# 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

## Open SQL Script with Management Studio C:\\_SQLHACK\_\LABS\02-SSIS\_Migration\SSISLabSQL.sql

|  |  |  |  |
| --- | --- | --- | --- |
| **Narrative** | **Screenshot** | | **Notes** |
| Open SQL Scrip |  | ***Tip****: Right Click SSISLabSQL,sql*   * *Open with SSMS* | |

## Open SSIS Package with Visual Studio 2017 C:\\_SQLHACK\_\LABS\02-SSIS\_Migration\SSISDW\SSISDW.sln

|  |  |  |
| --- | --- | --- |
| **Narrative** | **Screenshot** | **Notes** |
| Open SSIS Package using Visual Studio 2017 |  | ***Tip****: Right Click SSISDW.sln*   * *Open with Visual Studio 2017* |

## Using Visual Studio, check and validate connection string to Managed Instance of SSIS Package.

|  |  |  |  |
| --- | --- | --- | --- |
| **Narrative** | **Screenshot** | | **Notes** |
|  |  | | ***Tip:*** *Execute part 3 of SQL script to get name of Managed Instance* |
| 1. C C   Click OK if you get error messages |  | | We will be fixing the connection strings in the next step |
| Right Click connection called “(project)SQLServer” |  | |  |
| **Check the following**  1.Server Name = Full Managed Instance Name  2.Provider as per pic  3.Authentication as per pic with student Username and Password. ***Select save password***  4.Database name – 2008DW  5.Click “Test Connection”  6.Click OK | |  |  |

## Using Visual Studio, build the solution

|  |  |  |
| --- | --- | --- |
| **Narrative** | **Screenshot** | **Notes** |
| 1.Right Click Project  2.Click Build |  | *You must build a solution before you are allowed to deploy it* |

## Using Visual Studio, deploy the solution to your folder under SSISDB

|  |  |  |
| --- | --- | --- |
| **Narrative** | **Screenshot** | **Notes** |
| 1.Right Click Project  2.Click Deploy |  |  |
| Fill in as per diag..  **1. Server Name** = Full Managed Instance Name  2.SQL Authentication + Username + Password  3.Click connect  4.Click Browse  5.Select ***correct*** team folder  6.Click OK |  | You will not see the project folder list until you authenticate.  If the team folder does not exist…click New folder and createit |
| Click Next |  |  |
| 1.Check team name is correct  2.Click Deploy |  | Deployment might take a couple of minutes |

## Use SSMS to set up SQL Job to schedule SSISPackage and execute it under your teams credentials

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Narrative** | **Screenshot** | | **Notes** | | | |
| Right click Jobs  Click New Jobs |  | | *Jobs are under SQL Server Agent* | | | |
| Name = Test\_’team name’  Ie: Test\_Team1 |  | |  | | | |
| 1.Click Steps  2.Click New  3.Step Name = “RunPackage”  4.Server = Full MI Name  5.Click browse button  6.Select package ***from correct team*** folder  7.OK  8.OK | |  | | | |  |
| 1.Double click the job you have just created  2.Select Steps  3.Click Edit  4.Select “Connection Manager”  5.Update UserName and Password to your  6.OK  7.OK |  | | | | *This allows the package to execute under the team username* | |
| Click OK to create job |  | | | *After this step the job will be create* | | |

## Use SSMS to manually Run Job

|  |  |  |
| --- | --- | --- |
| **Narrative** | **Screenshot** | **Notes** |
| 1.Right click the job you have just created  2.Click “Start Job at Step…” |  |  |

## Use SSMS to check data in Managed Instance

|  |  |  |
| --- | --- | --- |
| **Narrative** | **Screenshot** | **Notes** |
| 1.Run this script-- |  | This will give a list of all the username and the student can cut and paste it into the WHERE clause below |
| Update section 3 of script to is the students Team Name. |  | SELECT \* FROM ….  WHERE SSISUsername = ‘Team12’ |
| Highlight and execute section 3 of the script |  | Student should see their data  There is a TimeStamp of when the row was created. |