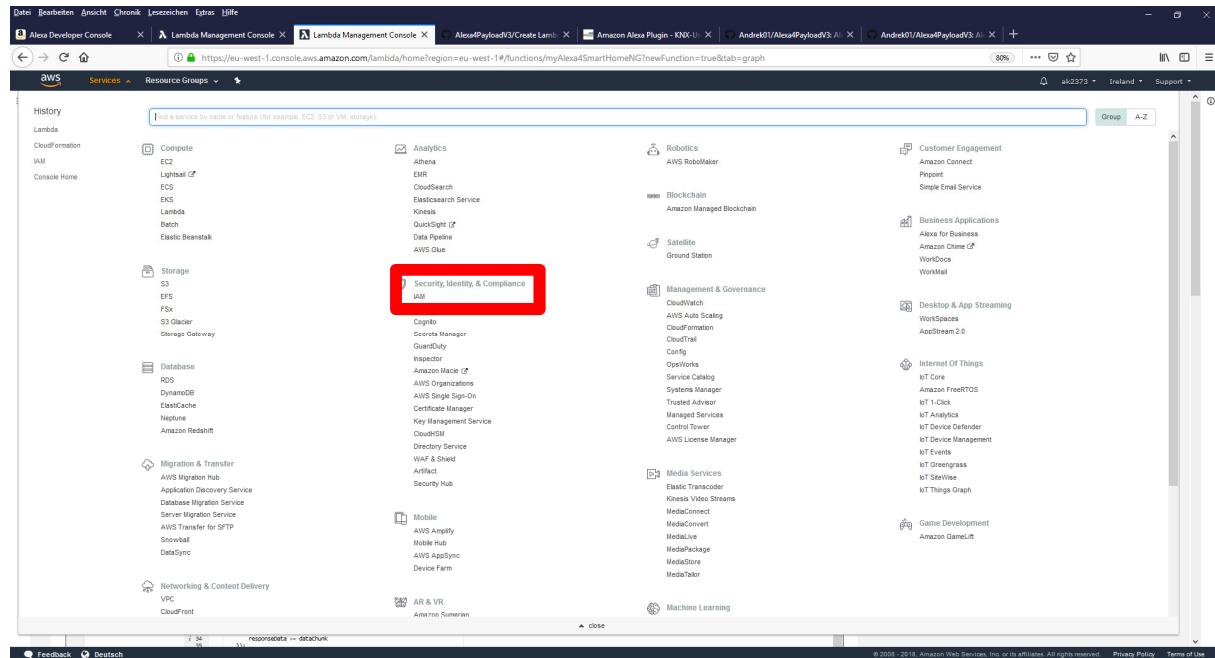


## First Create an IAM-Role

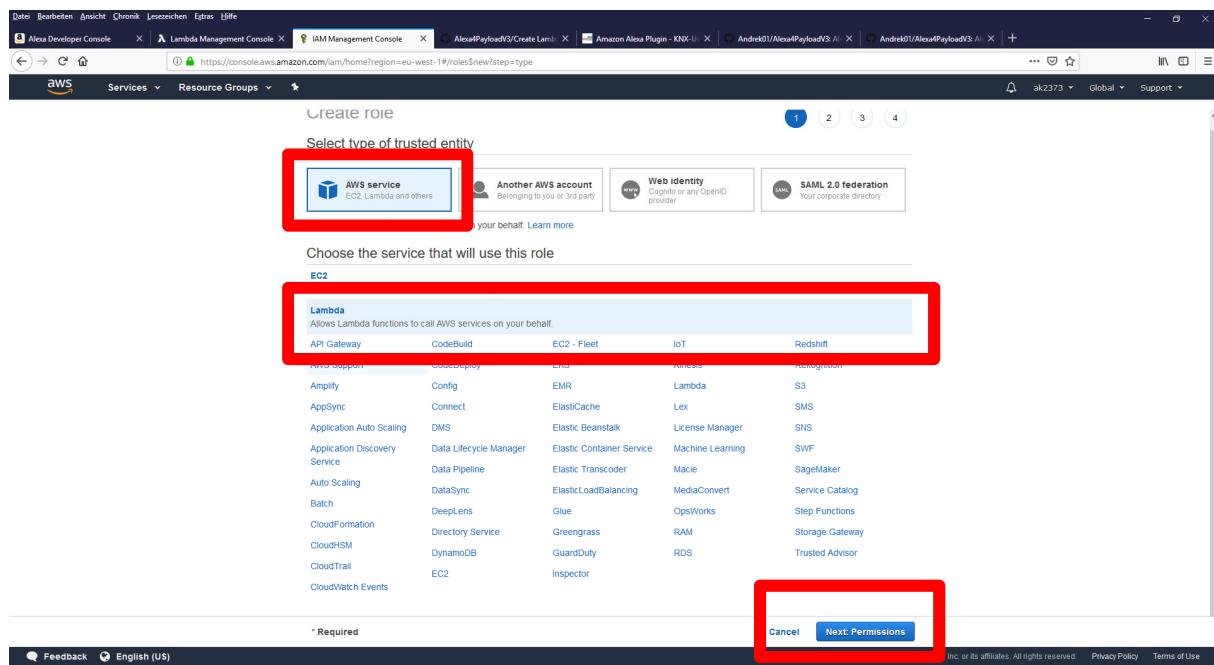


## Select Role and Create a new role

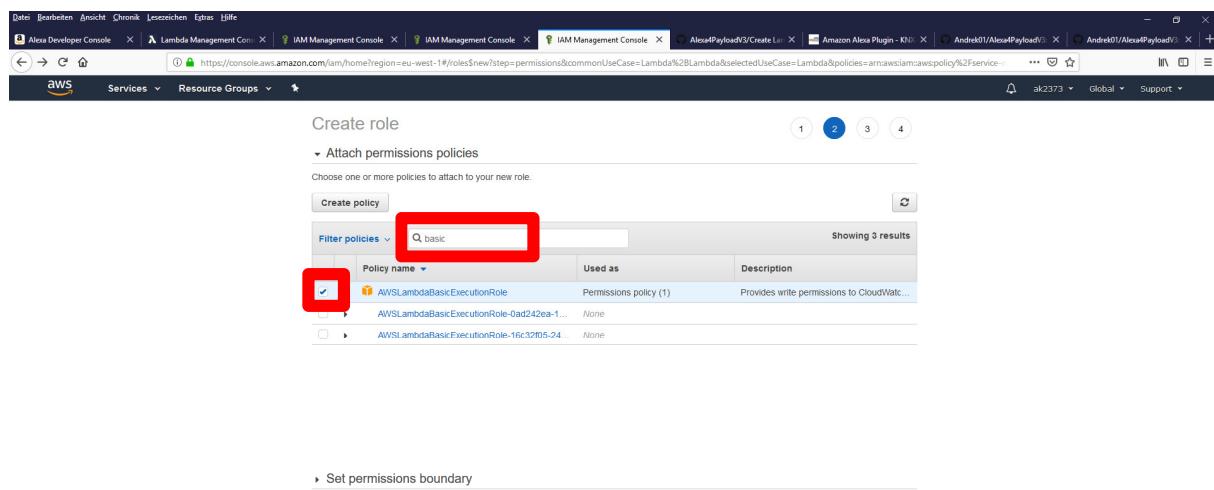
The screenshot shows the IAM Management Console with a search bar at the top. On the left, there's a sidebar with 'Roles' selected. The main area displays a table of existing roles:

Role name	Description	Trusted entities	Creation time	Role ARN
AWSServiceRoleForSupport	Enables resource access for AWS to provide billing, administr...	AWS service: support (Service-Linked role)	2018-08-17 03:00 UTC+0100	arn:aws:iam:507306576295:role/aws-service-role/support...
