SSIS Hack – SSIS Migration

PROBLEM STATEMENT

Now the databases have been migrated to Azure, the Data Warehouse SSIS Packages also need to be migrated from on Premise to Azure SSIS Integration runtime.
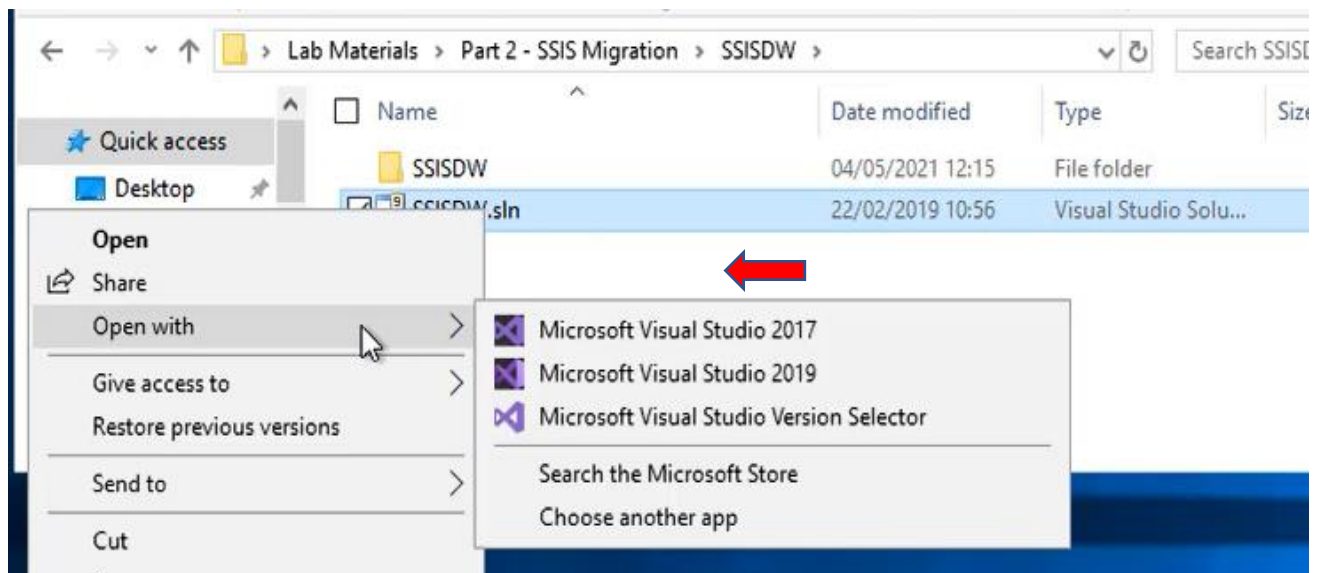
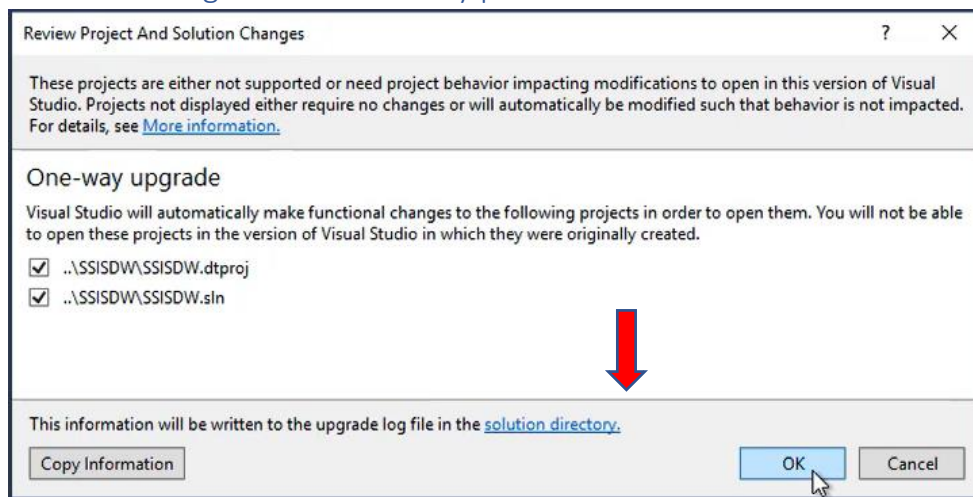## LAB INSTARUCTIONS
LAB Time 30 Mins

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1. *Upgrade Package using the Wizard*

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1. Open the SQL 2008 Package using Visual Studio 2017

