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**Database Archival Project**

**Deployment**

**Documentation**

**Prepared By**

**KogniVera IT Solutions Private Limited.**

Contents

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# Steps to follow

**Step 1:**

* Create a Directories in the D drive on source server as below path:

D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts

and copy all the files from Delivery\_6th\_jan\Source server package\_scripts shown in Fig 1.1.

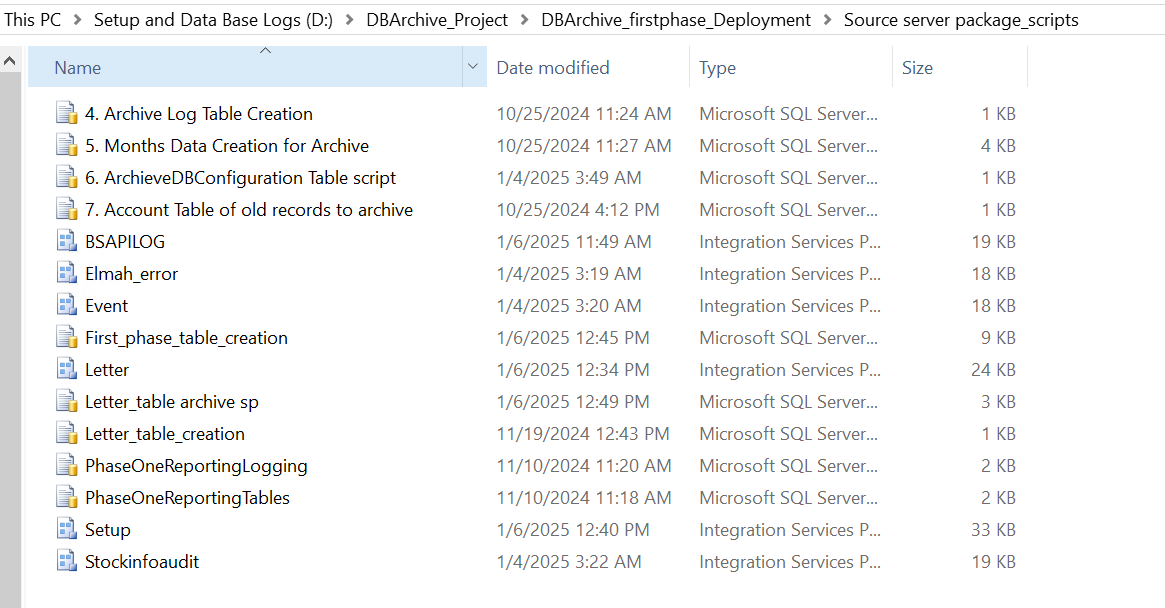


Fig 1.1

After Creating Folder in D drive name as: DBArchive\_Project -Copy all the files as in above Fig 1.1  


**Step 2:**

* Create a Directories in the D drive on destination server as below path:

D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts

and copy all the files from Delivery\_6th\_jan\Destination server packages\_scripts shown in Fig 2.1.