AWSServiceRoleForTrustedA...	Access for the AWS Trusted Advisor Service to help reduce c...	AWS service: trustedadvisor (Service-Link...	2018-08-19 06:10 UTC+0100	arn:aws:iam:507306576295:role/aws-service-role/trusted...
EndpointLambdaExecutionRole		AWS service: lambda	2018-11-11 23:06 UTC+0100	arn:aws:iam:507306576295:role/EndpointLambdaExecutionR...
lambda_basic_execution		AWS service: lambda	2018-05-15 22:39 UTC+0100	arn:aws:iam:507306576295:role/lambda_basic_execution
MyBasicExecution	Allows Lambda functions to call AWS services on your behalf.	AWS service: lambda	2018-11-27 13:10 UTC+0100	arn:aws:iam:507306576295:role/MyBasicExecution

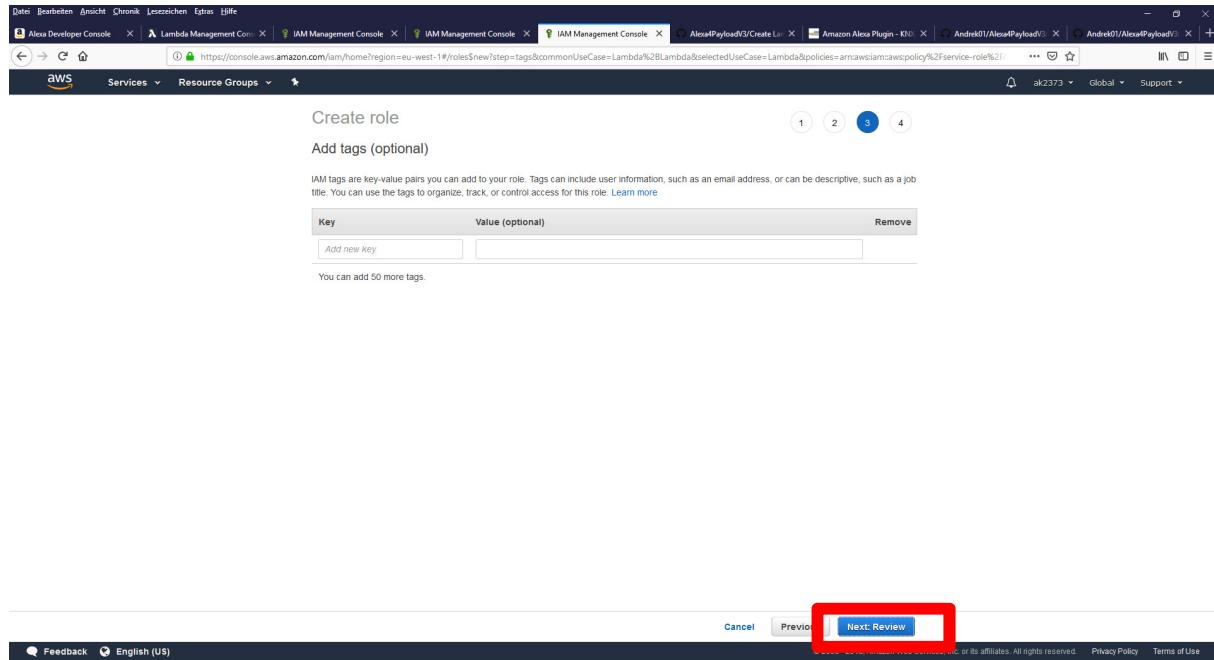
A red box highlights the 'Create role' button at the bottom of the table. The table has a header 'Showing 5 results'.