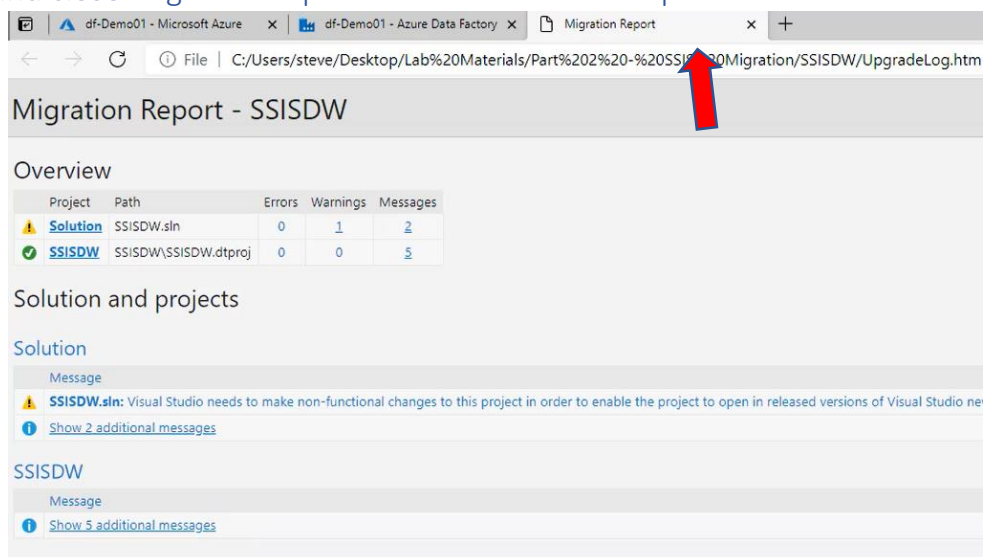   ▪ Open Lab Materials Folder
      ▪ Drill into **SSIS Migration** Folder
         • Drill into **SSISDW** folder
            ▪ Right click the SSISDW.sln solution file
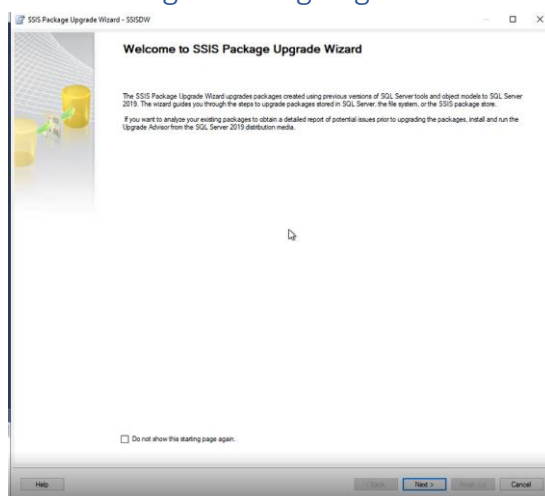   ▪ Open with Visual Studio 2017

Microsoft

2. **Click OK** - Acknowledge this is a one way process

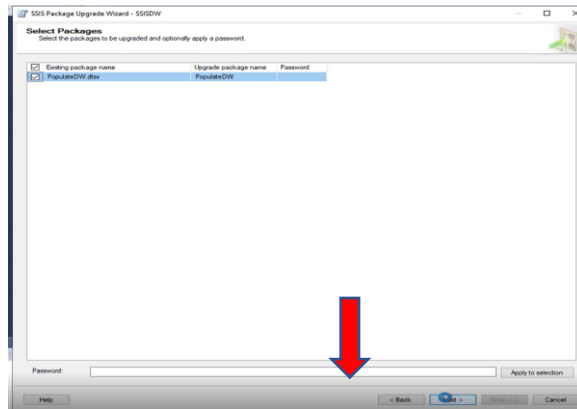3. **Read and close** Migration report – No other action required
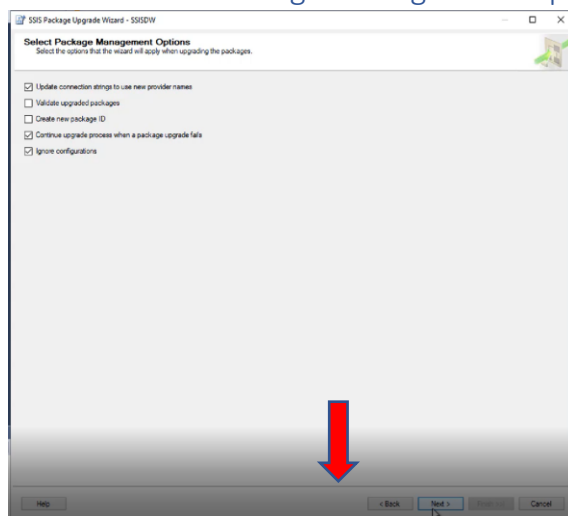

