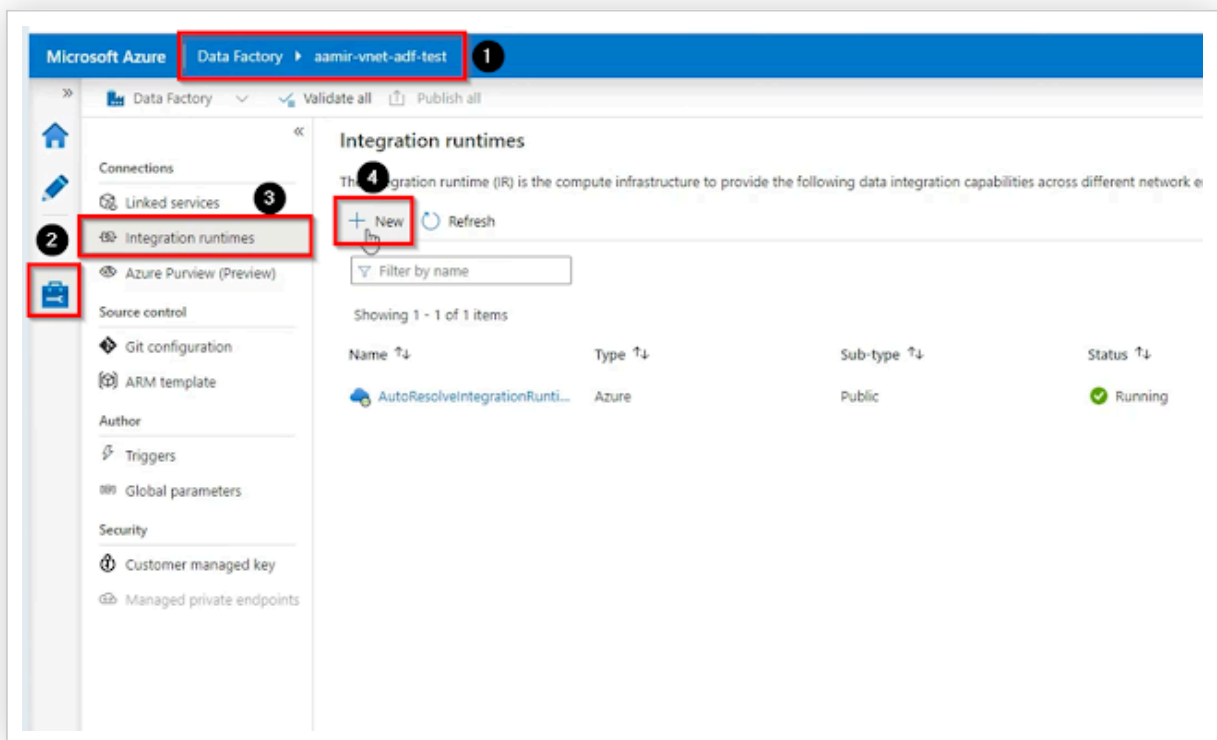


How to Create Azure SSIS IR in ADF with Managed SQL Instance - SSISDB In Managed SQL Instance

Issue: How to Create Azure SSIS IR in ADF with Managed SQL Instance - SSISDB In Managed SQL Instance.

In this article, we are going to learn how to create Azure SSIS Integration Runtime in Azure Data factory with managed SQL Instance SQL Server Integration Service Database Managed SQL Instance, let's start our demonstration.

First of all, Create a Data factory and then open your Azure Data factory studio, and then go to the manage tab, here we have to create our Integration Runtime, click on Integration runtimes, and then click on the + New button.



Then click on Azure SSIS then click on continue.

Integration runtime setup

Integration Runtime is the native compute used to execute or dispatch activities. Choose what integration runtime to create based on required capabilities. [Learn more](#)



Azure, Self-Hosted

Perform data flows, data movement and dispatch activities to external compute.



Azure-SSIS

Lift-and-shift existing SSIS packages to execute in Azure.

