

# Frequently Asked Questions

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## General

**Q:** How can I find the stored procedure for a package assigned to me? For example, package name is 'CoverysEDW\_Staging\_Process\_Aux\_AddKeysToUnkeyedData\_PPIC'

**Answer:** The prefix 'CoverysEDW\_Staging' indicates that this is a Staging job package. Download the package 'CoverysEDW\_Staging\_Process\_Aux\_AddKeysToUnkeyedData\_PPIC' in Team Web Access portal under 'HOME - Source - Data Warehouse - Main -SSIS\_Staging'. Open the file in Visual Studio, and select each task in the Work component and note the stored procedure for each.

## Snowflake

### Access Related

**Q:** I lost access to view all the tables in the database.

**Answer:** Contact the Snowflake admin, this could be an issue with the 'GRANT SELECT, INSERT, UPDATE, DELETE, TRUNCATE ON ALL TABLES' permission commands.

**Q:** I am not able to create temporary tables.

**Answer:** Contact the Snowflake admin, this could be an issue with the 'GRANT CREATE TABLE' permission commands.

**Q:** I am getting the error "SQL access control error: Insufficient privileges to operate on schema 'PPIC\_CLAIMS\_HELPER'"

**Answer:** Contact the Snowflake admin, this could be an issue with the 'GRANT USAGE ON SCHEMA'

permission commands.

**Q:**I'm a Developer, so what should my Snowflake role be in the Development environment?


**Answer:**DEV\_DEVELOPER\_ROLE

**Q:**I'm in the QA team, so what should my Snowflake Role be in the QA Environment?

**Answer:**QA\_TESTING\_ROLE

## SnowSQL

**Q:**What's the SnowSQL equivalent for STUFF( ) in SQL Server?

**Answer:** Use INSERT ( ) function in SnowSQL. Read more here <https://docs.snowflake.net/manuals/sql-reference/functions/insert.html> 

**Q:**How are XML columns handled in Snowflake?

**Answer:** There are currently 2 types of XML columns based on function - XML columns that are in use, XML columns that are not in use. For the latter, they are currently brought to SQL Server Staging database as XML datatype. In Snowflake, these columns will be brought in as VARIANT datatype. For the XML columns that are in use, in the current SQL server set up, these are flattened out as views. In Snowflake, we will be using the SQL statement used in the View to bring the flattened table with additional columns into DEV\_STAGING. These additional columns will be present in the staging tables.

**Q:** Is SnowSQL is Case Sensitive?

**Answer:** No, for the most part. It's case sensitive if you're encapsulating objects in Quotes

**Q:** In snowSQL, what is the equivalent of aliasing a column like this: "PremPart" =PREMIUMPART\_PK?

**Answer:** You can use the 'AS' keyword

For example:

```
SELECT PREMIUMPART_PK as "PremPart" from DEV_STAGING.ASW_Shred.dbo_PremiumPart;
```


**Q:** Does SnowSQL have an equivalent to the PIVOT Function ?

**Answer:** Yes, there is a SnowSQL equivalent for PIVOT function. And it works like SQL server.

```
SELECT ...
```

```
FROM ...
```

```
PIVOT ( <aggregate_function> ( <pivot_column> ) FOR <value_column> IN ( <pivot_value_1> [ , <pivot_value_2> ... ] ) )
```

Here's some documentation if you're interested to know more - <https://docs.snowflake.net/manuals/sql-reference/constructs/pivot.html> 

**Q:** My column names used in the PIVOT function have spaces, and therefore I need to encapsulate them in double quotes in my outer SELECT statement in Talend. It's throwing an error, what could be wrong?