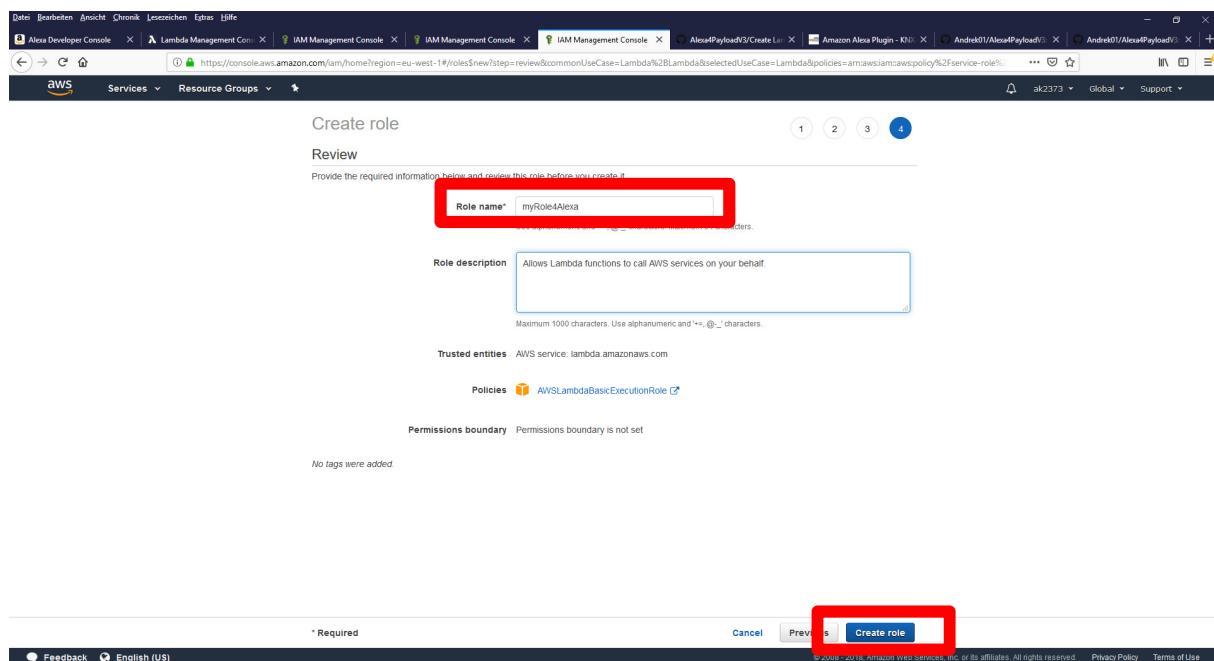
## Select Basic Lambda Execution



## Skip Tags



## Give an name and create the role

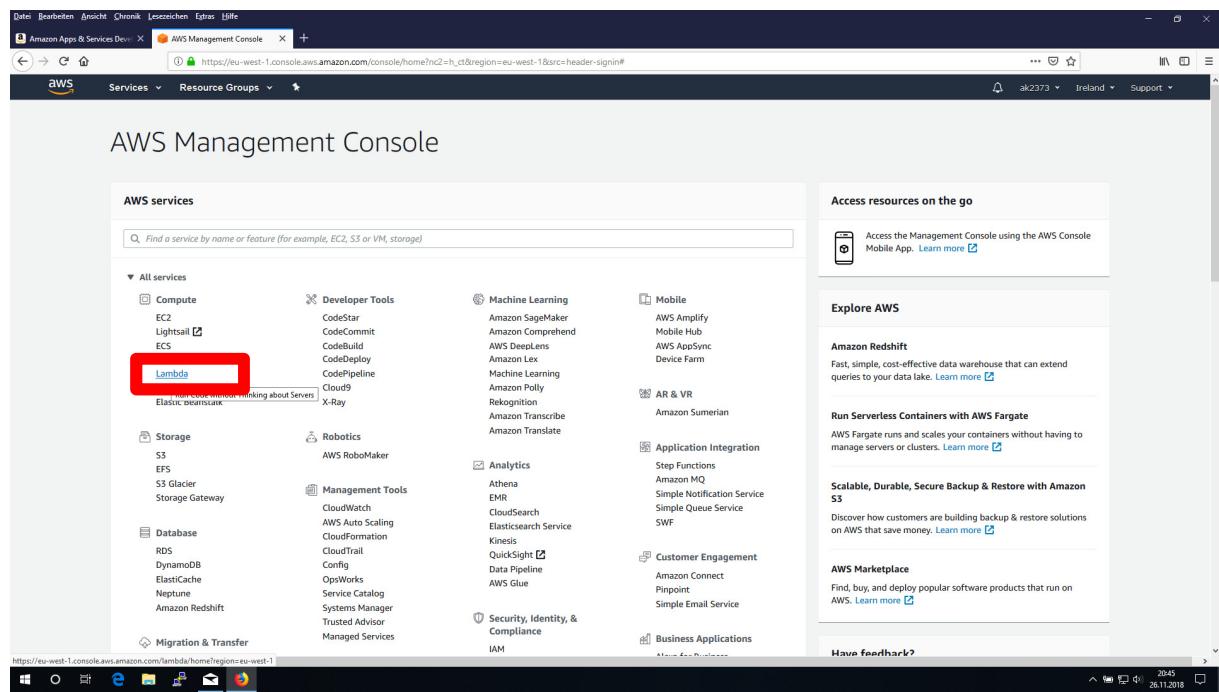


## It's done

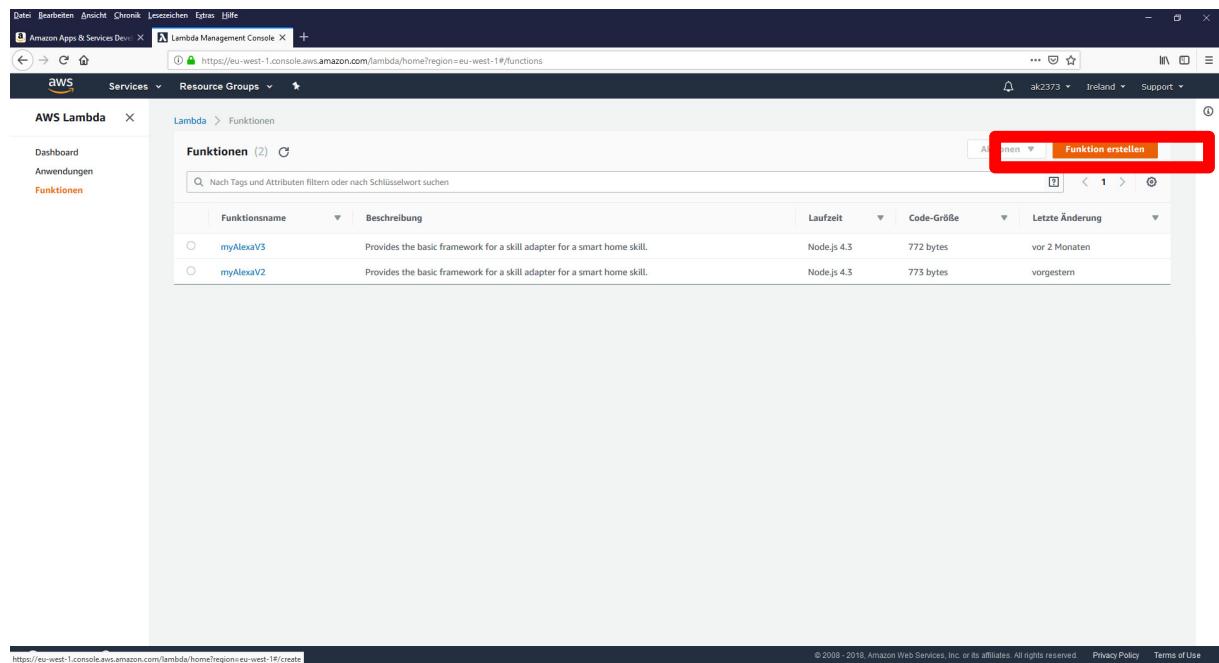
The screenshot shows the AWS IAM Management Console interface. A red box highlights a success message at the top: "The role myRole4Alexa has been created." Below this, a table lists existing roles. The newly created role, "myRole4Alexa", is visible in the list.

Role name	Description	Trusted entities	Creation time	Role ARN
AWSServiceRoleForSupport	Enables resource access for AWS to provide billing, administr...	AWS service: support (Service-Linked role)	2018-06-17 03:00 UTC+0100	arn:aws:iam::507306576295:role/aws-service-role/support...
AWSServiceRoleForTrustedA...	Access for the AWS Trusted Advisor Service to help reduce c...	AWS service: trustedadvisor (Service-Linke...	2018-08-19 06:10 UTC+0100	arn:aws:iam::507306576295:role/aws-service-role/trusted...
EndpointLambdaExecutionRole		AWS service: lambda	2018-11-11 23:06 UTC+0100	arn:aws:iam::507306576295:role/EndpointLambdaExecut...
lambda_basic_execution		AWS service: lambda	2018-05-15 22:39 UTC+0100	arn:aws:iam::507306576295:role/lambda_basic_execution
MyBasicExecution	Allows Lambda functions to call AWS services on your behalf.	AWS service: lambda	2018-11-27 13:10 UTC+0100	arn:aws:iam::507306576295:role/MyBasicExecution
myRole4Alexa	Allows Lambda functions to call AWS services on your behalf.	AWS service: lambda	2018-11-29 18:41 UTC+0100	arn:aws:iam::507306576295:role/myRole4Alexa