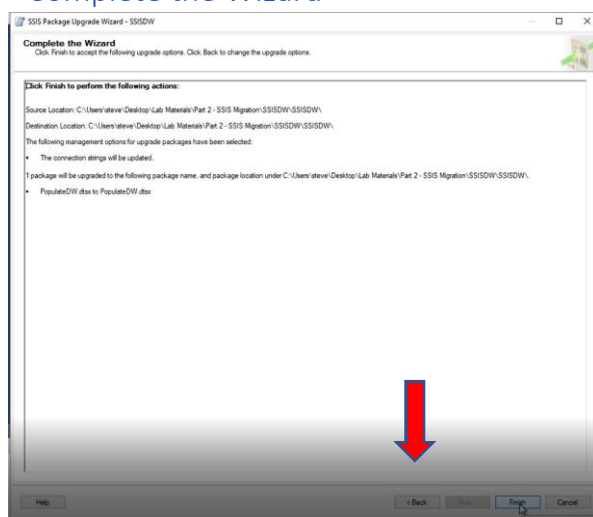4. **Next** – Acknowledge Starting Page

Microsoft

5. **Next** - Selects packages to upgrade

6. **Next** - Select default Package Management Options
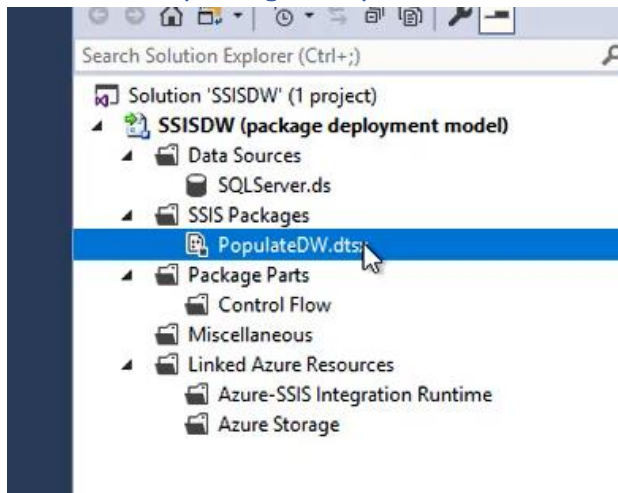

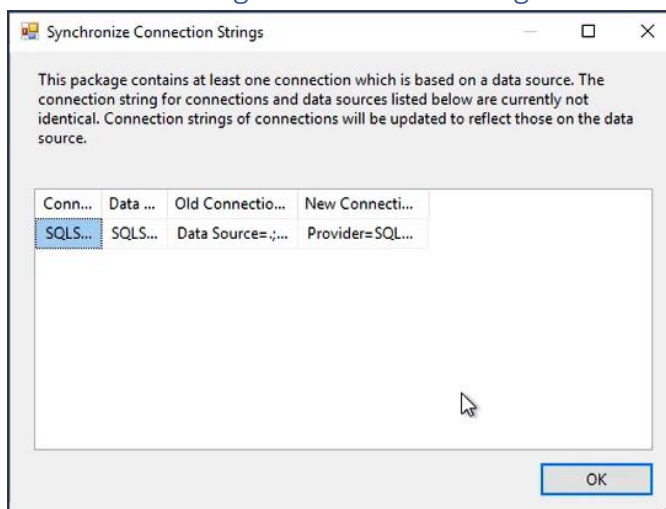7. **Finish** - Complete the Wizard

8. **CLOSE -** Close the Wizard

Microsoft

2. Convert to Project Deployment mode & update connection string

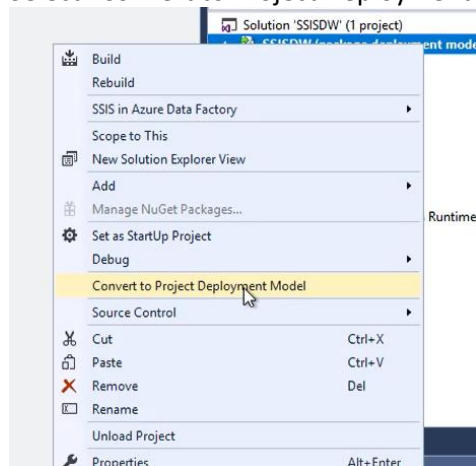1. Double click package to open it

2. OK – Acknowledge connections strings will be updates
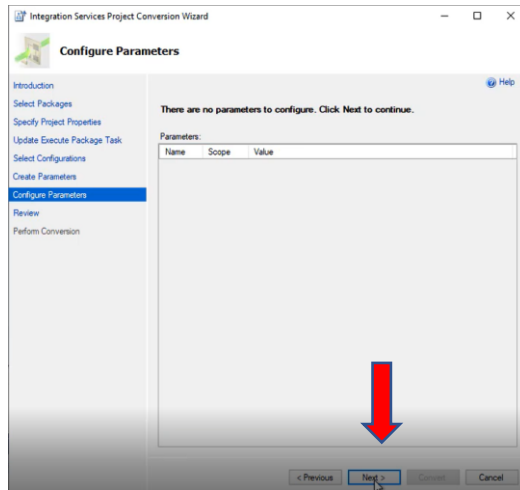

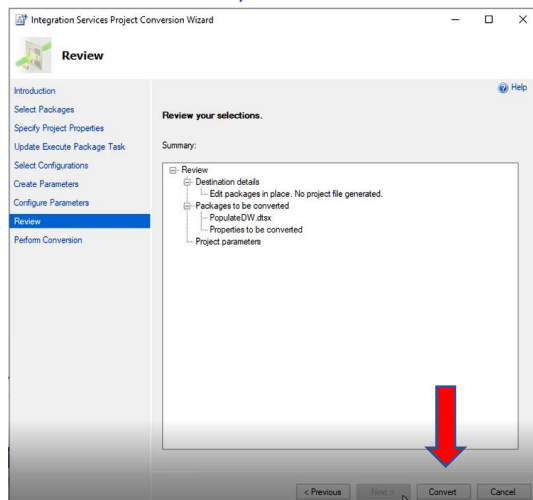3. Start wizard to convert package to Project Deployment Model
   - Right click SSISDE (package deployment model)
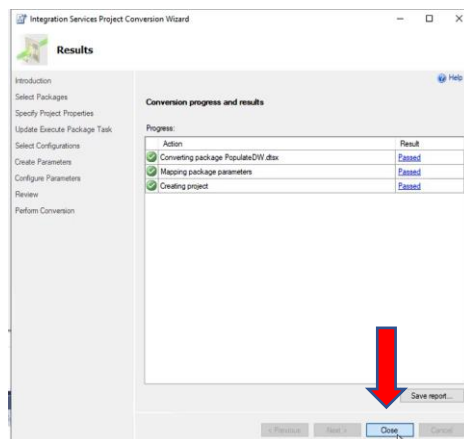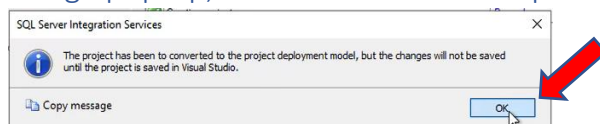   - Select "Convert to Project Deployment Model

