**Export to Data Lake in Finance and Operations apps**

**Source:** [**Doc**](https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/finance-data-azure-data-lake)

This feature lets you copy data from your Finance and Operations apps into your own data lake.

In this you select the data that you want, the system makes an initial copy & makes it available in your data lake. The system then keeps the selected data up to date.

**Enable the Export to Data Lake feature**

The Export to Data Lake add-in(feature in Finance and Operations environments) must be installed to connect your environment with a data lake.

**-Create Service Principal for Microsoft Dynamics ERP Microservices:**

The Export feature is built using a microservice that exports Finance & Operations app data to Azure Data Lake. Microservice uses the Azure service principal, Microsoft Dynamics ERP Microservices, to securely connect to your Azure resources.

**-Configure Azure Resources:**

The steps, which take place in the Azure portal, are as follows:

**1)Create an application in Azure Active Directory:**

App registration & give API permissions in AAD

**2)Create a Data Lake Storage (Gen2 account) in your subscription:**

The Data Lake Storage account will be used to store data from your Finance and Operations apps

**3)Grant access control roles to applications:**

This step is to grant application permissions to read and write to the storage account. .( in Access Control)

**4)Create a key vault**:

This step will provide a secure way to share details such as storage account name to Finance and Operations apps.

**5)Add secrets to the key vault:**

We have to create three secrets in the Key vault namely -app-id(The ID of the application created earlier.) -app-secret(The client secret specified earlier.) -storage-account-name(The name of the storage account created earlier.)

**6)Authorize the application to read secrets in the key vault:**

Add access policy

**7)Power Platform integration:**

(Doubt on this part need to get more insights on this)

**8)Install the Export to Data Lake add-in in LCS**

**Note:** By this time Export to Data Lake add-in is installed in F & O apps

Now,

**-Select data:**

We can select the tables and entities that should be staged in Data Lake:

-In your environment, go to System Administration > Setup > Export to Data Lake.

-Click on the Choose Tables tab, select the data tables that should be staged in Data Lake.

-Now select Add Tables to add the selected tables to Data Lake.

- Select Activate data feed, and then select OK.

- On the Choose using Entities tab, select the entities, and then select Add Tables using Entities.

**Note:** By this time data transfer will took place.

Now,

**-Monitor the tables in Data Lake:**

Data will show up in data lake in short span of time.