1

2

Continue

Cancel

Name your Integration runtime, then select your location, then choose the node size as per your requirement then select the Edition/License and then click on continue.

Integration runtime setup

General settings

Name * ⓘ 1

azuresisr

Description ⓘ

Type

Azure-SSIS

Location * ⓘ 2

East US

Node size * ⓘ 3

D2_v3 (2 Core(s), 8192 MB)

Node number * ⓘ

1

Edition/license * ⓘ 4

Standard

Save money

Save with a license you already own. Already have a SQL Server license? Yes No

By selecting "yes", I confirm I have a SQL Server license with Software Assurance to apply this Azure Hybrid Benefit for SQL Server.

Please be aware that the cost estimate for running your Azure-SSIS Integration Runtime is (1 * US\$ 0.680)/hour = US\$ 0.680/hour, see [here](#) for current prices.

5

Continue Back Cancel

Select your subscription, then select Catalog database server endpoint, then provide your username and password and then click on continue.

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Integration runtime setup

Deployment settings

☒ Create SSIS catalog (SSISDB) hosted by Azure SQL Database server/Managed Instance to store your projects/packages/environments/execution logs (See more info [here](#))

Subscription * ①
Azure subscription 1 (959da5f8-7cdc-4564-8b82-df7a37646d2b) 1

Location ①
East US

Catalog database server endpoint * ②
aamir-mi.6e9d0cc3f3c0.database.windows.net 2

☐ Use AAD authentication with the system managed identity for Data Factory ①
(See how to enable it [here](#))

Admin username * ③
ashahzad 3

Admin password * ③

☐ Use dual standby Azure-SSIS Integration Runtime pair with SSISDB failover ①
(See more info [here](#))

Since your Azure SQL Managed Instance is joined to a VNet, your Azure-SSIS Integration Runtime must join the same VNet, but in a different subnet in the next step.

☐ Create package stores to manage your packages that are deployed into file system/Azure Files/SQL Server database (MSDB) hosted by Azure SQL Managed Instance ①
(See more info [here](#))

4

Continue Back Cancel

Click on VNet validation and then click on continue.

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Integration runtime setup

Advanced settings

Maximum parallel executions per node * ⓘ
2

☐ Customize your Azure-SSIS Integration Runtime with additional system configurations/component installations ⓘ
(See more info [here](#))

☒ Select a VNet for your Azure-SSIS Integration Runtime to join, allow ADF to create certain network resources, and optionally bring your own static public IP addresses ⓘ
(See more info [here](#))

Subscription * ⓘ
Azure subscription 1 (959da5f8-7cdc-4564-8b82-df7a37646d2b)

Location * ⓘ
East US

Type * ⓘ
Azure Resource Manager Virtual Network

VNet name * ⓘ
aamir-vnet
[Create new](#)

Subnet name * ⓘ
aamir-adf

☐ Bring static public IP addresses for your Azure-SSIS Integration Runtime ⓘ
(See more info [here](#))

⚠ VNet setting warning:

- Please ensure that your Azure-SSIS Integration Runtime in the selected VNet/subnet can access SSISDB hosted by the selected Azure SQL Database server with VNet service endpoints/firewall rules/private endpoint.

☐ Set up Self-Hosted Integration Runtime as a proxy for your Azure-SSIS Integration Runtime ⓘ
(See more info [here](#))

Continue Back **VNet validation** Cancel **Subscribe**

Read the summary of your integration runtime and then click on create.

Discover more [⚡ SSIS](#) [⚡ SQL Server Integration Services](#) [⚡ SQL](#) [⚡ sql](#)

Integration runtime setup

Summary

Your Azure-SSIS Integration Runtime (IR) is created with the following settings:

Azure Data Factory Settings

- **Subscription:** 959da5f8-7cdc-4564-8b82-df7a37646d2b
- **Resource group:** rg-aamir
- **Name:** aamir-vnet-adf-test
- **Location:** eastus

General settings

- **Name:** azuressisir
- **Location:** East US
- **Node size:** Standard_D2_v3
- **Node number:** 1
- **Edition:** Standard
- **Azure Hybrid Benefit:** LicenseIncluded

Deployment settings

- **Catalog database server endpoint:** aamir-mi.6e9d0cc3f3c0.database.windows.net
- **Catalog database server location:** East US

Advanced settings

- **Maximum parallel executions per node:** 2
- **VNet name:** aamir-vnet
- **Subnet name:** aamir-adf

If you want to change any of the above settings, click **Previous** to do so.

