

**MB-500: Microsoft Dynamics 365: Finance and Operations Apps
Developer
Lab 1 – Development Environment Configuration**

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Lab Environment

In order to run this lab, you will need:

- (Optional) A Lifecycle Services account with an environment created
- An all-in-one demo data VM with
 - o Visual Studio installed, and a Visual Studio subscription. These are available for free at <https://visualstudio.microsoft.com/free-developer-offers/> .

Lab Overview

- Open the Dynamics 365 Finance and Operations Azure-hosted instance
- You will configure Visual Studio to do development work for Dynamics 365 Finance and Operations
- You will create a new project and model for doing the lab

Estimated time to complete this lab: 15+ minutes

Scenario

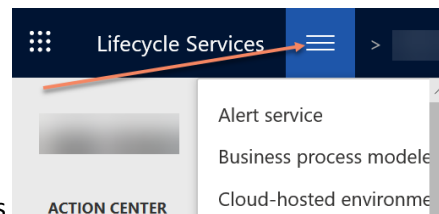
In this lab, we will configure the Visual Studio features to work conveniently with Dynamics 365 Finance and Operations Apps. We will also create a model and a project, where we will do most of the development work.

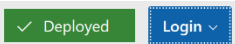
The lab will extend some feature of the Accounts Receivable module to capture Flying Details of the Customers. We will develop a process to update the Flying status of the customers in subsequent labs.


Exercise 1: Open Dynamics 365 for Finance and Operations

If you have an LCS project:

1. In your browser, please type <https://lcs.dynamics.com>
2. Sign In using the credentials provided to you
3. Read and accept Terms & Conditions
4. You will find a Dynamics 365 for Finance and Operations project is already created for you to use for this lab
5. Once you enter inside the project and scroll in the right, you will find a Development instance is already hosted under the Environment tab. It may also be found in the menu




6. Select the **Start** button and wait for the environment to start
7. After a few minutes, refresh the browser and see if you have these two buttons
 at the right top corner

8. Select the **Login** button followed by **Log on to environment** option  to launch Dynamics 365 for Finance and Operations browser-based user interface
9. After the environment is up, if you scroll down, you will find the VM details as follows

LOCAL ACCOUNTS

VM Name	User name	Password	Expire time (local)
KrishDevBox-1	builtin\Admin4daf7e3f9e	  *****	-

10. Select the highlighted icon  and view the password; click the copy icon to copy it
11. Select the VM Name link and launch the Remote Desktop session. It will ask for credentials. Please provide the credentials from the last step.

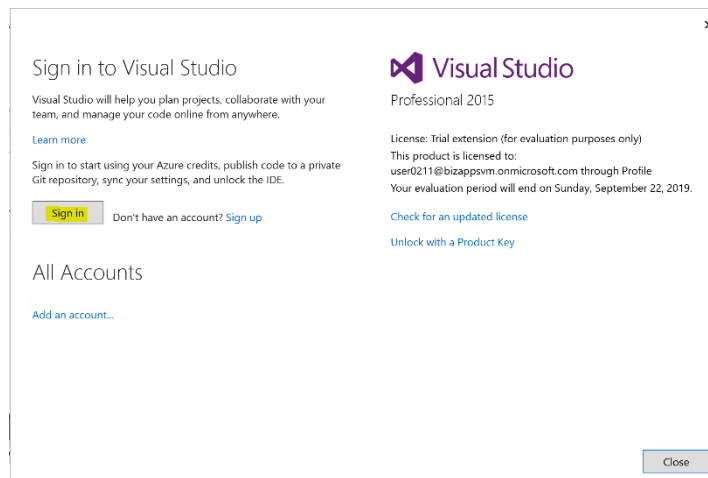
If you have a virtual machine:

1. Log into the machine using the credentials provided to you

Exercise 2: Configure Visual Studio

In this exercise, you will configure Visual Studio in the development VM for Dynamics 365 for Finance and Operations programming.

