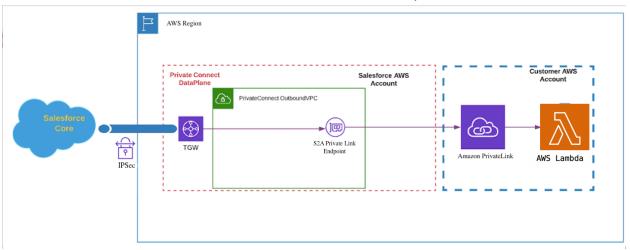
[Customer] Salesforce Private Connect: Outbound Private Connection to AWS Lambda from Salesforce Org

Salesforce Confidential

Overview

This documentation will demonstrate how customers can connect to AWS Lambda through Salesforce Private Connect outbound connection instead of the public internet.

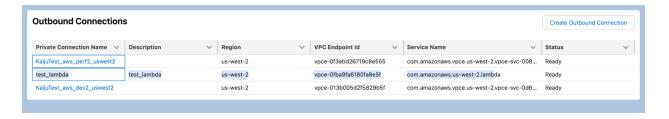


Goal

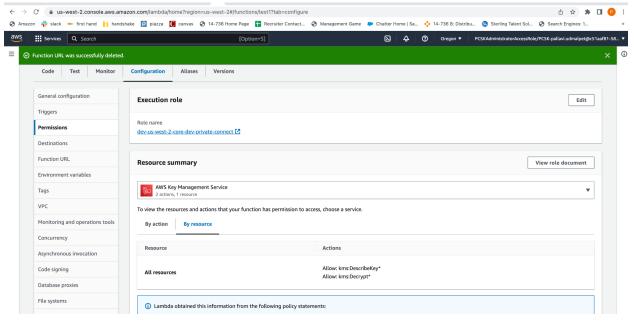
The traffic is going through an outbound connection instead of the public internet.

Steps

 Go to the Salesforce Private Connect portal and create an outbound connection. (VPC Endpoint Service Name: com.amazonaws.<region>.lambda)

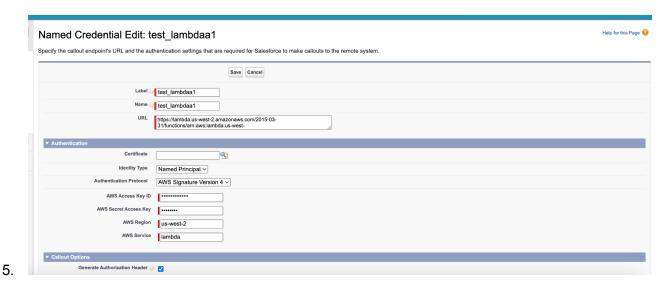


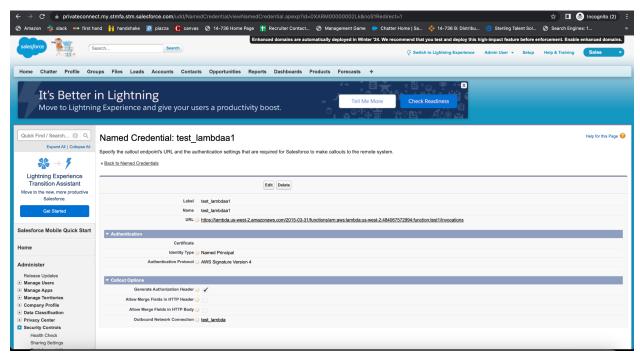
 Go to your AWS Account and create a Lambda (For this purpose I have created a dummy lambda with just a role with some policies such as: AWSLambdaBasicExecutionRole)



- 3. Go to the Salesforce Named Credentials portal and configure an entry based on your authentication requirements. In this demo, we will use the New Legacy option to create an AWS Signature Version 4 based named credentials and add the AWS Access Key ID and AWS Secret Access Key. (Follow the Permission Control section of the document to create a new user)
- 4. TheNamed credentials URL would be https://lambda.<region>.amazonaws.com/2015-03-31/functions/<function arn>/invocations

2.





- 1. Click the Settings icon in the top-right corner and then open Developer Console.
- Follow the below steps to run a few operations against Lambda via a private connect outbound connection.