Once your Azure-SSIS IR is running, you can execute your packages on it after [deploying](#) them into your file system/Azure Files/SSISDB hosted by **aamir-mi.6e9d0cc3f3c0.database.windows.net**.

Please be aware that the cost estimate for running your Azure-SSIS Integration Runtime is **(1 * US\$ 0.680)/hour = US\$ 0.680/hour**, see [here](#) for current prices.

To manage the running cost of your Azure-SSIS IR, you can [stop & restart](#) it whenever convenient or [schedule](#) it just in time.

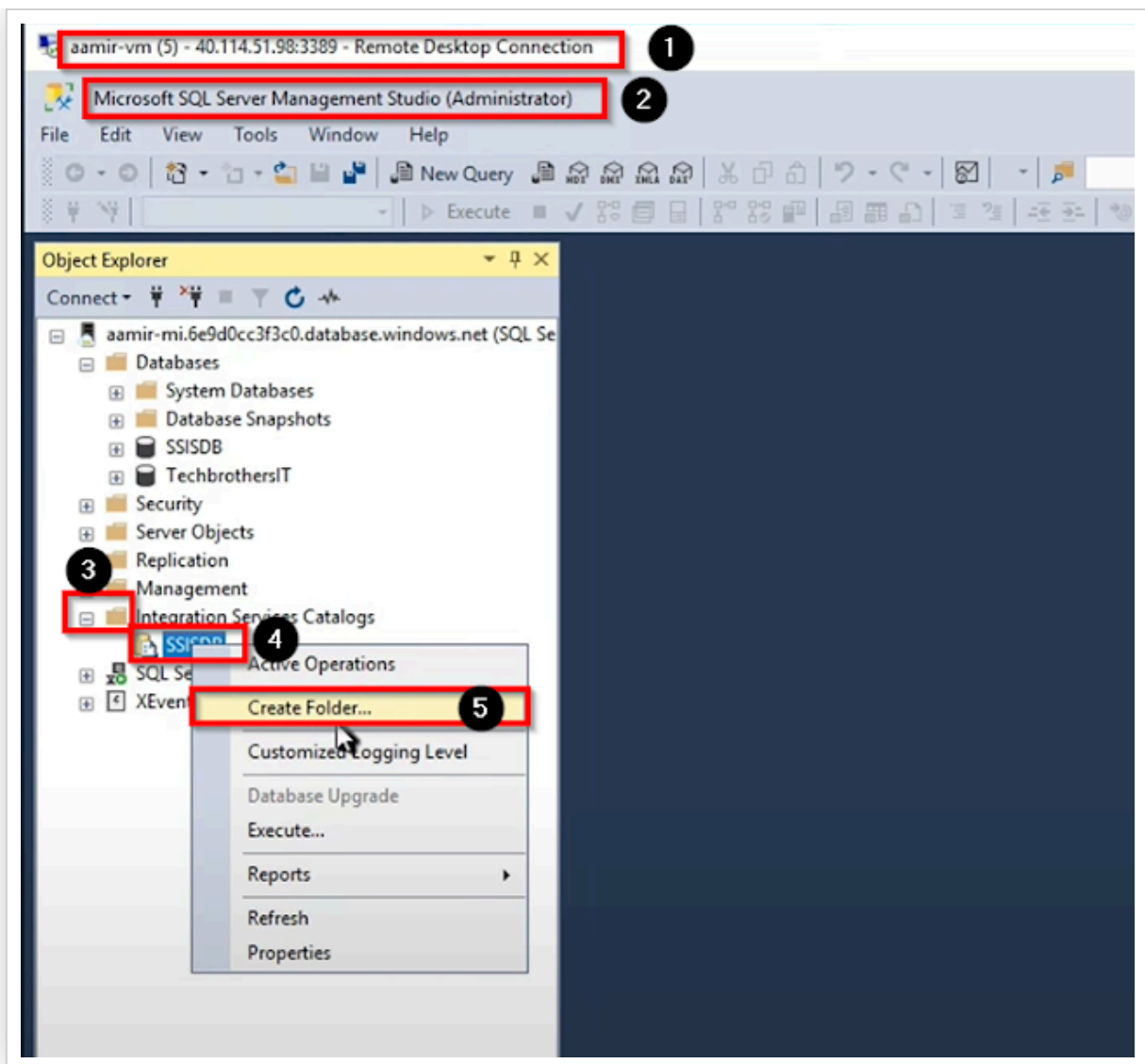
Create

Previous