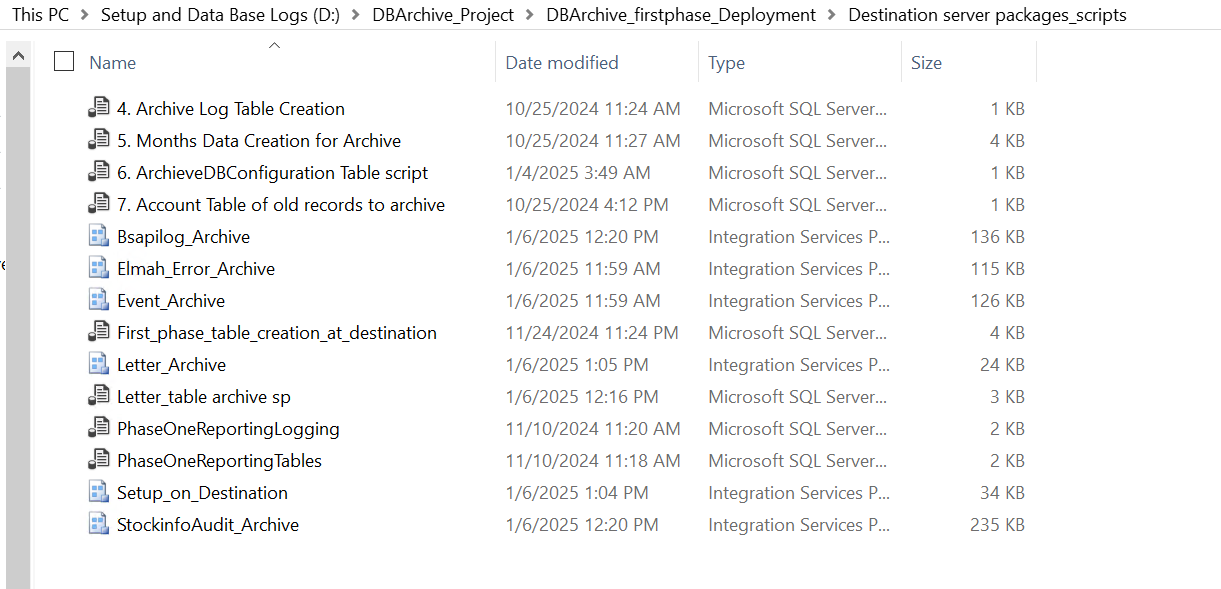


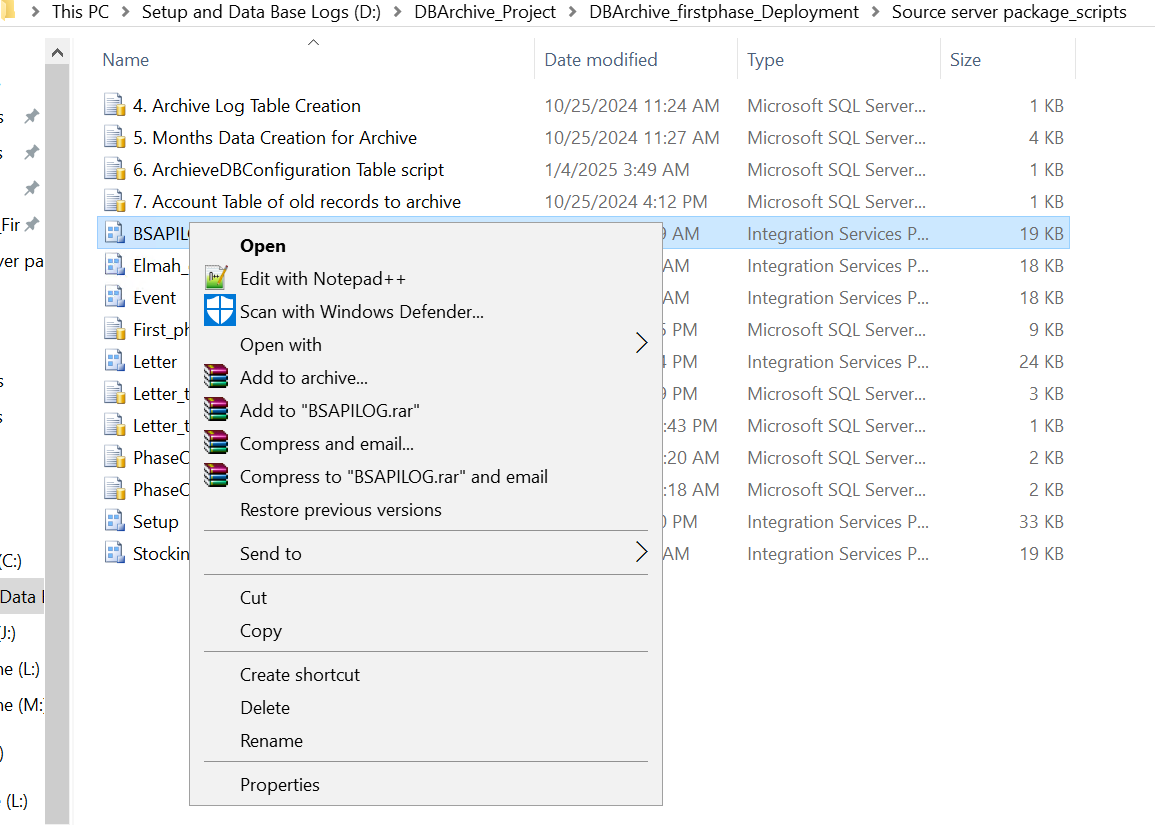
Fig 2.1

After Creating Folder in D drive name as: DBArchive\_Project -Copy all the files as in above Fig 2.1  


**Step 3:**

Right-click on each of the files copied in Step 1 and step 2 on both locations (BSAPILOG.dtsx, Bsapilog\_Archive.dtsx, Elmah\_error.dtsx, Elmah\_Error\_Archive.dtsx, Event.dtsx, Event\_Archive.dtsx, Letter.dtsx, Setup.dtsx, Stockinfoaudit.dtsx, StockinfoAudit\_Archive.dtsx, Letter\_archive.dtsx) and click on edit with notepad++ and make required changes as mentioned in below steps.