## Create Lambda

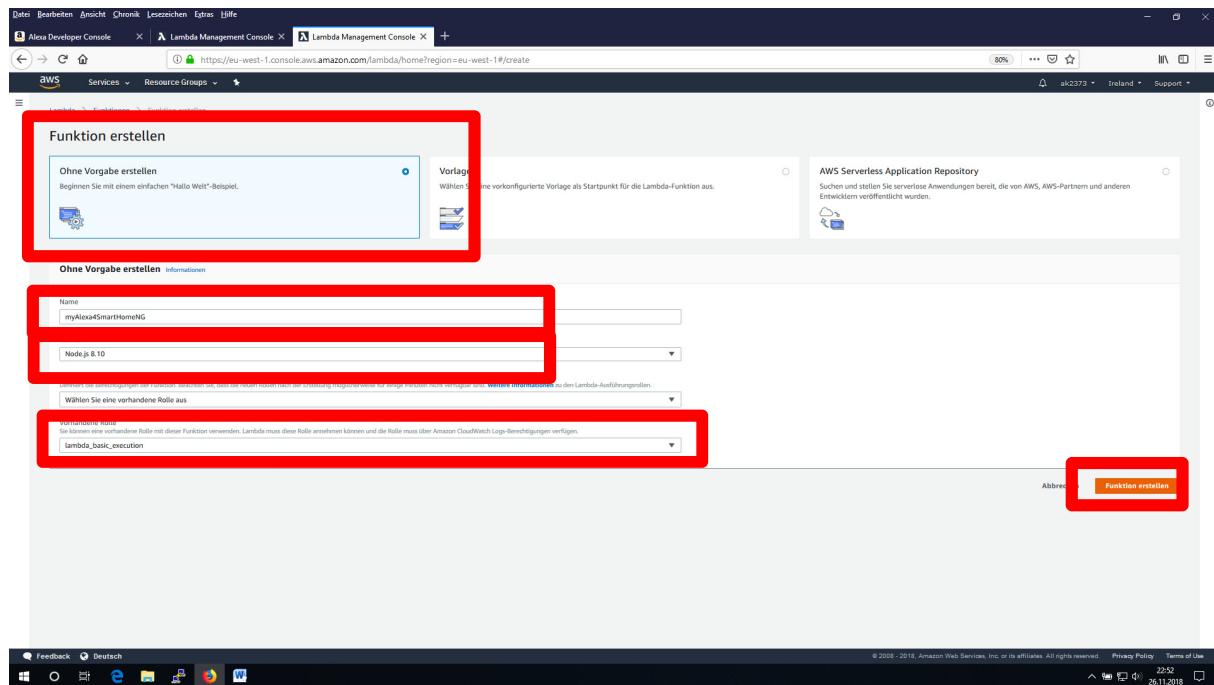


The screenshot shows the AWS Management Console homepage. The 'Lambda' service is highlighted with a red box in the 'All services' section under the 'Compute' category. The URL in the browser is [https://eu-west-1.console.aws.amazon.com/console/home?n2=h\\_ct&region=eu-west-1&src=header-signin#](https://eu-west-1.console.aws.amazon.com/console/home?n2=h_ct&region=eu-west-1&src=header-signin#).



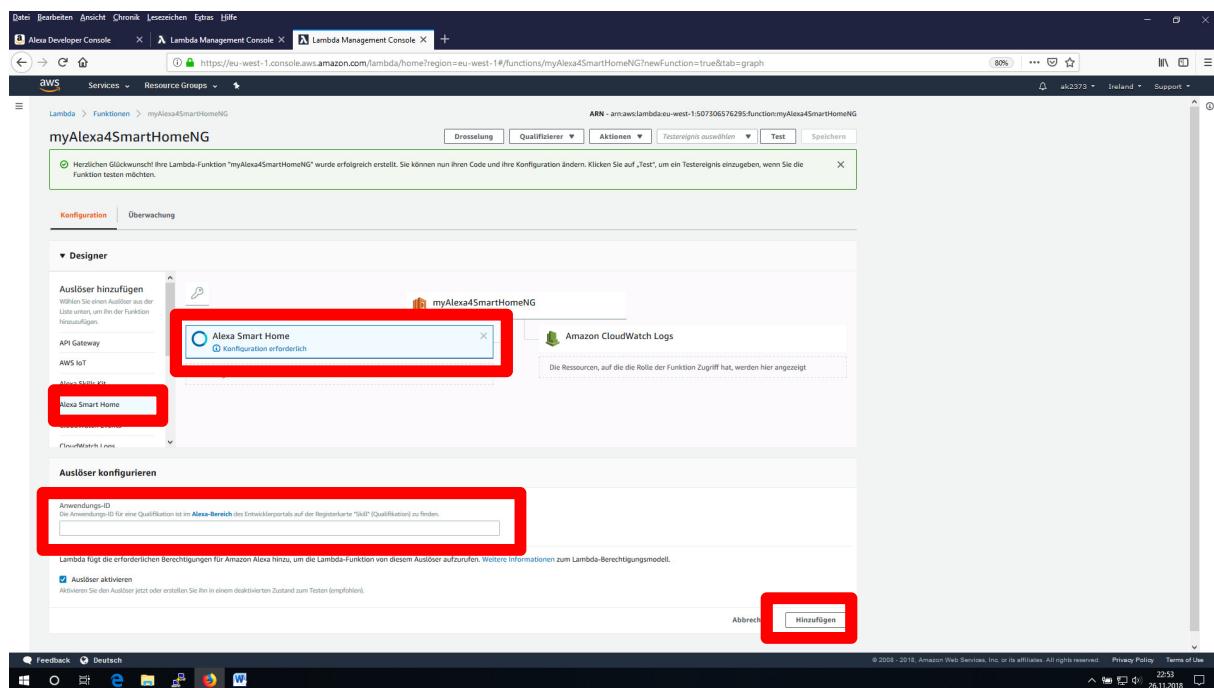
The screenshot shows the Lambda Management Console. The 'Funktionen' (Functions) page is displayed, showing two existing functions: 'myAlexaV3' and 'myAlexaV2'. A red box highlights the 'Funktion erstellen' (Create Function) button at the top right of the table. The URL in the browser is <https://eu-west-1.console.aws.amazon.com/lambda/home?region=eu-west-1#/functions>.