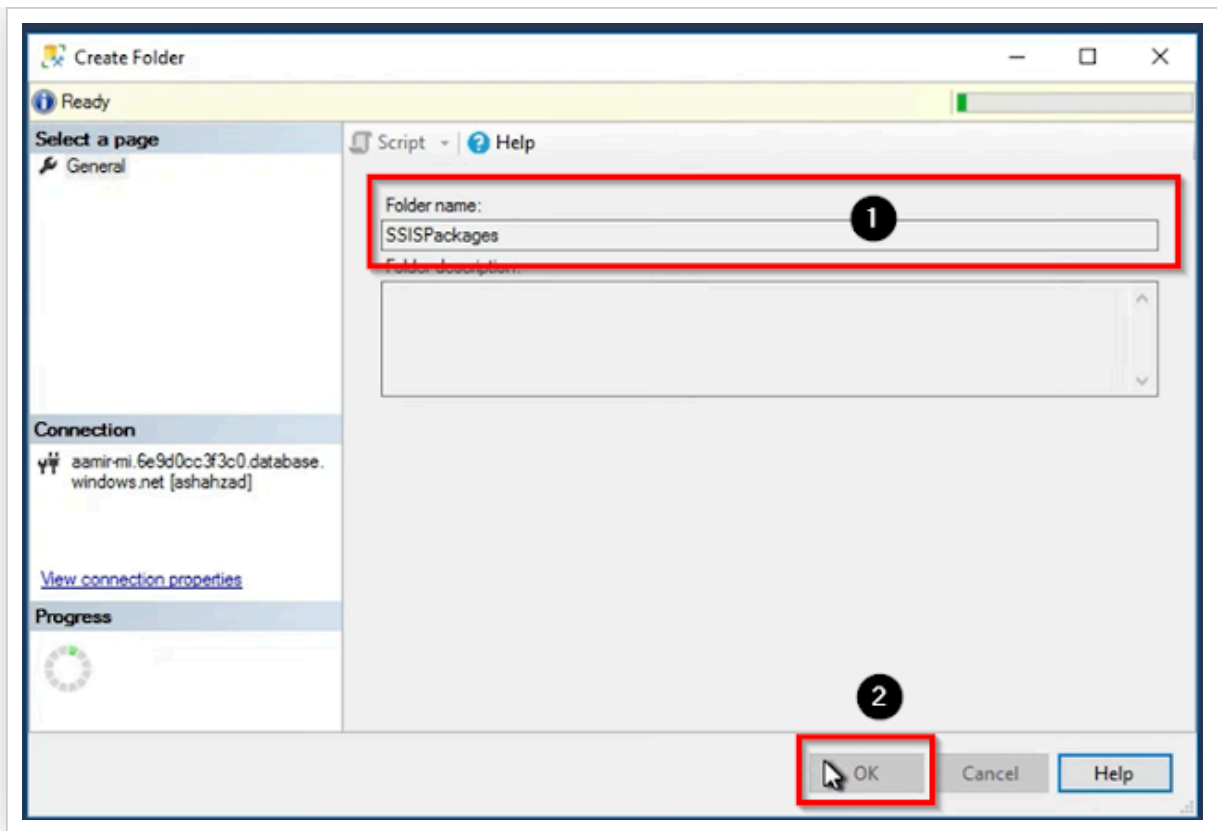
Cancel

Subscribe

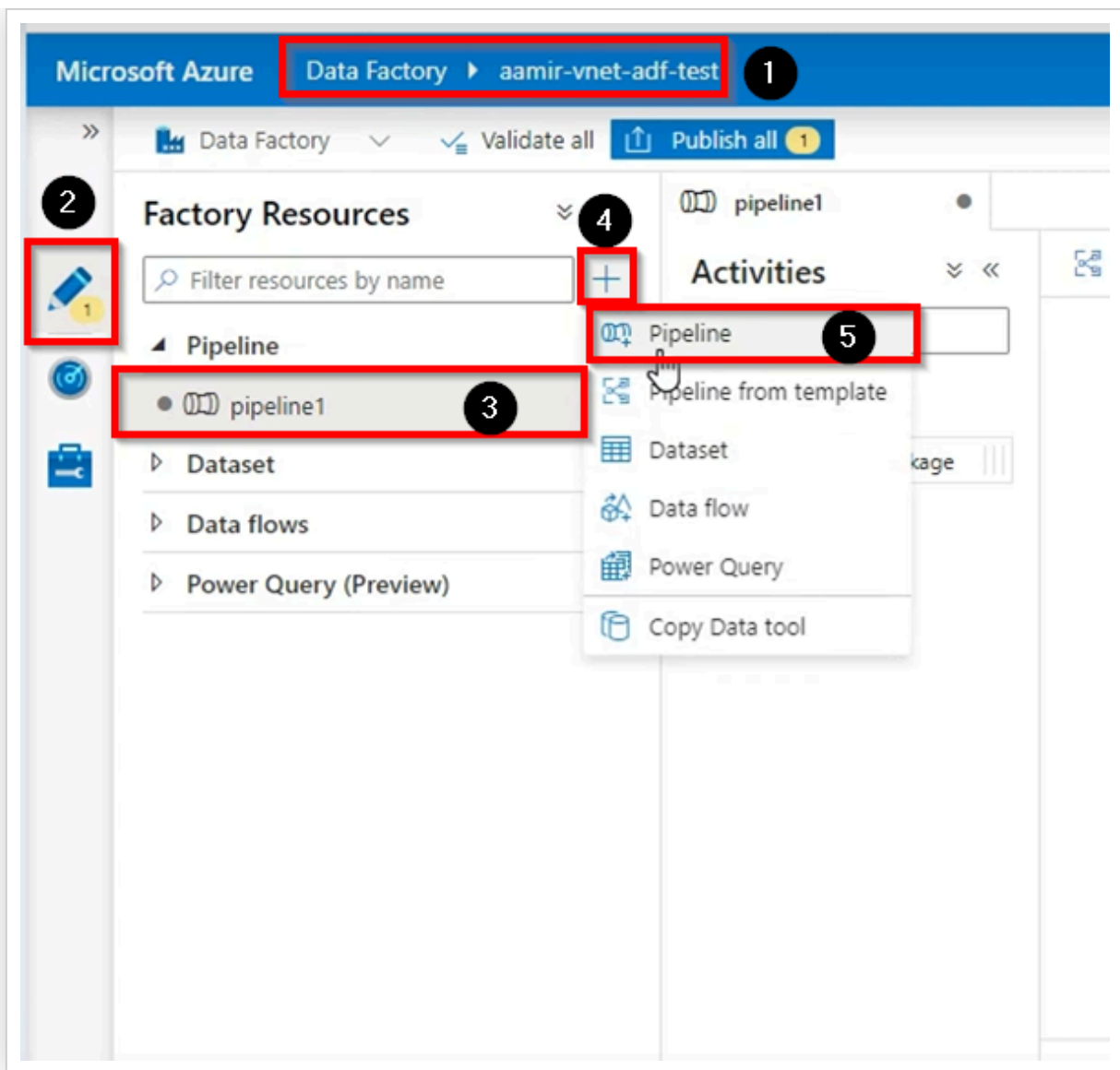
Now open your Remote machine, then open SQL Server Management Studio, then expand Integration services catalog then right-click on SSISDB and then click on Create Folder.