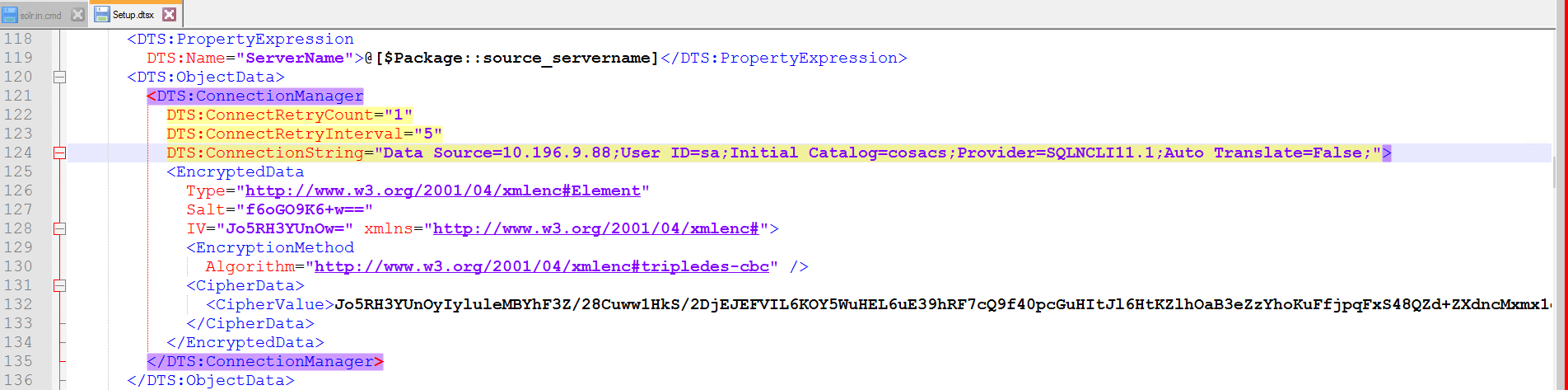
* + 1. Enter the Unicomer SQL Server – [ IP, ID, Password and Database name].
    2. Example in below **Fig 3.1**

****

**Fig 3.1**

* **For Setup (Using Notepad++)**
* **Update Connection String of Source Database in source server with below Details:**

**Data Source:** The database server IP whose database going to be archived. **ID:** The Username available on server who have read write access. **Initial Catalog:** The database name which is going to be archived.



**Fig 3.2**

* Find ParameterValue and replace SQL server IP, SQL Password and SQL Database name with UNICOMER SQL server IP, SQL Password and SQL Database name.

-Update Parameter Value for source and destination:  
1. Give Source server database name whose database is going to be archived.

2. Give source\_password parameter value as Source database password.  
3. Give source\_servername parameter value as Source server IP address.



**Fig 3.3**

* **Update Connection String of Destination Database in Destination server with below Details:**

**Data Source:** The database server IP where database going to be archived. **ID:** The Username available on server who have read write access on new DB.  **Initial Catalog:** The new database name where database is going to be archived.  
  
  
  


**Fig 3.4**

* Find ParameterValue and replace SQL server IP, SQL Password and SQL Database name with UNICOMER SQL server IP, SQL Password and SQL Database name.

-Update Parameter Value for Destination:  
1. Give Destination server database name where database is going to be archived.

2.Give dest\_password parameter value as destination database password.  
3. Give dest\_servername parameter value as destination server IP address.

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**Fig 3.5**

* **Update Other packages of phase one same as above mentioned steps:** -BSAPILOG.dtsx