Funktionsname	Beschreibung	Laufzeit	Code-Größe	Letzte Änderung
myAlexaV3	Provides the basic framework for a skill adapter for a smart home skill.	Node.js 4.3	772 bytes	vor 2 Monaten
myAlexaV2	Provides the basic framework for a skill adapter for a smart home skill.	Node.js 4.3	773 bytes	vorgestern



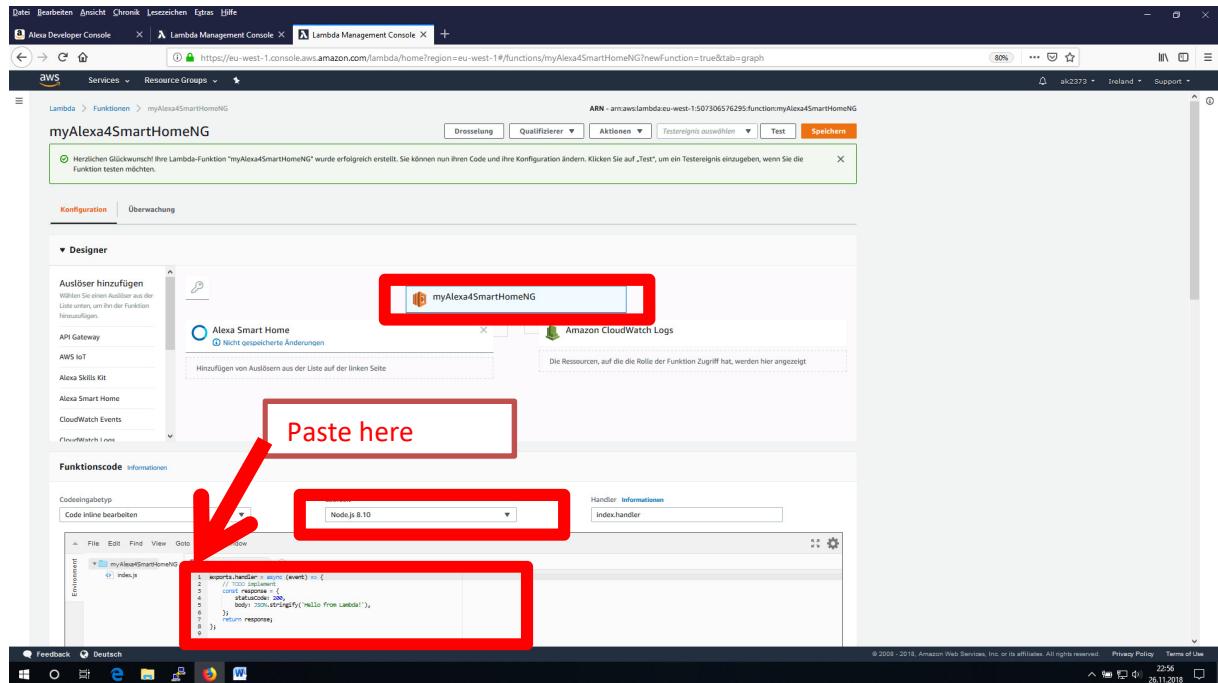
## Setup the Trigger:

- Add the trigger „Alexa Smart Home“ on the left side
- Then click on the trigger in the middle of the screen
- Enter the Skill ID you got while creating the skill on the bottom of the screen
- Click the „Add“-Button



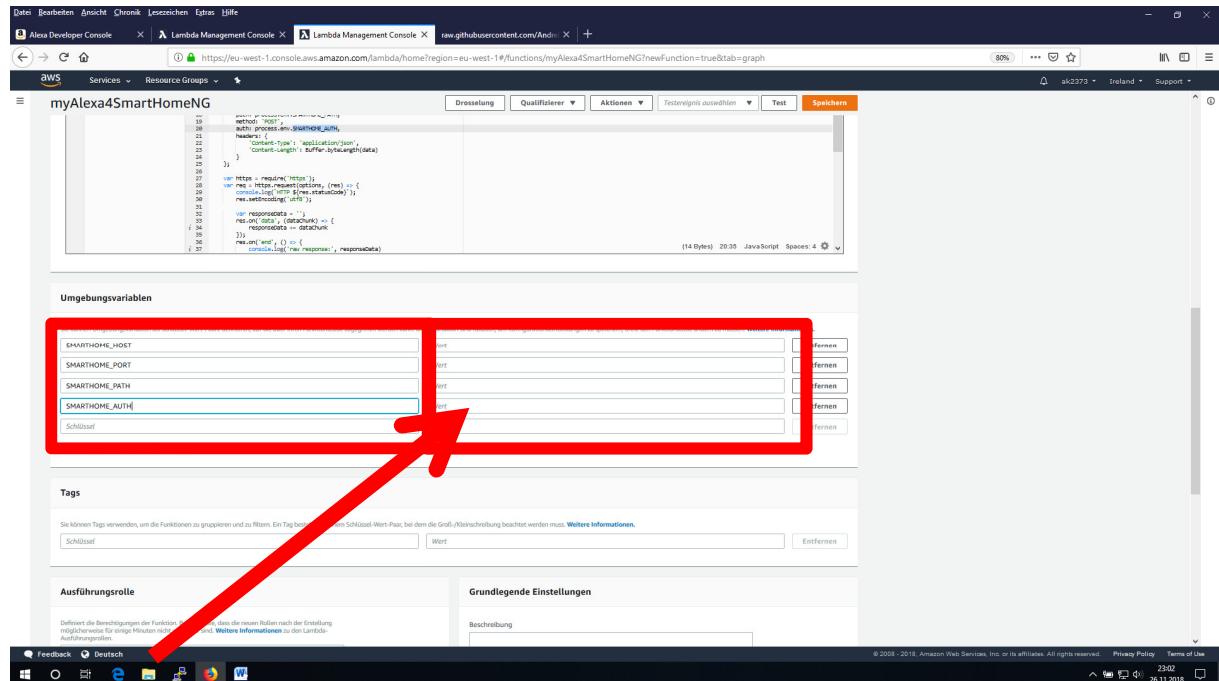
## Setup the Lambda-Function :