Microsoft

4. **NEXT x 6 -** Accept all the defaults by clicking Next until you get to the review TAB
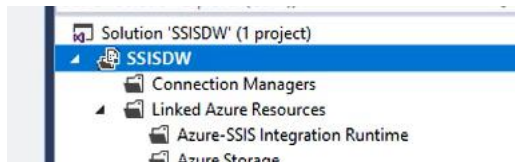

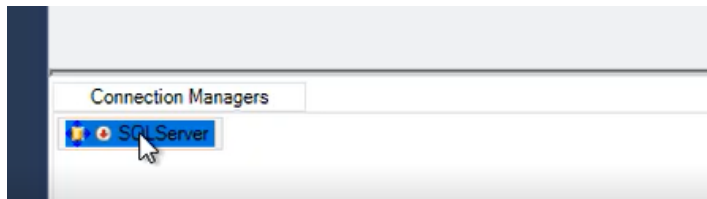5. **Convert** – This confirm you selections and starts the conversion

6. Acknowledge pop-up, close wizard and save package

Microsoft

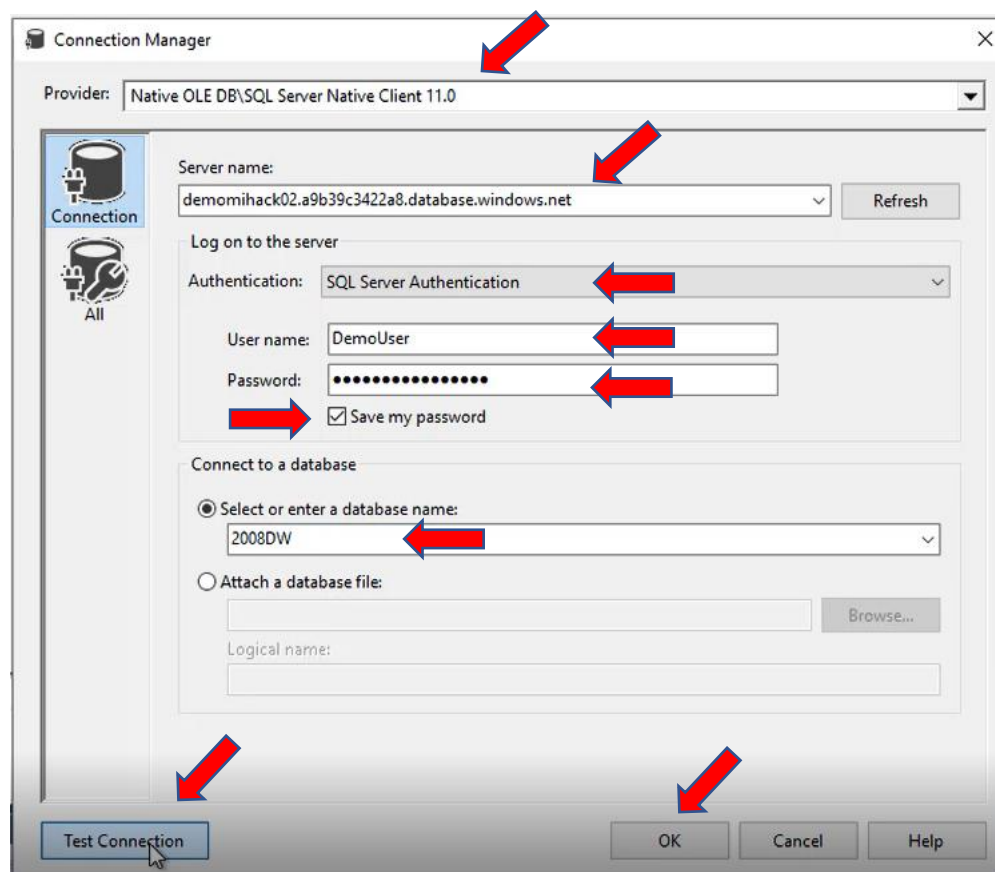7. Check Package name no longer says "Package Deployment Model"
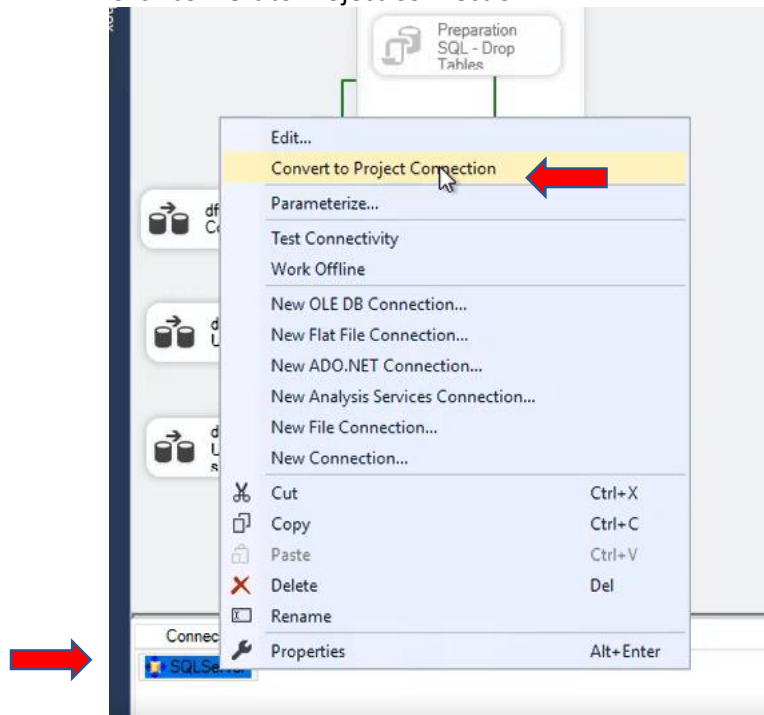