-Bsapilog\_Archive.dtsx

-Elmah\_error.dtsx

-Elmah\_Error\_Archive.dtsx

-Event.dtsx

-Event\_Archive.dtsx

- Letter.dtsx

- Setup.dtsx

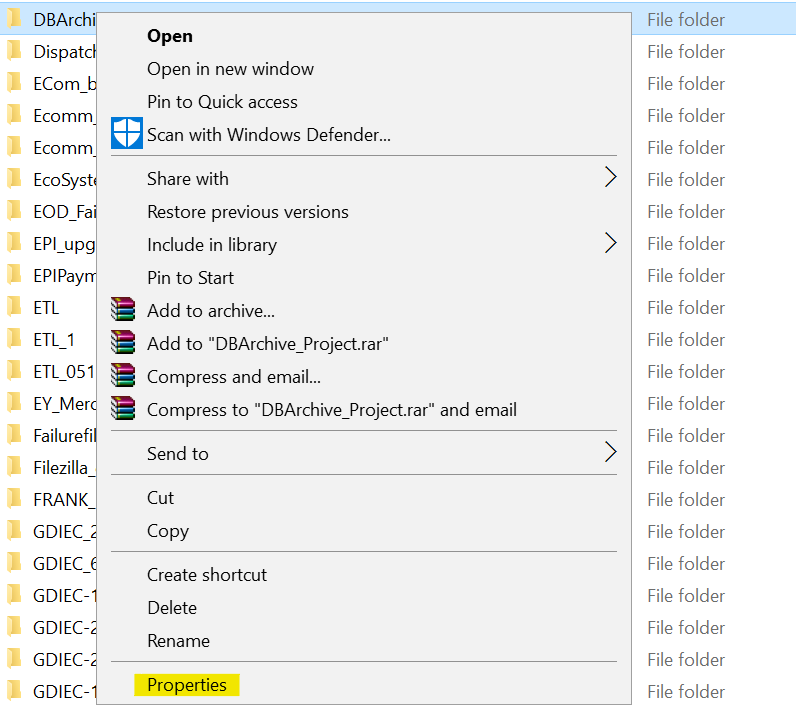
- Stockinfoaudit.dtsx

- StockinfoAudit\_Archive.dtsx

-Letter\_archive.dtsx

**Step 4:**

* **Right click on D drive folder DBArchive\_Project on both servers.**
* **The user must have full read and write privileges on the folders mentioned above to ensure proper access and functionality.**
* Right click on folder DBArchive\_Project click on properties menu.



**Fig 4.1**

* Click on Security option and inside security menu click on edit.

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**Fig 4.2**

* Click onAdd option:

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**Fig 4.3**

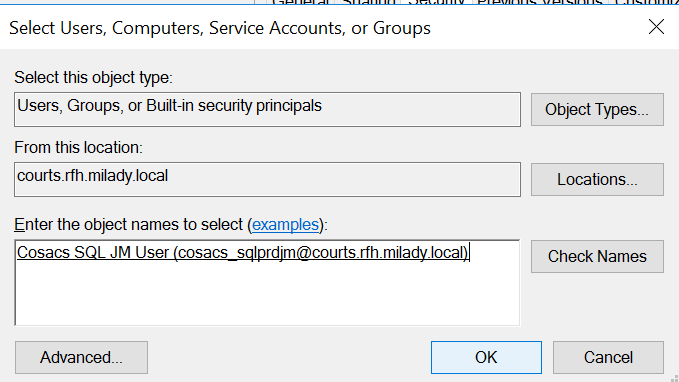
* Add User **COURTS\cosacs\_sqlprdjm** (This user is the one with whom the SQL Job is going to be executed).  
  **Note**: This username can be different on different Servers so make sure you are selecting the correct user with whom you are going to execute the task.

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**Fig 4.4**

* Then click on Check Names if the user exists click on ok.



**Fig 4.5**

* Give all permissions to newly added users. Click on Ok.

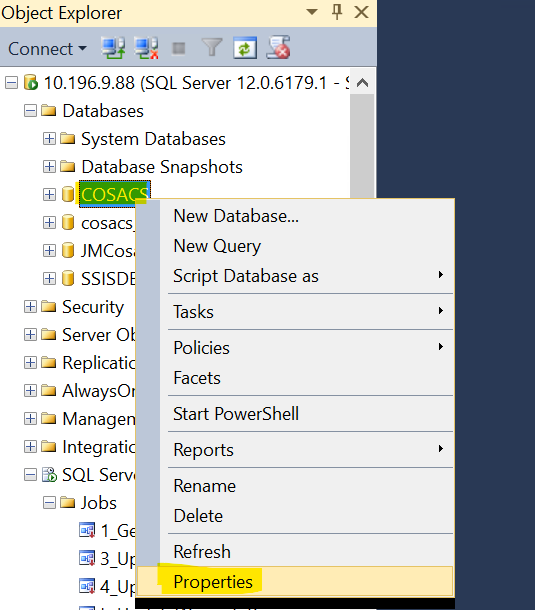
***A screenshot of a computer

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**Fig 4.6**

**Step 5:**

* Go to Source SSMS (SQL server Management Studio)
* Right click on the database and select properties menu.

