Demo 5 - F&O HTTPS endpoint

Wednesday, October 9, 2019 3:34 PI

Requirements:

- Azure subscription
- F&O subscription
- An HTTPS endpoint to listen for events / requests (for example using an Azure Function)

1. Create a new Key Vault:

a. From the Azure portal, click to + Create a Resource > Key Vault > Create and set it up like this:

Subscription: select the appropiate one

Resource group: select an existing one or create a new one

Key vault name: give it any name

Region: West Europe Pricing tier: Standard



- b. Click Review and Create > Create.
- c. Once created, go to the Key Vault and under **Overview** copy the **DNS Name** value.
- d. Under **Secrets** click on **+Generate/Import**, give this secret a name and paste the URL of your HTTP endpoint, leave the rest of field values by default and click **Create**.
- e. Copy the name of the secret you just created.

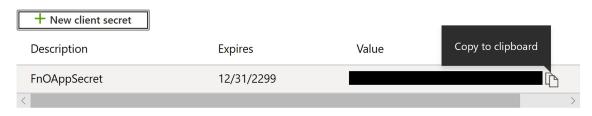
2. Register a new app:

- a. Go to All Services > Security > Azure Active Directory > App Registrations > New Registration, give it a name and click Register.
- b. Once created, go to **Certificates & Secrets** > **+New Client Secret**, give the secret a name and set it to never expire:

Add a client secret

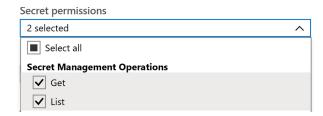


c. Copy the secret (make sure you copy it now, otherwise you will need to create a new one if you don't):



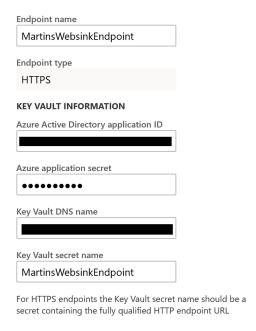
- d. Go to Overview and copy the Application (client) ID.
- 3. Add an access policy to your Key Vault:
 - a. Go to the Key Vault you created earlier then go to Access Policies > +Add Access Policy, set it up like this:

Select Principal: select the App you registered earlier > **Select** Secret permissions: select Get and list:

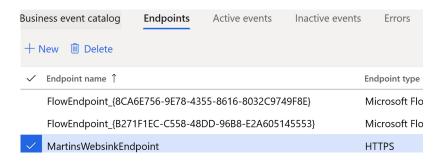


- b. Click Add.
- c. Click Save.
- 4. Add a new endpoint in F&O:
 - a. Go to System Administration > Setup > Business Events > Business Events Catalog > Endpoints > +New
 - b. Select **HTTPS** endpoint, give it a name and fill in each field with the values you have copied in the previous steps, then click **Ok**:

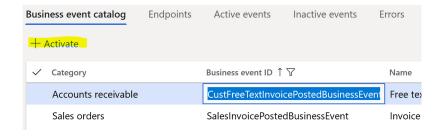
Configure new endpoint



c. If successful, you should now see your new HTTPS endpoint listed:

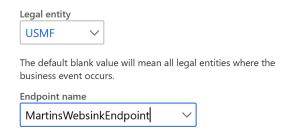


- 5. Activate the business event:
 - a. Go to System Administration > Setup > Business Events > Business Events Catalog > select the CustFreeTextInvoicePostedBusinessEvent event from the list (filter by Business event ID) > click on +Activate:

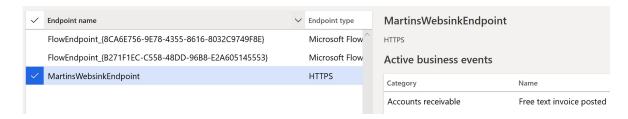


b. Select USMF for the legal entity and for the endpoint select the one you created in the previous step, then click **Ok**:

Configure new business event



c. If you want you can go to Endpoints and confirm that the business event is now active for your endpoint:



- 6. Test your new endpoint:
 - a. Create a free text invoice in F&O (Accounts Receivable > Invoices > All Text Invoices > New) and Post It.
 - b. If all works well, your endpoint should have received the business event related request:
 - 10/09/2019 15:59:54 {"BusinessEventId":"BusinessEventsTestEndpointContract","ControlNumber":-9223372036854775808,"EventId":"D3E400EB-B11F-4B8F-907A-9F849249EE63","EventTime":"/Date(1570636794000)/","MajorVersion":0,"MinorVersion":0,"TestField":""}
 10/09/2019 16:12:16 {"BusinessEventId":"CustFreeTextInvoicePostedBusinessEvent","ControlNumber":5637145331,"EventId":"AF77DE2B-4318-4ED6-A0B6-D859C640C366","EventTime":"/Date(1570637522000)/","InvoiceAccount":"DE-001","InvoiceAmountInAccountingCurrency":0.0,"InvoiceDate":"/Date(1570579200000)/","InvoiceDueDate":"/Date(1571443200000)/","InvoiceId":"FTI-00000027","InvoiceTaxAmount":0.0,"LegalEntity":"usmf","MajorVersion":0,"MinorVersion":0}
 10/09/2019 16:16:24 {"BusinessEventId":"CustFreeTextInvoicePostedBusinessEvent","ControlNumber":5637145332,"EventId":"BC42CA8D-ACAC-4654-8D9E-42C3B8B11018","EventTime":"/Date(1570637774000)/","InvoiceAccount":"DE-001","InvoiceAmountInAccountingCurrency":136.99,"InvoiceDate":"/Date(1570579200000)/","InvoiceDueDate":"/Date(1571443200000)/","InvoiceId":"FTI-00000028","InvoiceTaxAmount":0.0,"LegalEntity":"usmf","MajorVersion":0,"MinorVersion":0}

The first one corresponds to a request that F&O sent out when you created the new endpoint. The rest correspond to the actual business events (in this case, free text invoice posted).