- Click on the Lambda-Function
- Delete all in Code-Window „index.js“
- Paste in Code Windows from „[aws\\_lambda.js](#)“
- Node.js.8.10 is good as Node.js.4.3, no matter

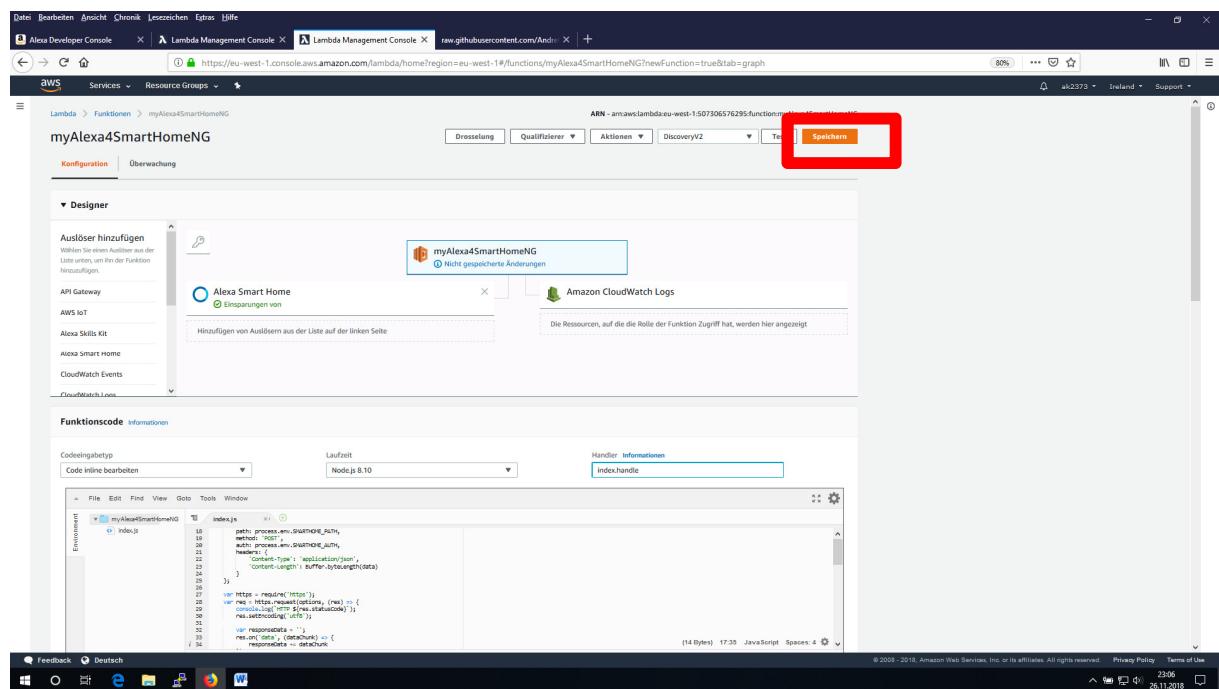


## SetUp Enviremont :

- Create Keys for Host, Port, Path an Auth, enter the values
- Host is without https:// (only URL)
- Path is with leading slash („/“)
- Auth is user:pwd