**Answer:** Talend's query editor encapsulates the entire query in doublequotes, and therefore using these double quotes for column names causes Delimiter collisions. Therefore, you need to put the escape character " for each double quote used within the query.

```
SELECT PolicyKey , CoverageKey , InsuredObjectKey , LinkLevelName , \"'Actual Commission'\" AS
ACTUAL COMMISSION , \"'Affiliation # 1'\" AS AFFILIATION 1 , \"'Affiliation # 2'\" AS AFFILIATION_2
, \"'Affiliation # 3'\" AS AFFILIATION 3 , \"'Base Commission'\" AS BASE COMMISSION ,
\"'CededPercentage'\" AS CEDED PERCENTAGE , \"'ClaimsMadeYear'\" AS CLAIMSMADEYEAR , \"'Class
Code'\" AS CLASS CODE , \"'Deductible Aggregate Profile'\" AS DEDUCTIBLE AGGREGATE PROFILE ,
\"'Deductible Profile'\" AS DEDUCTIBLE PROFILE , \"'Experience Rated'\" AS EXPERIENCE RATED ,
\"'Exposure Type'\" AS EXPOSURE TYPE , \"'Expiring Producer'\" AS EXPIRING PRODUCER , \"'FTCA
Credit before Erosion'\" AS FTCA CREDIT BEFORE EROSION , \"'GEX Exposure'\" AS GEX EXPOSURE ,
\"'IndividualGroup'\" AS INDIVIDUALGROUP , \"'Insured Type'\" AS INSURED TYPE , \"'IsPrimaryRisk'\"
AS ISPRIMARYRISK , \"'Issued User'\" AS ISSUED USER , \"'Lab Exposures'\" AS LAB EXPOSURES ,
\"'Limit Aggregate Profile'\" AS LIMIT AGGREGATE PROFILE , \"'Limit Profile'\" AS LIMIT PROFILE ,
\"'Loss Free Credit Years'\" AS LOSS FREE CREDIT YEARS , \"'MMMRP Ceded'\" AS MMMRP CEDED ,
\"'MMMRP Policy Number'\" AS MMMRP POLICY NUMBER , \"'Minimum Premium'\" AS MINIMUM PREMIUM ,
\"'New Producer'\" AS NEW PRODUCER , \"'PCL Premium Waived'\" AS PCL PREMIUM WAIVED ,
\"'RiskPartyKey'\" AS RISKPARTYKEY , \"'Provider Type'\" AS PROVIDER TYPE , \"'RE/PAIndicator'\" AS
RE PAINDICATOR , \"'Rate State'\" AS RATE STATE , \"'Retro Active Date'\" AS RETRO ACTIVE DATE ,
\"'Risk Deletion Date'\" AS RISK DELETION DATE , \"'Risk Function'\" AS RISK FUNCTION , \"'Risk
Type'\" AS RISK TYPE , \"'Risk Waived Premium Indicator'\" AS RISK WAIVED PREMIUM INDICATOR ,
\"'RiskKey'\" AS RISKKEY , \"'RiskNumber'\" AS RISKNUMBER , \"'Tail Effective Date'\" AS
TAIL EFFECTIVE DATE , \"'Tail Term'\" AS TAIL TERM , \"'Territory'\" AS TERRITORY , \"'Transaction
Effective Date'\" AS TRANSACTION EFFECTIVE DATE , \"'UnderwriterID'\" AS UNDERWRITERID ,
\"'Underwriting Company'\" AS UNDERWRITING COMPANY , \"'Underwriting Team'\" AS UNDERWRITING_TEAM
FROM ( SELECT PolicyKey , CoverageKey , InsuredObjectKey , LinkLevelName , RiskFactorName ,
RiskFactorValue FROM MHAIC.POLICY RISKFACTORS ) p PIVOT(Max(RiskFactorValue) FOR Riskfactorname IN
( 'Actual Commission' , 'Affiliation # 1' , 'Affiliation # 2' , 'Affiliation # 3' , 'Base
Commission' , 'CededPercentage' , 'ClaimsMadeYear' , 'Class Code' , 'Deductible Aggregate Profile'
, 'Deductible Profile' , 'Experience Rated' , 'Exposure Type' , 'Expiring Producer' , 'FTCA Credit
before Erosion' , 'GEX Exposure' , 'IndividualGroup' , 'Insured Type' , 'IsPrimaryRisk' , 'Issued
User' , 'Lab Exposures' , 'Limit Aggregate Profile' , 'Limit Profile' , 'Loss Free Credit Years' ,
'MMMRP Ceded' , 'MMMRP Policy Number' , 'Minimum Premium' , 'New Producer' , 'PCL Premium Waived' ,
'RiskPartyKey' , 'Provider Type' , 'RE/PAIndicator' , 'Rate State' , 'Retro Active Date' , 'Risk
Deletion Date' , 'Risk Function' , 'Risk Type' , 'Risk Waived Premium Indicator' , 'RiskKey' ,
'RiskNumber' , 'Tail Effective Date' , 'Tail Term' , 'Territory' , 'Transaction Effective Date' ,
'UnderwriterID' , 'Underwriting Company' , 'Underwriting Team' )) AS pvt LIMIT 10
```

## Azure Blob Storage

**Q:** How will we be using the BLOB storage for source data in text files?

**Answer:** Azure Blob Storage is used to store all the flat files (IS4East, IS4West). There are SSIS packages that will fetch the files from RedShare/Celtics, and store them in the corresponding Blob. Currently, there are two environments/containers for storing these files - Prod and Dev. Talend Jobs will fetch the files from Azure Blob and upload them to Snowflake Staging.

**Q:** How can I view the flat files in Azure Storage container?

**Answer:** You need to download Azure Storage Explorer, and add a connection to the container using the SAS token.

**Q:** I'm receiving a NULL Result in a Non-nullable column error.

**A:** Potential cause: Check the schema of your flat file input component, and ensure that StagingExecutionID and ExtractionExecutionIDs are present. They should be present when you link the tFileInputDelimited component to tSnowflakeOutput component, because Talend prompts you to synchronize the schema between these two components.