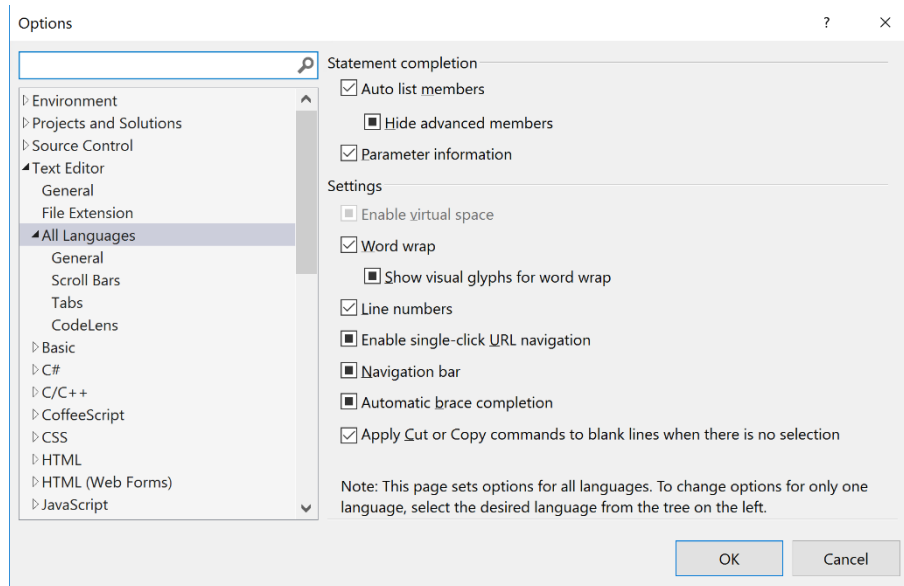
1. Search for Visual Studio, and open it as administrator. The following screen will pop up



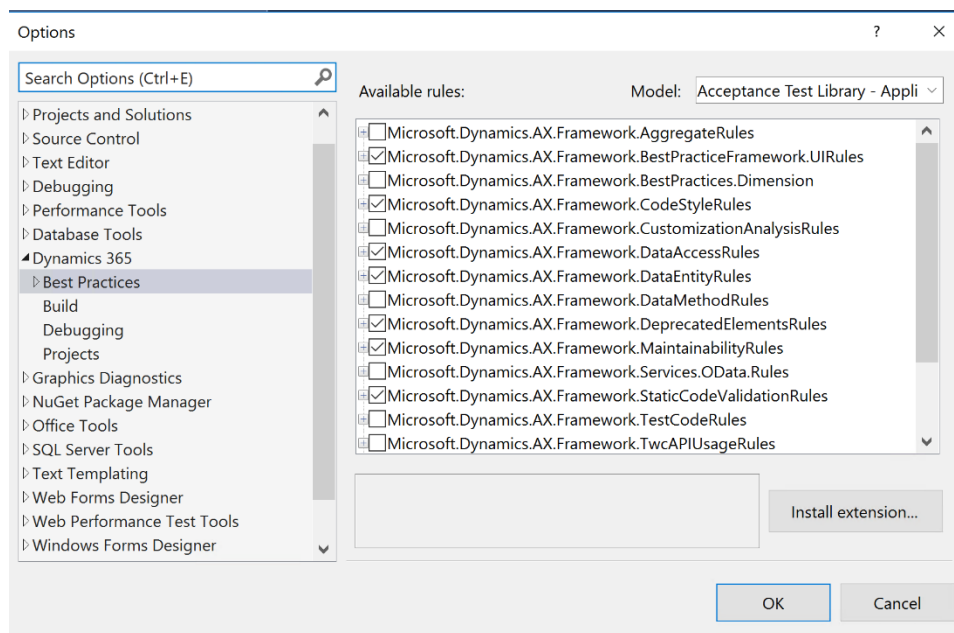
2. Select **Sign in** button, enter your credentials and close the form
3. Open menu **Dynamics 365 > Options** in Visual Studio and expand **Text Editor**