******

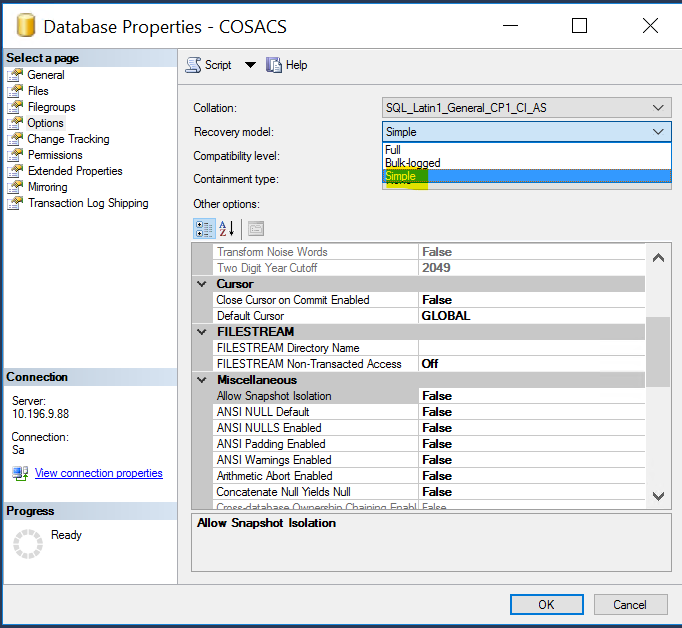
**Fig 5.1**

* Click on options menu

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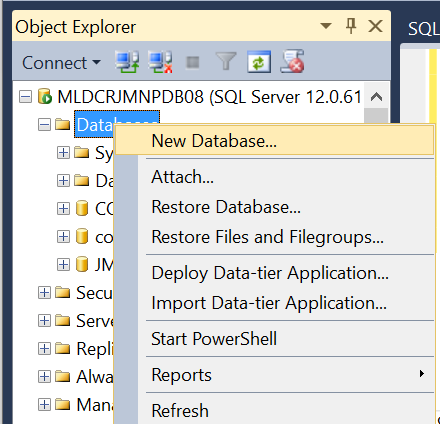
**Fig 5.2**

* Change Recovery model as simple from dropdown. and then click on ok.  
  ******

**Fig 5.3**

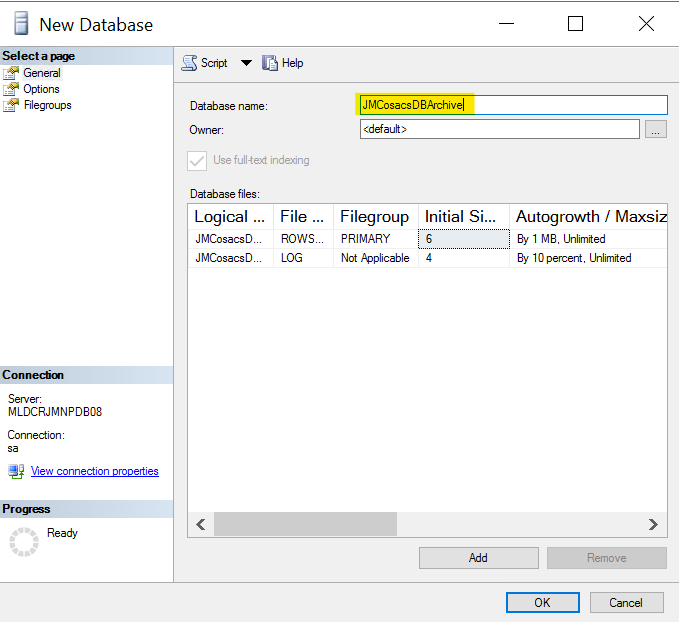
**Step 6: Creating new database (Destination database) on new server (Destination Server)**

* Right click on Database then click on new Database.



**Fig 6.1**

* Give appropriate name. EX. JMCosacsDBArchive as mentioned below in Fig 6.2



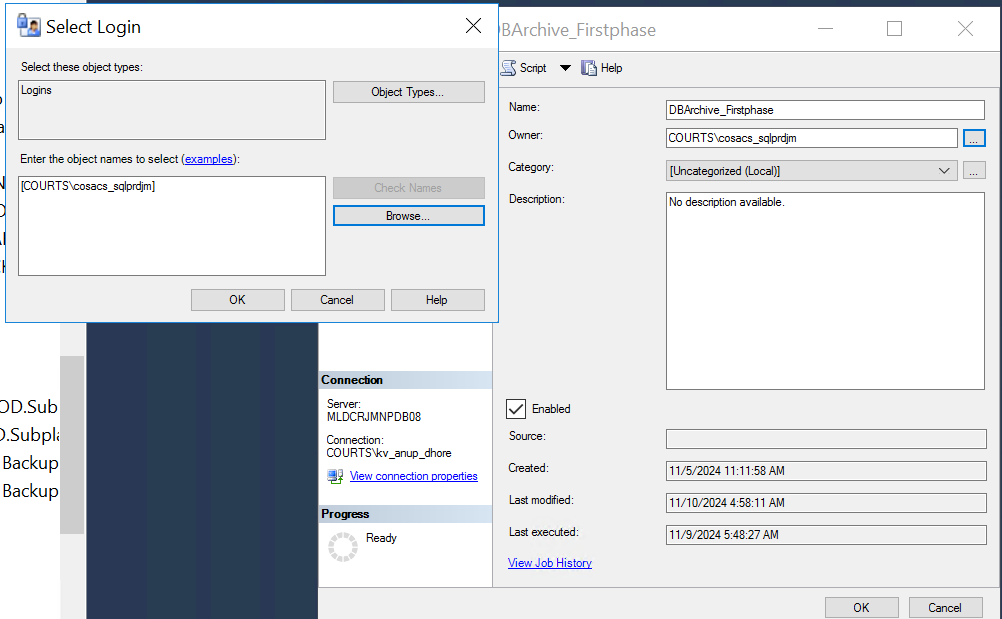
**Fig 6.2**

* Click on ok.