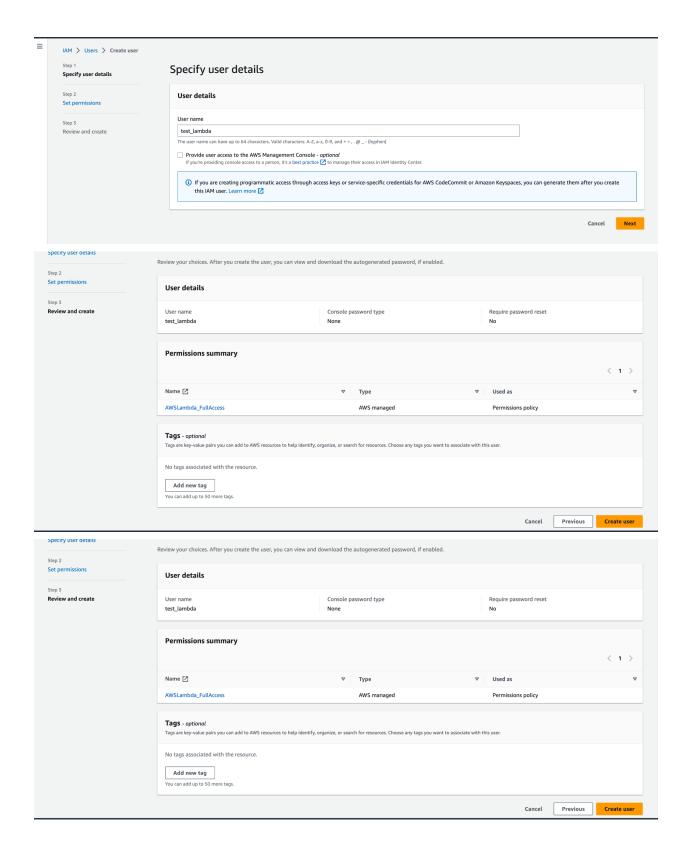
This apex code:

```
Http http = new Http();
HttpRequest request = new HttpRequest();
request.setEndpoint('callout:test_lambdaa1');
request.setMethod('POST');
//request.setHeader('X-Amz-Target', 'Lambda.');
```

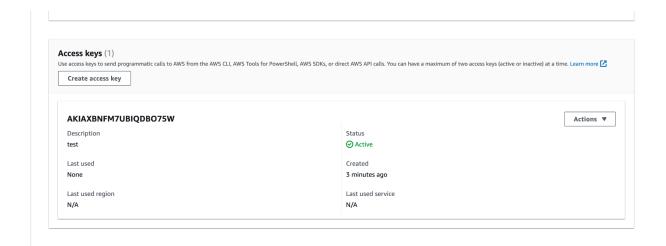
```
request.setHeader('Content-Type', 'application/x-amz-json-1.1');
request.setHeader('X-Amz-Invocation-Type', 'Event');
request.setHeader('X-Amz-Log-Type', 'Tail');
HttpResponse response = http.send(request);
System.debug(response.getBody());
```

Permission Control

1. Create a new user:



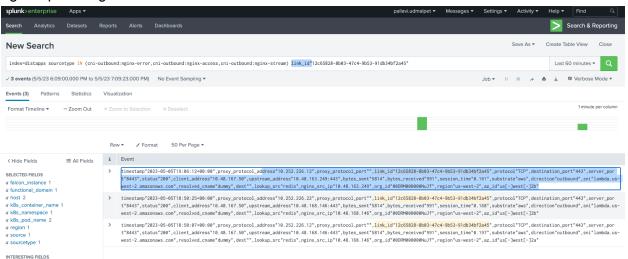
1. Once the user is. created add the access keys



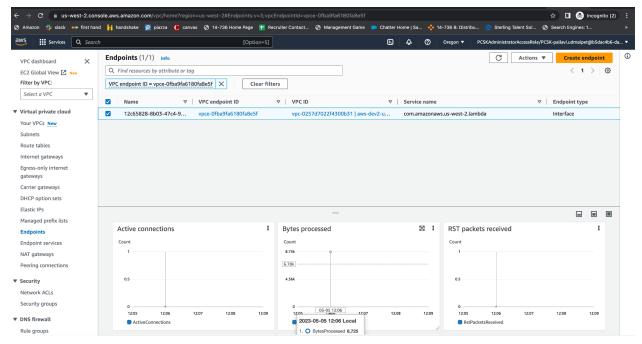
1. once created store it locally and use it to create named credentials in step 4.

References for (PC team)

Nginx splunk logs:



vpce-endpoint metrics:



Lambda logs:

