

HowTo AWS

Extraits de méthodes et de codes Utiles

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Récupérer le Token d'un Switch Role

Permet de faire un Switch Rôle et de récupérer les credentials associés.

Nuget à installer :

<https://www.nuget.org/packages/AWSSDK.SecurityToken/>

```
using Amazon;
using Amazon.SecurityToken;
using Amazon.Runtime;

//needed info from target account
var targetRoleAccount = "434898027834";
var targetRoleName = "AAA_PE_MOBILE_SQUAD";

//my user creds
var mainAccountUserAccessToken = "AKIA6JEPFD7EUAPJORAI";
var mainAccountUserSecretToken = "*****";

//make some ARNs
var roleArn =
$"arn:aws:iam::{targetRoleAccount}:role/{targetRoleName}";

var basicCreds = new BasicAWSCredentials(mainAccountUserAccessToken,
mainAccountUserSecretToken);

var stsClient = new AmazonSecurityTokenServiceClient(basicCreds);
var sessionResponse = stsClient.GetSessionTokenAsync().Result;

var sessionCreds = new
```

```
SessionAWSCredentials(sessionResponse.Credentials.AccessKeyId,  
    sessionResponse.Credentials.SecretAccessKey,  
sessionResponse.Credentials.SessionToken);  
  
    var options = new AssumeRoleAWSCredentialsOptions();  
  
    var assumeRoleCredentials = new AssumeRoleAWSCredentials(sessionCreds, roleArn,  
targetRoleName, options);  
  
    ImmutableCredentials credentials= assumeRoleCredentials.GetCredentials();
```

Installer les Templates AWS Lambda

La référence de cette page se trouve sur :

<https://github.com/aws/aws-lambda-dotnet>

Dotnet CLI Templates

New .NET Core projects can be created with the **dotnet new** command. By installing the **Amazon.Lambda.Templates** NuGet package the AWS Lambda blueprints can be created from the **dotnet new** command. To install the template execute the following command:

Commande d'installation des templates

```
dotnet new -i "Amazon.Lambda.Templates:.*"
```

The `::*` on the end of the command indicates the latest version of the NuGet package.

To see a list of the Lambda templates execute **dotnet new lambda --list**

```
> dotnet new lambda --
list
Templates                               Short
Name                                     Language   Tags
-----
Order Flowers Chatbot Tutorial
lambda. OrderFlowersChatbot             [ C#]      AWS/Lambda/Function
```

Lambda Detect Image Labels		
lambda.DetectImageLabels	[C#], F#	AWS/Lambda/Function
Lambda Empty Function		
lambda.EmptyFunction	[C#], F#	AWS/Lambda/Function
Lex Book Trip Sample		
lambda.LexBookTripSample	[C#]	AWS/Lambda/Function
Lambda Simple DynamoDB Function		
lambda.DynamoDB	[C#], F#	AWS/Lambda/Function
Lambda Simple Kinesis Firehose Function		
lambda.KinesisFirehose	[C#]	AWS/Lambda/Function
Lambda Simple Kinesis Function		
lambda.Kinesis	[C#], F#	AWS/Lambda/Function
Lambda Simple S3 Function		
lambda.S3	[C#], F#	AWS/Lambda/Function
Lambda Simple SQS Function		
lambda.SQS	[C#]	AWS/Lambda/Function
Lambda ASP.NET Core Web API		
serverless.AspNetCoreWebAPI	[C#], F#	AWS/Lambda/Serverless
Lambda ASP.NET Core Web Application with Razor Pages		
serverless.AspNetCoreWebApp	[C#]	AWS/Lambda/Serverless
Serverless Detect Image Labels		
serverless.DetectImageLabels	[C#], F#	AWS/Lambda/Serverless
Lambda DynamoDB Blog API		
serverless.DynamoDBBlogAPI	[C#]	AWS/Lambda/Serverless
Lambda Empty Serverless		
serverless.EmptyServerless	[C#], F#	AWS/Lambda/Serverless

Lambda Giraffe Web App		
serverless.Giraffe	F#	AWS/Lambda/Serverless
Serverless Simple S3 Function		
serverless.S3	[C#], F#	AWS/Lambda/Serverless
Step Functions Hello World		
serverless.StepFunctionsHelloWorld	[C#], F#	AWS/Lambda/Serverless

To get details about a template, you can use the help command.

dotnet new lambda.EmptyFunction --help