**Step 7:**

* On Source Server SSMS go to Object Explorer. :🡪 Click on SQL Server Agent 🡪 Expand job Menu 🡪 Click on new job.

1. Give appropriate name to the job **DBArchive\_Firstphase**
2. Add owner - **COURTS\cosacs\_sqlprdjm** (This is the same user who gives permissions in D drive)
3. Click on three dots Enter the same User and click on Check Names. Then click on Ok.



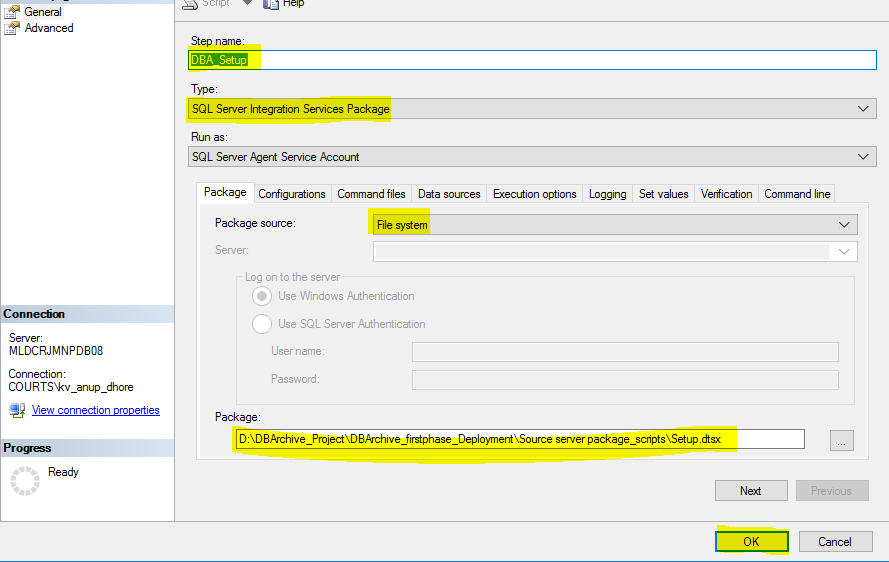
**Fig 7.1**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Setup  
 - Check the Type: Type must be SQL Server Integration Service Package.

- Check the package Source: as File System.

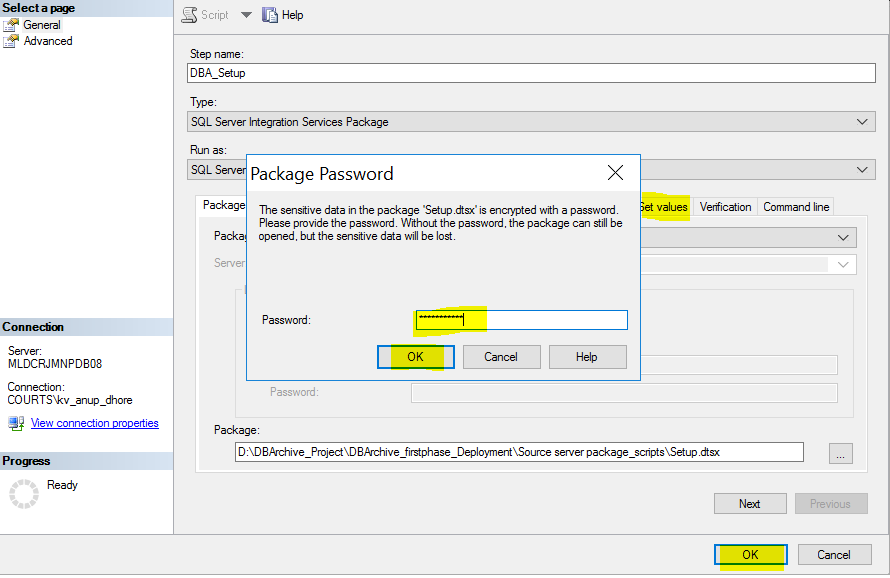
- Choose path of the package from D drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts\Setup.dtsx