Select **All Languages** node:

- a. Select the Word wrap check box
- b. Select the Line numbers check box



4. In the menu **Dynamics 365 > Options**, expand the **Dynamics 365** node



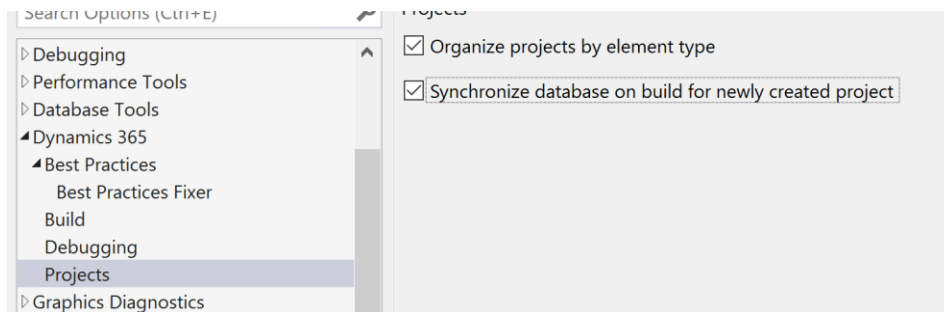
Select Best Practices node and make sure the following are checked: (All are under Model Acceptance Test Library – Application Suite and begin with Microsoft.Dynamics.AX.Framework.)

- a. BestPracticeFramework.UIRules
- b. CodeStyleRules
- c. DataAccessRules
- d. DataEntityRules
- e. DeprecatedElementsRules
- f. MaintabilityRules
- g. StaticCodeValidationRules

5. In the menu **Dynamics 365 > Options**, expand the **Dynamics 365** node

Click Projects node

- a. Verify that the **Organize projects by element type** check box is selected
- b. Verify that **Synchronize database on build for newly created project** check box is selected



6. Select **OK** to save selections

Exercise 3: Create new Model and Project

1. On the Visual Studio menu, click **Dynamics 365**
2. Select **Model Management > Create model**
 - a. Model name: DynamicsDevTraining
 - b. Model publisher: D365F&O developer
 - c. Layer usr
 - d. Version 1.0.0.0
 - e. Model description: Dynamics 365 F&O development training
 - f. Model display name: D365 F&O dev training
3. Click **Next** and select **Create new package** radio button

Create model

Steps	Select package
Add parameters	
Select package	<input checked="" type="radio"/> Create new package Create a model that builds into its own assembly and is deployed as a separate package. Choose this option to extend the application.
Select referenced packages	

4. Click **Next** and choose these under **Select referenced packages**
 - a. Application Foundation
 - b. Application Platform (default selected)
 - c. Application Suite
 - d. ContactPerson
 - e. Directory

Update model parameters

Steps
Update model parameters
Select referenced packages
Summary

Select referenced packages
Packages [Models]

- ☐ AccountsPayableMobile [Accounts Payable Mobile]
- ☐ ApplicationCommon [Application Common]
- ☒ ApplicationFoundation [Application Foundation]
- ☐ ApplicationFoundationFormAdaptor [Application Foundation Form Adaptor]
- ☒ ApplicationPlatform [Application Platform]
- ☐ ApplicationPlatformFormAdaptor [Application Platform Form Adaptor]
- ☒ ApplicationSuite [Application Suite Tax Books Integration, Application Suite Tax Engine Int
- ☐ ApplicationSuiteFormAdaptor [Application Suite Form Adaptor]
- ☐ ApplicationWorkspaces [Application Workspaces]
- ☐ ApplicationWorkspacesFormAdaptor [ApplicationWorkspacesFormAdaptor]
- ☐ AppTroubleshooting [AppTroubleshooting]
- ☐ AppTroubleshootingCore [AppTroubleshootingCore]

