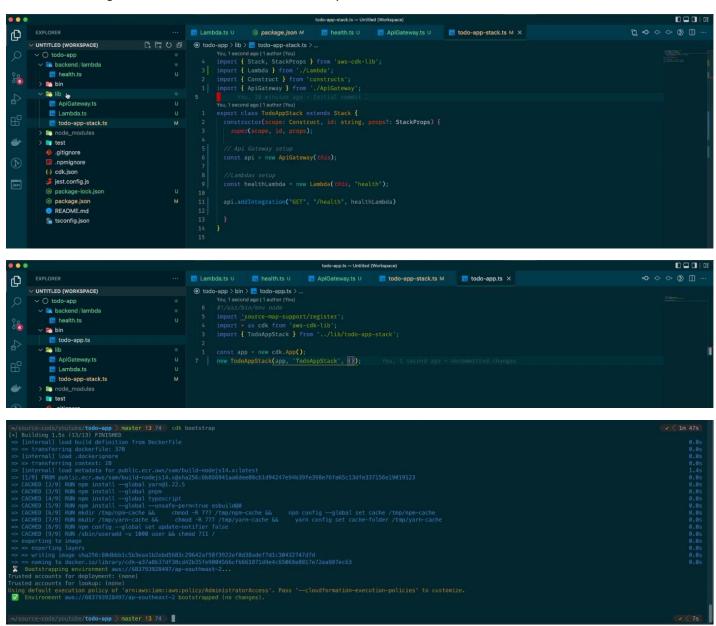








We can now integrate the Lambda into our API Gateway above



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+						"ArnLike": {    "AWS:SourceArn": "arn:\${AWS::Partition}:execu te-api:\${AWS::Region}:\${AWS::AccountId}:s{ApiGa teway11E7f47B}/\${ApiGateway/DeploymentStage.pro d}/GET/health"				
+						"ArnLike": {     "AMS:SourceArn": "arn:\${AMS::Partition}:execute-api:\${AMS::Region}:\${AMS::AccountId}:\${ApiGate-api:\${AMS::AccountId}:\${ApiGate-api:\${ApiGate-api:\${ApiGate-api:\${ApiGate-api:\${ApiGate-apiGeT/health"}}}}				
+										
+			logs:DeleteRetentionPolicy logs:PutRetentionPolicy		AWS:\${LogRetentionaae0aa3c5b4d4f87b02d85b201e fdd8a/ServiceRole}					
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+										
(NOTE: There may be security-related changes not in this list. See https://github.com/aws/aws-cdk/issues/1299)										
Do you wish to deploy these changes (y/n)? y TodoAppStack: deploying [98] start: Publishing 448eccd9afdac1feba363ef2ee73f83708f21361a7561dddff52042bef136515;current_account-current_region [98] start: Publishing 648eccd9afdac1feba363ef2ee72fec7e9b88666ad1af8183992e:current_account-current_region [98] start: Publishing 66855c99f61c5d985be884799838722629af4d73de91fc6844ced2abla4a73e1current_account-current_region [334] success: Published 66955c99f61c5d985be884799838722629af4d73de91fc6844ced2abla4a7ae1current_account-current_region [684] success: Published 66955c99f61c5d985be884a79282722629af4d7ade91fc6844ced2abla4a7ae1current_account-current_region [1084] success: Published 558dc7ffbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1085] success: Published 558dc7ffbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1086] success: Published 558dc7ffbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1087] success: Published 558dc7ffbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1088] success: Published 558dc7ffbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1089] success: Published 558dc7ffbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1080] success: Published 558dc7fbdc793c8e2f64f85d2072e67c9b88666ad1af0183992e:current_account-current_region [1080] success: Published 558dc7fbdc793c67dc79b88666ad1af0183992e:current_account-current_region [1080] success: Published 558dc7fbdc793c67dc79b88666ad1af0183992e:current_ac										

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+ \${health/ServiceRole.Arn}										
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+ \${health/ServiceRole}										
(NOTE: There may be security-related changes not in this list. See https://github.com/aws/aws-cdk/issues/1299)										
TodoAppStack: deploying [18] start: Publishing \$48eccd9dfdac1feba363ef2ee73f83788f21361a7561d6d7f52042bef136515:current_account-current_region [18] start: Publishing \$58dc75fbdc793cBe2f64f85d2dfed2cb82e672fec7e9b88666ad1af01a39902e:current_account-current_region [18] start: Publishing \$6985c99f61c30985b984a7928278279sf4d7addee01fe68d4cde2abla4a79dee01fe69dee02abla4a79dee01fe69dee02abla4a79										
▼ TodoAppStack										
\$\top Deployment time: 87.21s										
Outputs: TodoAppStack.ApIGatewayEndpoint5AA8EC3A = <a href="https://gt4hwq4xme.execute-api.ap-southeast-2.amazonaws.com/prod/">https://gt4hwq4xme.execute-api.ap-southeast-2.amazonaws.com/prod/</a> Stack ARN: arn:aws:cloudformation:ap-southeast-2:683793928497:stack/TodoAppStack/62665ff0-e491-11ec-981a-0219e5a28b7a										

