**Data exchange with AL language:**

For comfortable API tests, I advise you to install POSTMAN ([www.getpostman.com](http://www.getpostman.com))

**Task 3.**

Creating records in Business Central through API in Selected Company

**Sources:**

1. Your BC API URL:

https://VMNAME.ZONE.cloudapp.azure.com:7048/bc/api/v1.0/companies

1. Items API:

<https://VMNAME.ZONE.cloudapp.azure.com:7048/bc/api/v1.0/companies(CompanyID)/items>

1. Customers API:
2. https://VMNAME.ZONE.cloudapp.azure.com:7048/bc/api/v1.0/companies(CompanyID)/customers
3. GitHub Repository with source code: github.com/abaludin/RecordCreator

**Step 1**

Open your user card, Create Web Access Key. Use it as password.

Test with Postman or browser that you have a connection to BC APIs. Test Companies API, items and customers

**Step 2**

Create Setup table and Page (card type) with next fields:

* Entry no. (As you prefer) \*key
* API URL (Text) = https://VMNAME.ZONE.cloudapp.azure.com:7048/bc/api/v1.0/companies
* Username (text)
* Web Access Key (text)

**Step 3**

Create management codeunit

* Create function to get authorization token:

Username + : + Web Access Key – converted to base64 format (using new codeunit Base 64 Convert)

* Create function for testing connection to api.

Tip: to add Authorization to HttpClient use:

Client.DefaultRequestHeaders().Add('Authorization', 'Basic ' + AuthorizationToken);

**Step 4**

Create page for record creation. Without Source table, just variables:

* Company Name (TableRelation = Company.Name)
* Record Type – option or enum with Item and customer values
* Description

Create action to call TestConnection function from step 3

**Step 5**

* Create “Create Item” function in codeunit, accepting Company ID and Description (from page from Step 4)
* Make function CreateItemObject which creates JsonObject like this:

{

"displayName": "Description",

"baseUnitOfMeasure": {

"code": "PCS",

"displayName": "Piece"

}

}

* Send this object to Items API (in selected company) with POST method. Do not forget to add Content-type header.

Headers.Add('Content-Type', 'application/json');

* Check in BC that Item created

**Step 6**

Repeat Step 5 for customers entity.

Object will be:

{

"displayName": "Description",

"type": "Company",

"address": {

"street": "Bruno-Kreisky-Platz",

"city": "Vienna",

"countryLetterCode": "AT"

}

}

**Final Result:**