**Fig 7.2**

**-** Click on set Value🡪 Add password which is added for package 🡪Click on ok.

Password: **unicomer24#**



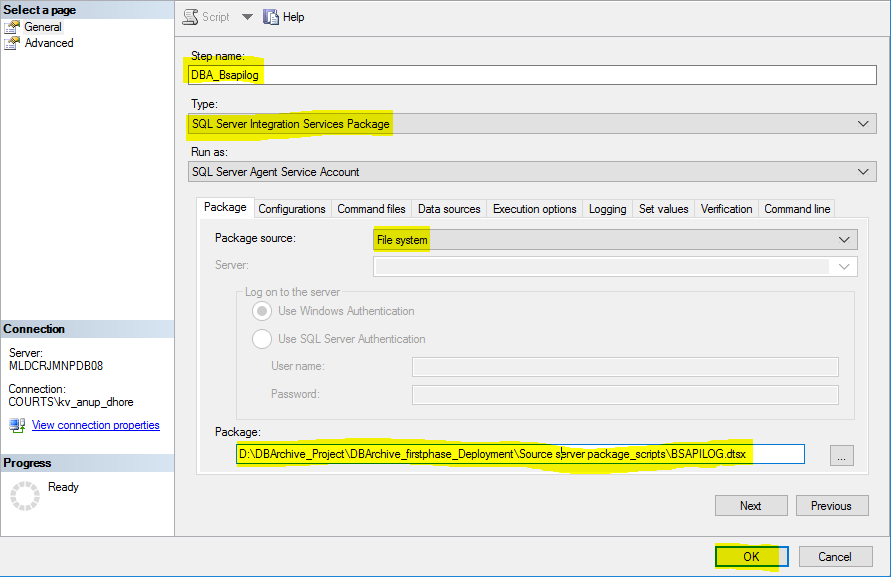
**Fig 7.3**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Bsapilog  
 - Check the Type: Type must be SQL Server Integration Service Package.

- Check the package Source: as File System.

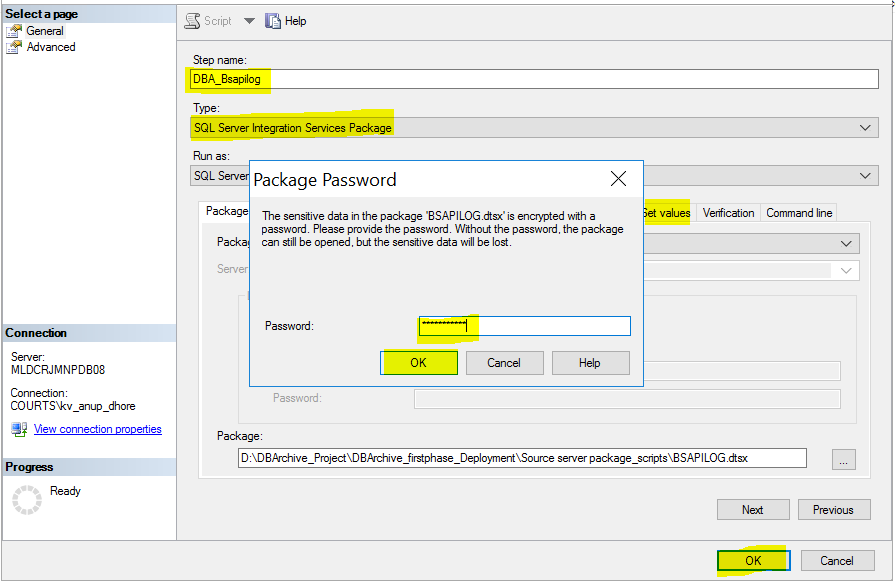
- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts\BSAPILOG.dtsx