Then name the folder and click on ok.

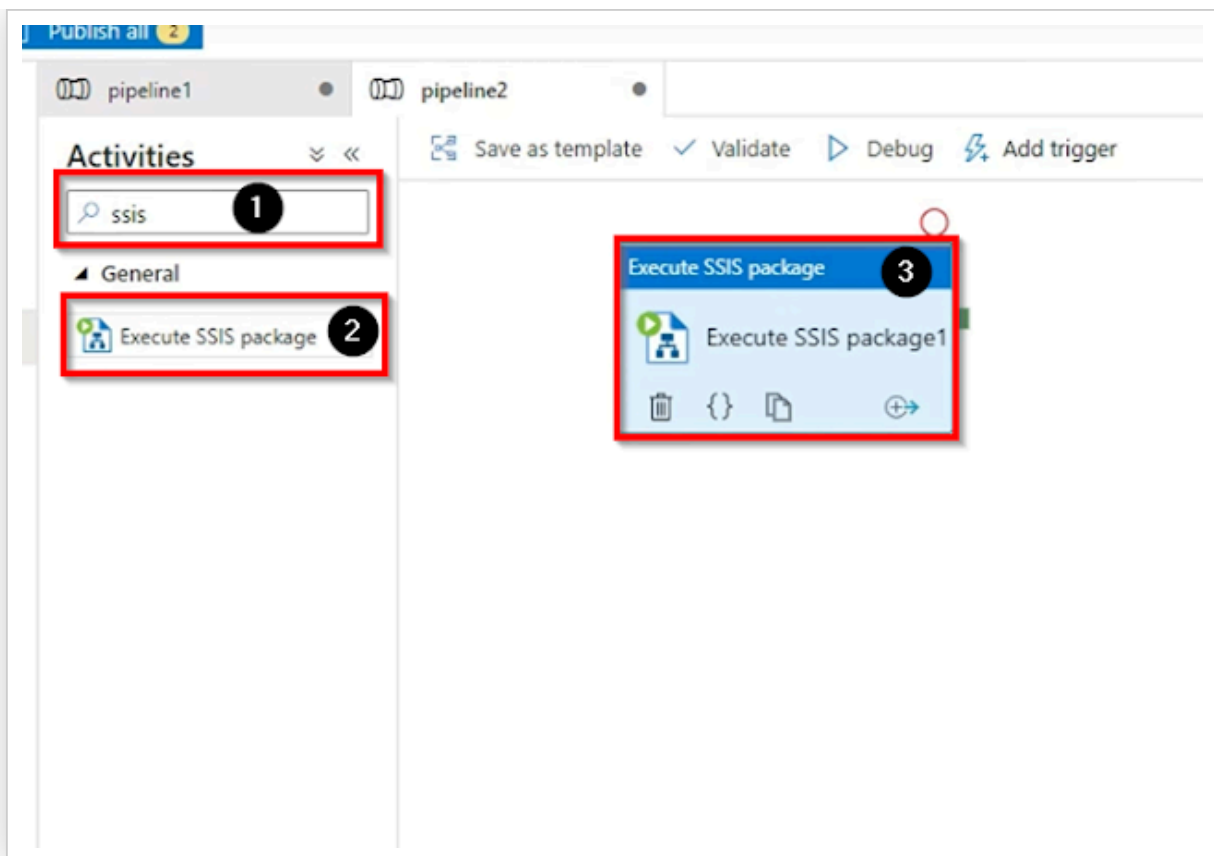


Next, go to the Azure data factory studio, and click on the author tab then go to the pipelines click on + button then click on the New piepline.



Find and drag the Execute SSIS package to the working window.

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Go to the settings then provide Azure SQL Server Integration Service IR name, then Select the package location, then select your folder, then click on refresh, and it will bring the projects inside your folder, select the project, then select package and execute the package.