8. Double click Connection in Connection Managers

9. Update Connection Manager
   - Remember to update the following as per the diagram below
     - Test the connection
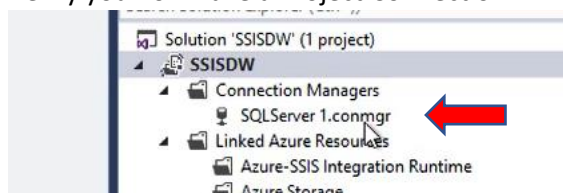   - Click OK to save

Microsoft

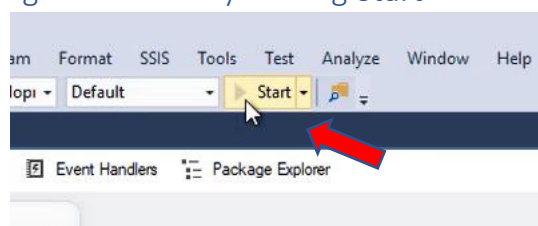## 10. Convert connection to project connection

- Right click Connection
    - Click convert to Project Connection
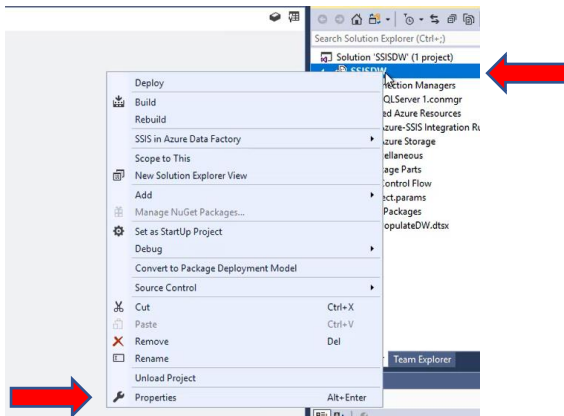

- Verify you now have a Project Connection

11. Give the package a test run by clicking **Start**
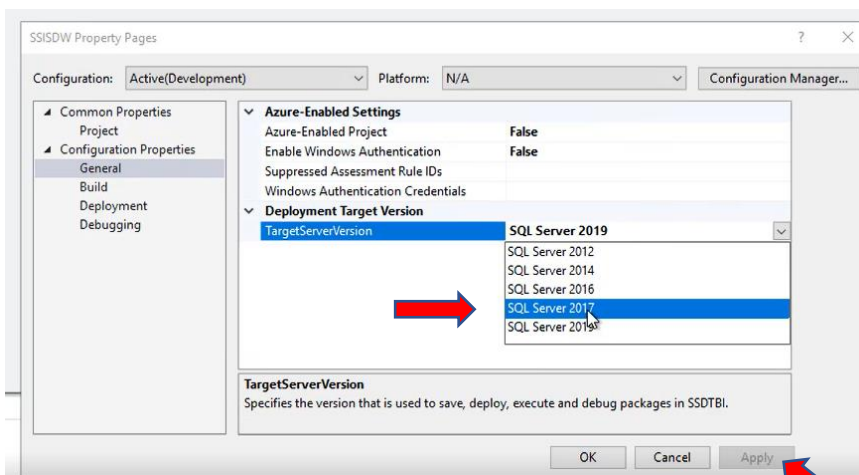
Microsoft

Deploy Package to the SSISDB on the Managed Instance

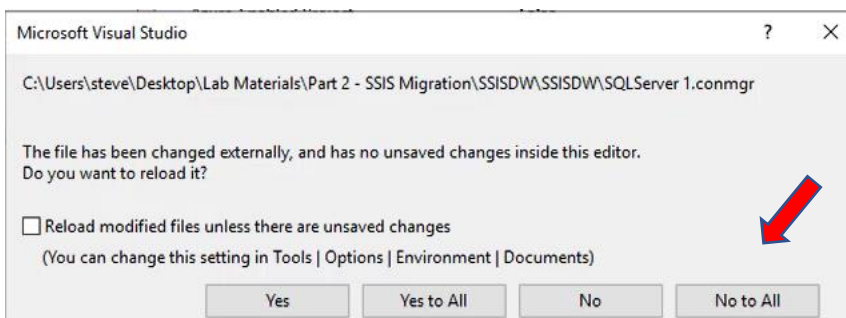1. Ensure Target Server Version = SQL Server 2017 (2019 is not supported by the SSIS-IR yet)
    - Right click Package and select properties