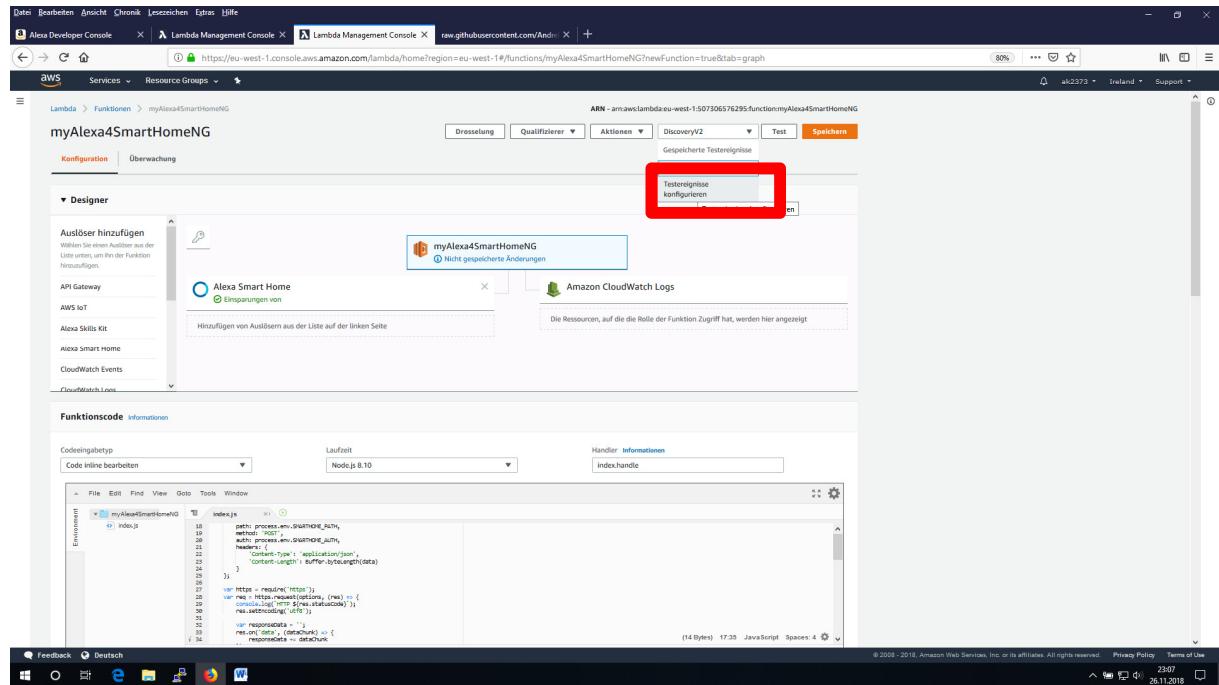


## Save Changes :

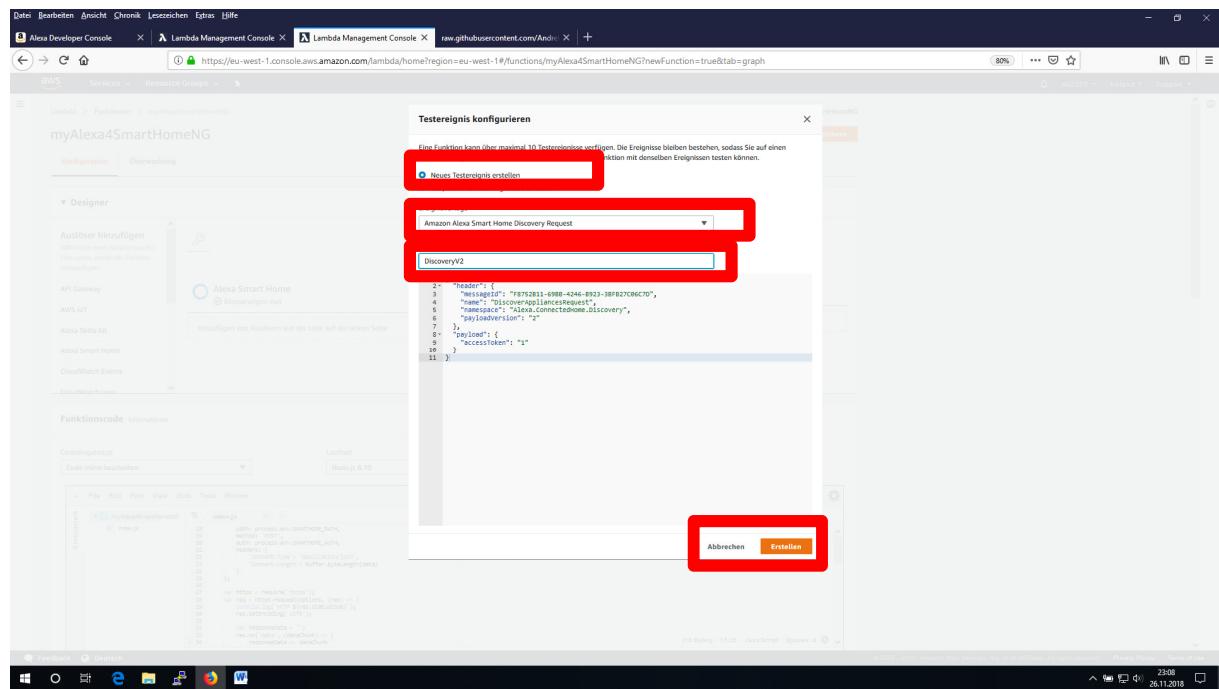


## Create Test-Event:

### Step 1



### Step 2



## Check Lambda :

The screenshot shows the AWS Lambda Management Console interface. A modal window is open, displaying the execution results for the function 'myAlexa4SmartHomeNG'. The results are categorized into 'Ausführungsergebnis: erfolgreich (Protokollidaten)' and 'Details'. Below this, there is a large code snippet showing the payload sent to the Lambda function. The payload includes details about discovered appliances, such as 'smartHomeNG' and 'Kolladen Essen West'. The modal also displays performance metrics: Dauer (175.80 ms), Ressourcen konfiguriert (128 MB), and Anfrage-ID (f544d570-f1c7-11e8-bad7-015b37942a5). At the bottom of the modal, there are two buttons: 'DiscoveryV2' and 'Test', both of which are highlighted with red boxes. The background of the screenshot shows the AWS navigation bar and other open tabs.