# **How to call Lambda Api methods**

Following are the HTTP methods used to access lambda function for Id-Generator project.

1. POST
2. PUT
3. GET

# **Post Method:**

Post method is used to generate Id for every application and stores that Id along with application name, sequence type, current date, current time and user information in the SequenceIds table.

Post request takes some parameters to send data to lambda function. These parameters are in JSON format.

Details of POST request parameters:

**AppName**: This is the application name e.g. **GuideWire**, **Surety**, **Arden** and **APS**.

**Type**: This is Id Type e.g. **Account**, **Policy** and **Quote**.

**User**: This contains user details e.g. email address or any other system info

* Example POST request with parameters:

{

“User”:”JDOE123@email.com”,

“AppName”: “GuideWire”,

“Type”: “Account”

}

* The above request returns following json :

{

“number”:”30000006”,

“message”:“Account number for GuideWire returned successfully.”

}

# **Put Method:**

Put method is used to assign new sequence range to SequenceRange table and set status false to the previous range.

Put request takes some parameters to send data to lambda function. These parameters are in JSON format.

Details of PUT request parameters:

**StartRange**: This is the starting point of new sequence range e.g. **80000001**.

**EndRange**: This is the end point of new sequence range e.g. **90000001**.

**UserRole**: This is the name of user role e.g. **Admin**, **HR** and **etc**.

**NOTE:**

Only **Admin** can assign new range.

* Send PUT request with the following json parameters:

{

"StartRange": " 30000001",

"EndRange": " 80000000",

"UserRole": "Admin"

}

* The above request assigns the new range for all applications.

{

New range assigned successfully which is : 80000001, 90000001

}

# **Get Method:**

Get method works in three ways:

1. Gets only latest Id and details for all applications from SequenceIds table.
2. Gets the most recent detail for a single application from SequenceIds table.
3. Gets detail for a specific Id from SequenceIds table.

To get only latest Id details for all applications from SequenceIds table. Call GET request without QureyString Parameters.

* The above request return the latest Id details for all applications.

{

[

30000001,

“GuideWire”,

“Policy”,

3/24/2023,

02:10:05,

“JDOE123@gmail.com”

],

[

30000002,

“GuideWire”,

“Account”,

3/24/2023,

02:10:07,

“JDOE123@gmail.com”

],

[

30000003,

“GuideWire”,

“Policy”,

3/24/2023,

02:10:09,

“JDOE123@gmail.com”

]

}

To get last record of any application from the database, send a parametrized GET request. Url of the request looks like below:

**https://fogykt2ixwomumpk4en76d6roq0jwlrq.lambda-url.us-east-1.on.aws?AppName=GuideWire&Type=Policy**

* It returns audit detail of last Id generated for the provided **AppName** and **Type**.

{

[

30000003,

“GuideWire”,

“Policy”,

3/24/2023,

02:10:09,

“JDOE123@gmail.com”

]

}

To get data from database based on the Id, send a parametrized GET request. Url of the request looks like below:

**https://fogykt2ixwomumpk4en76d6roq0jwlrq.lambda-url.us-east-1.on.aws?Id=4000002&AppName=GuideWire&Type=Policy**

* It returns detail of the Id for the **AppName** and **Type** provided (if it exists)

{

[

30000002,

“GuideWire”,

“Account”,

3/24/2023,

02:10:07,

“JDOE123@gmail.com”

]

}

# **How to change initial startup values in Terraform:**

Open project folder in any editor( VS Code, Notepad++ etc ).

Select **variables.tf** file and change the **start\_range** and **end\_range** variable values according to your sequence range.