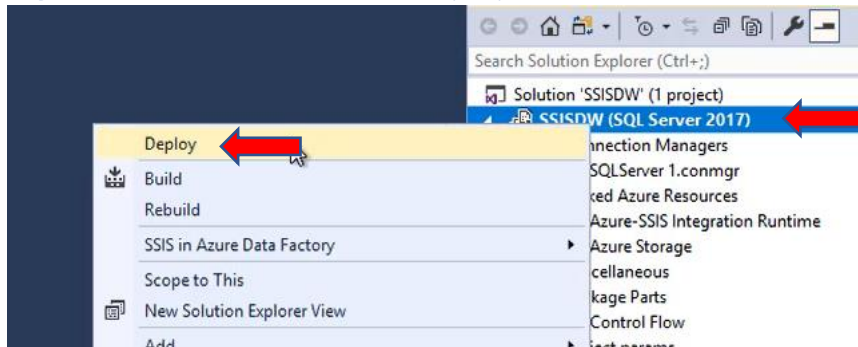   - Under "General" change "TargetServerVersion" to SQL Server 2017
    - Click Apply

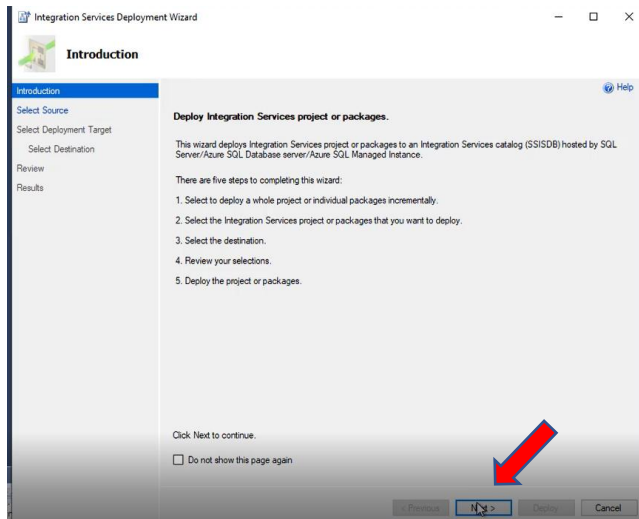   - If you get the "Do you want to reload" message, click **No to All**

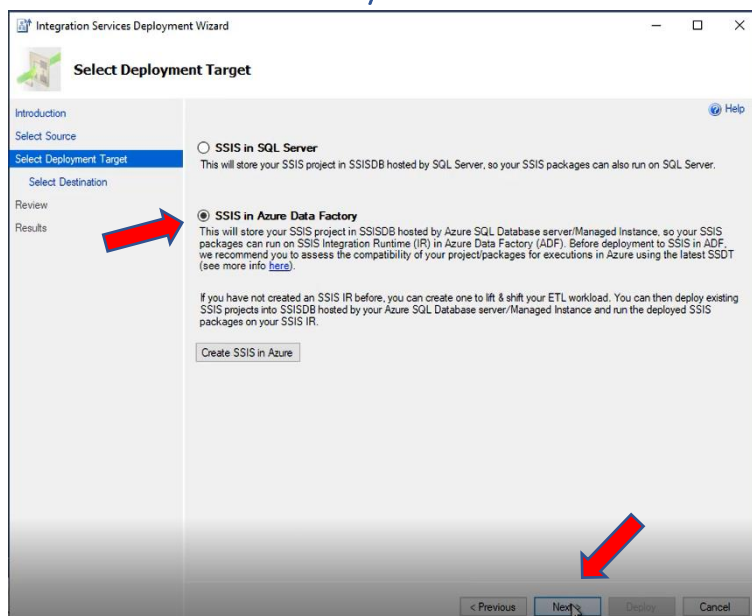   - Click **OK** to complete setting SQL Target Version

