# Concept

 

* There are two D365 environment: On-premise and Cloud
* The idea is to integrate both environment without exposing On-premise to external network
* Staging database will be used to temporarily hold data from one environment to be retrieved by the other environment
* Records to be synchronized are: Product master, sales order, order posting status, stocks consumption

# Technologies to be used

Technology to be used is any of the following:

* Custom Service (SOAP)
* Custom Service (JSON)
* OData Integration

# Procedures

I have configured the following as per D365 Dynamics Cookbook and <https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/data-entities/services-home-page> :

* App Registration from the AAD





* Azure Active Directory applications from D365O



# Authentication Code

Followed the code from D365 Development Cookbook and [Github](https://github.com/Microsoft/Dynamics-AX-Integration).

## Authentication



## Client Configuration



## Authentication Testing



## Sample Output





# Integration Code

## SOAP



## JSON







## ODATA



# Error

## SOAP





## JSON





## ODATA