Back
Next
Cancel

- Click **Next** and in the **Summary** screen, check the given options, and select **Finish**

Create model

Steps
Add parameters
Select package
Select referenced packages
Summary

Summary
Name: DynamicsDevTraining
Display Name: D365 F&O dev Training
Publisher: D365F&O developer
Layer: usr
Version: 1.0.0.0

Description: Dynamics 365 F&O development Training

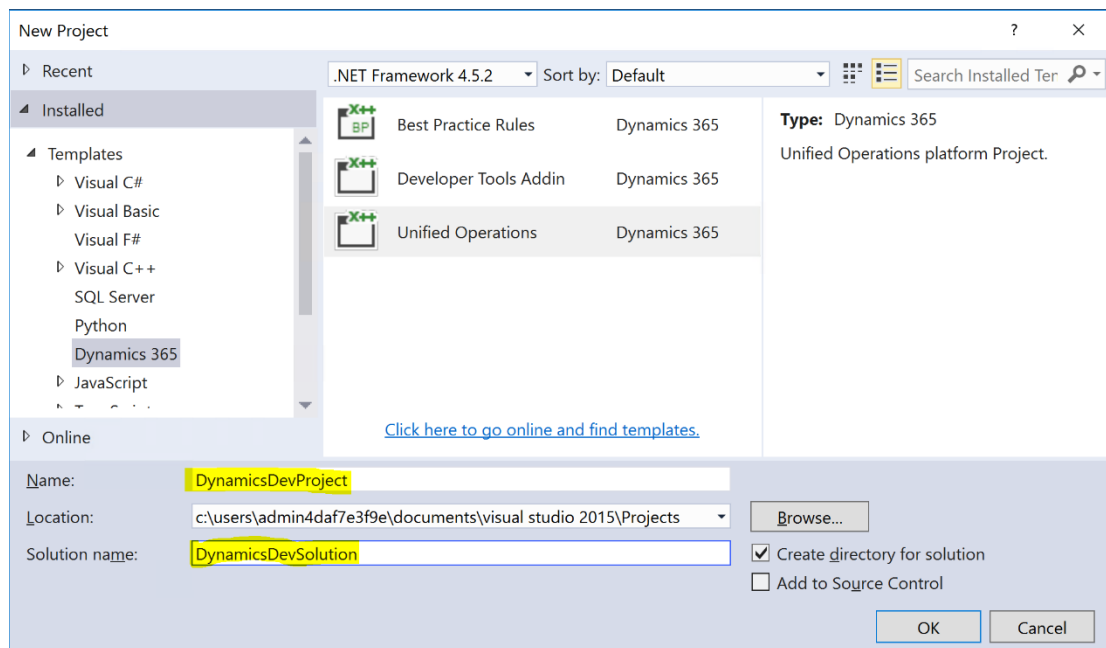
Referenced packages: ApplicationPlatform, ApplicationSuite

☒ Create new project
☒ Make this my default model for new projects

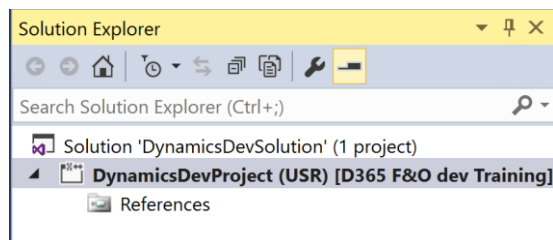
Back
Finish
Cancel

- New Project** pop-up will appear with **Dynamics 365 > Unified Operations** as the default template selected

7. Provide Project & Solution name as follows and select **OK** button



8. Your new project should appear in the Solution Explorer



9. Right click the project, select **Properties**, and set the value of *Company* to USMF. Select **Apply** and **OK**

Check Output

Please ensure you have created the model & project in this lab. Nothing else to check.