Microsoft

2. **Right Click** package an select **Deploy**

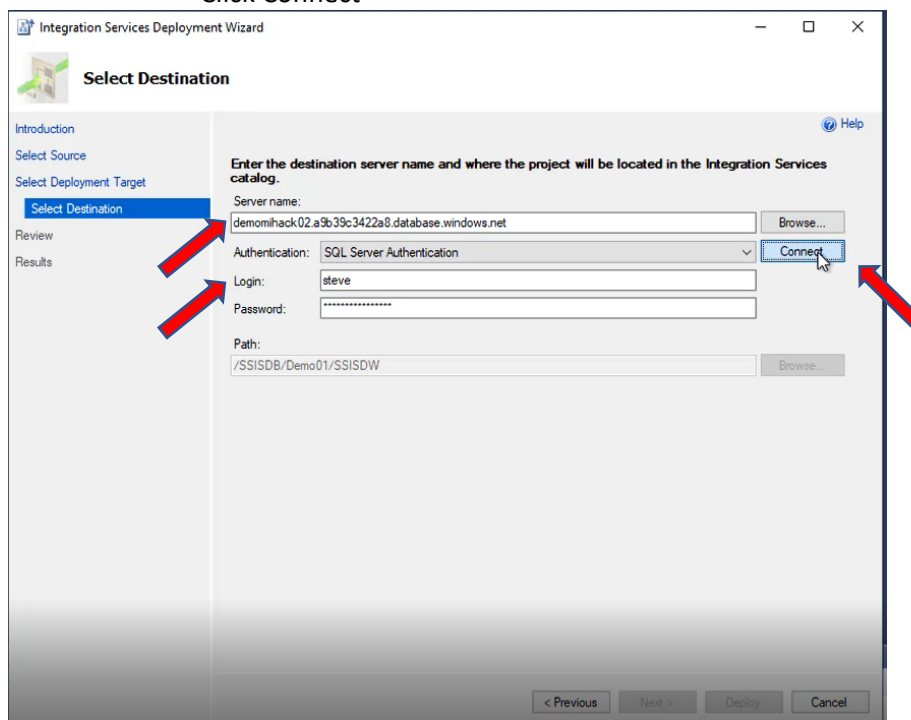3. **Next** – Acknowledge Intro TAB

4. Select **"SSIS in Azure Data Factory"** and click **Next**
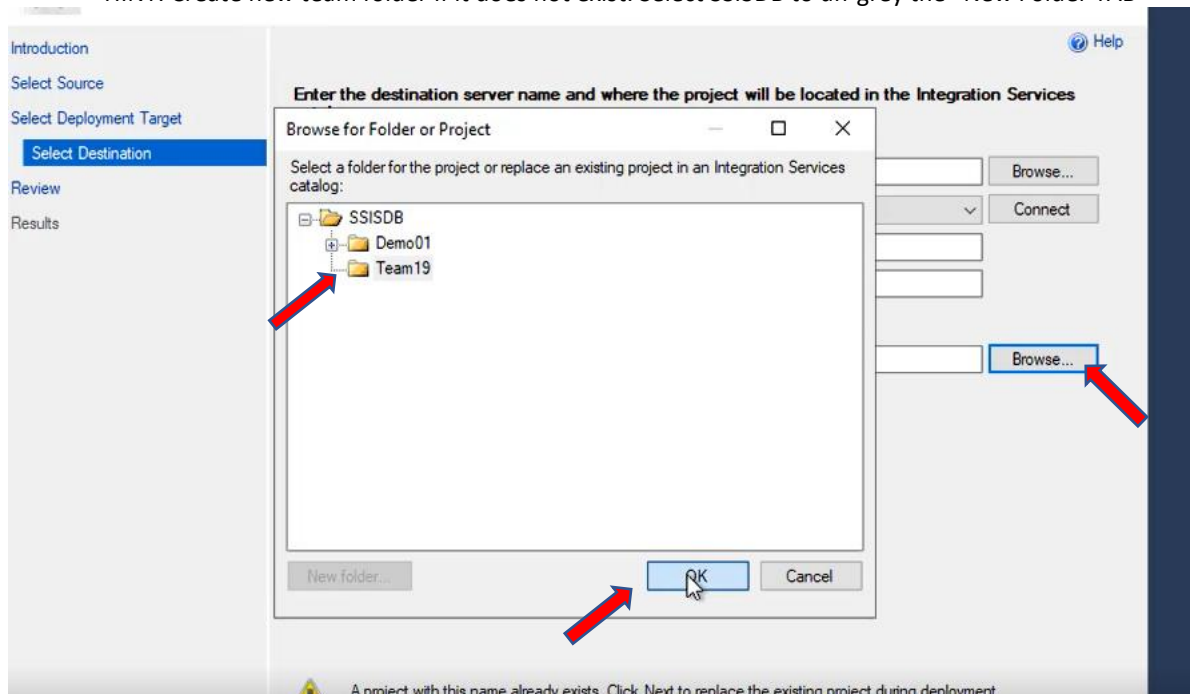
Microsoft

5. Fill in 'Select Destination' TAB
- Ensure correct Server Name
  - Use SQL Authentication and credentials supplied
    - Click Connect
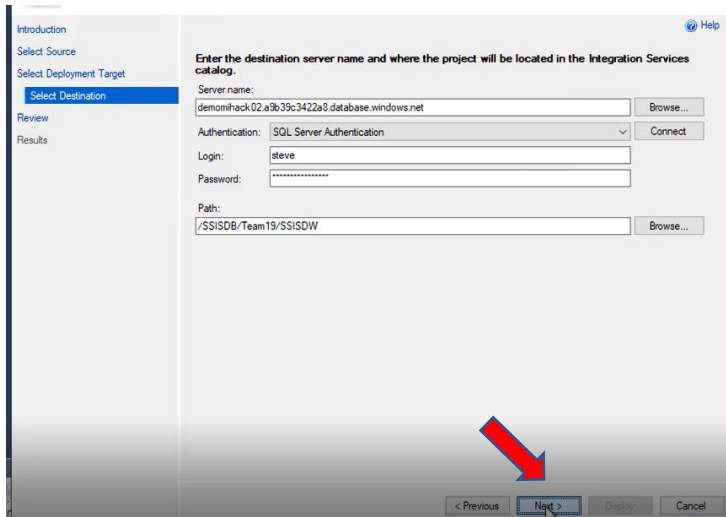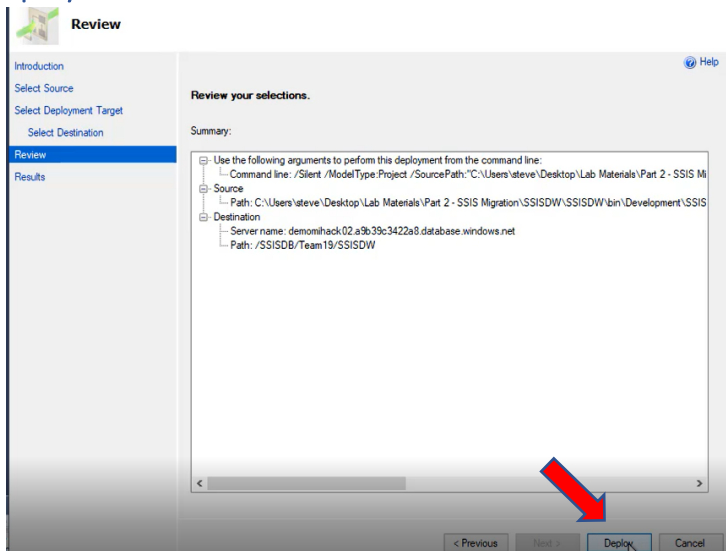

Set path to your team folder by selecting Browse
        HINT: Create new team folder if it does not exist. Select SSISDB to un-grey the "New Folder TAB"
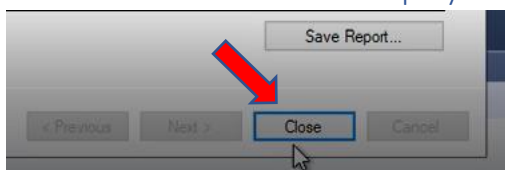
Microsoft

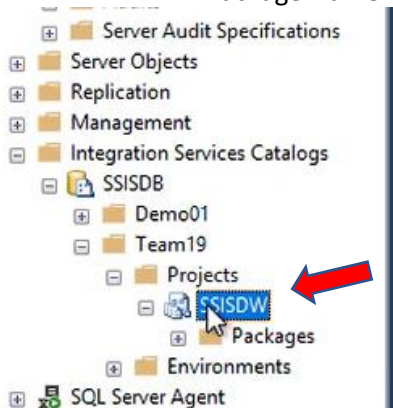6. Check details & click **Next** to continue