**Q:** I'm receiving an error that says "cannot cast String value as Integer" error in tFileInputDelimited component.

**A:** Check the Type for StagingExecutionID and ExtractionExecutionID in Contexts tab, and the tFileInputDelimited component. A mismatch between the two can result in such an error.

**Q:** I'm receiving an error "java.lang.RuntimeException: Unparseable date: "03/30/2001""

**A:** Potential cause: There could be date formats in the data that does not conform to the Type set for the date column in schema. Check tInputFileDelimited component's schema to ensure the date format matches the actual date format in the data.

**Q:** Do I always have to specify a value in tAzureStorageList component's Blob prefix field?

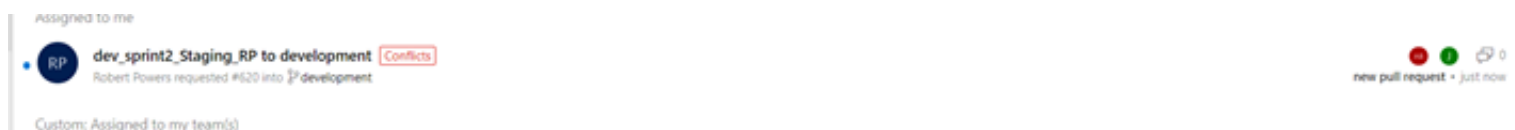
**A:** No, if you specify NULL without quotes, it will list all the blobs within the specified container.

**Q:** I'm receiving an error that says "C:\Users\Archana Balachandran\Desktop\Coverys\IS4LegacyFiles\EDWStaging\East\_Geography.Address.txt (The system cannot find the path specified)" for the tAzureStorageGet component.

**A:** Check tAzureStorageGet component to ensure that 'create parent directories' is checked. If it's not, Talend assumes you already have the blob's virtual hierarchy maintained in your local system, and does not create them.

## Azure Repos/Git

**Q:** I am unable to complete a Pull Request in DevOps. There is a 'Conflicts' label on my Pull Request in DevOps that is not allowing me to complete the Merge into development branch.



**Answer:** This is happening because the Development branch you are merging into contains updates that your local branch does not have, and therefore you need to perform a 'Pull and merge branch' in Talend (refer Step 4 above). You cannot complete this Pull Request until all the conflicts are resolved locally in Talend and pushed to Git again.

**Q:** I keep getting conflicts when I create a pull request. What are some of the steps I can do to minimize this?

**Answer:** Keep your branch frequently updated using 'Pull and Merge Branch' with Development branch. Coordinate with an approver when you're about to create a pull request, so that they can let you know when you should do a Pull and Merge to update your branch prior to creating a Pull Request.

**Q:** How can I resolve conflicts in Talend?

**Answer:** In a collaborative environment where multiple users work on the same project simultaneously, you may encounter conflicts when pushing, updating or merging branches. In this case, you will see a dialog box asking you whether to resolve the conflicts. To resolve the conflicts, click OK in the dialog box to open the Git Merge perspective. Conflicts Navigator panel on the left displays the project items on which conflicts have been found, right-click a conflicted item and select from the context menu.

## SQL Server

**Q:** Cannot connect to <SQL Server name>. What should I do?

**Answer:** Contact Brent/John Higgins.

**Q:** I'm a Talend Developer. What account should I be using to connect to SQL Server?

**Answer:** TalendUser

## Talend

**Q:** I'm getting an error in Talend that says 'cannot insert null in a non-nullable column'. What could be wrong?

**Answer:** Check your SELECT query in Talend Component tab, and ensure that the count and order of columns selected matches the count and order of columns in your Target schema. This error could potentially be caused by selecting fewer columns in the SELECT query.

**Q:** I'm a Talend Developer. What account should I be using to connect to Talend?

**Answer:** [edw\\_dev\\_us@coverys.com](mailto:edw_dev_us@coverys.com) (unless you have been asked to switch by the Dev team)

**Q:** I'm getting errors when I duplicate a job. How can I prevent this?

**Answer:** The best way to create a job is to use the Template jobs only as a blueprint, and by creating jobs from scratch.

**Q:** I'm not able to find my Project in the Talend Startup window.

**Answer:** Check 'Connection' to ensure that the credentials are correct, and update if required and try to refresh the Projects tab.

**Q:** I'm trying to build Talend jobs to move the Flat files from Azure Storage to Snowflake Staging tables. The files I am working with have a timestamp suffix in the filename, such as 'DIM\_AccountRep\_20181101.txt'. How do I wildcard the date portion of the file name in the AzureStorage talend component? The file is in EDWStaging/ folder within the Azure Storage container.

**Answer:** In the component tab for the Azure Storage component in Talend, edit the Blob Prefix as 'EDWStaging/DIM\_AccountRep\_'