7. Click **Deploy** to continue

8. Click **Close** to confirm successful deployment

Microsoft

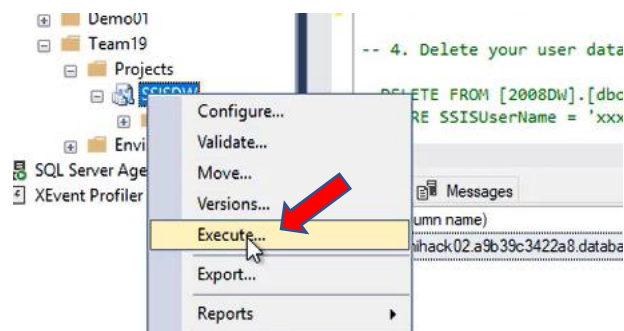## *Verify Deployment and test run package*

1. Log onto Managed Instance and find your package
   - Integration Services catalog
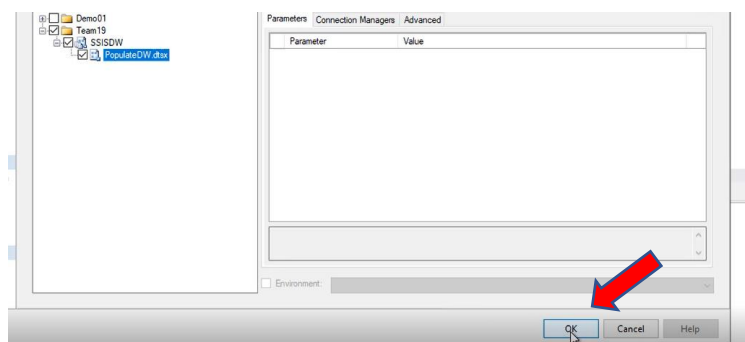   - Your Team folder
       - Projects
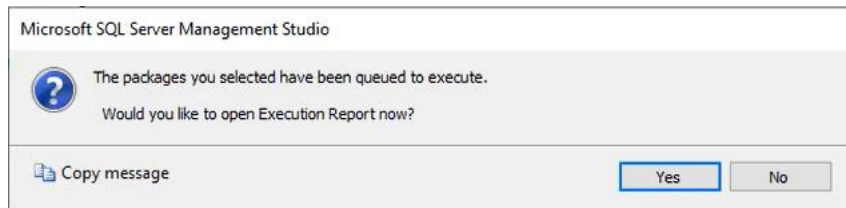   - Package Name

2. Execute Package from Catalog
   - Right click package and select execute

3. Click **OK** to execute

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SQL Modernisation Open Hack - SSIS

4. Yes – To view Execution Report

5. View and refresh report as required

*** Bonus Points : See if you have time, try and schedule the job using SQL Server Agent ***

Microsoft