**Fig 7.4**

**-** Click on set Value🡪 Add password which is added for package 🡪Click on ok.

Password: **unicomer24#**



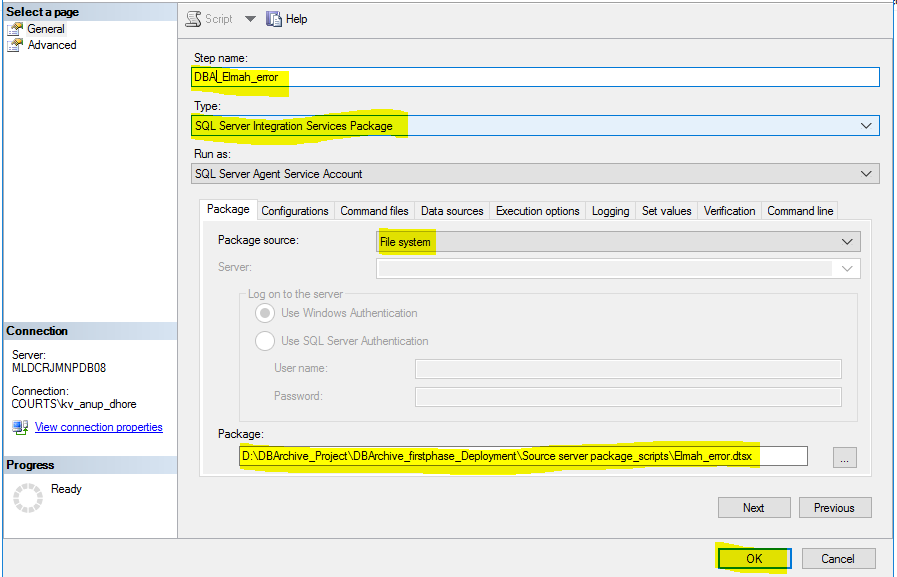
**Fig 7.5**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Elmah\_Error.  
 - Check the Type: Type must be SQL Server Integration Service Package.

- Check the package Source: as File System.

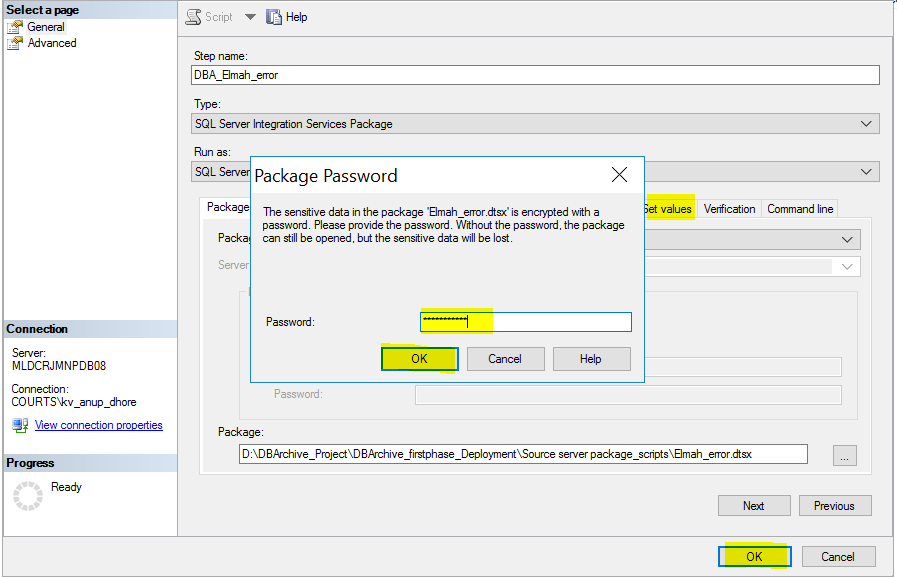
- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts\Elmah\_error.dtsx



**Fig 7.6**

-Click on set Value🡪 Add password which is added for package 🡪Click on ok.

Password: **unicomer24#**



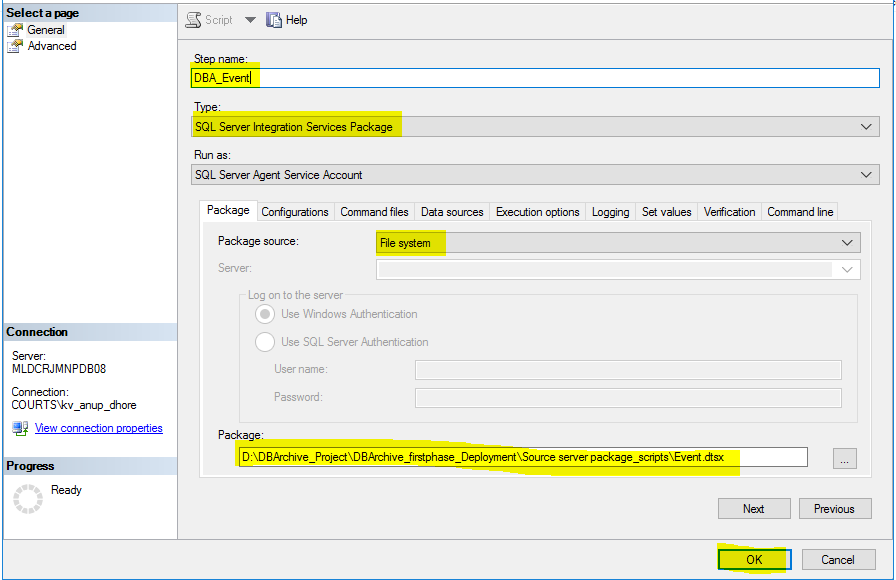
**Fig 7.7**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Event  
 - Check the Type: Type must be SQL Server Integration Service Package.

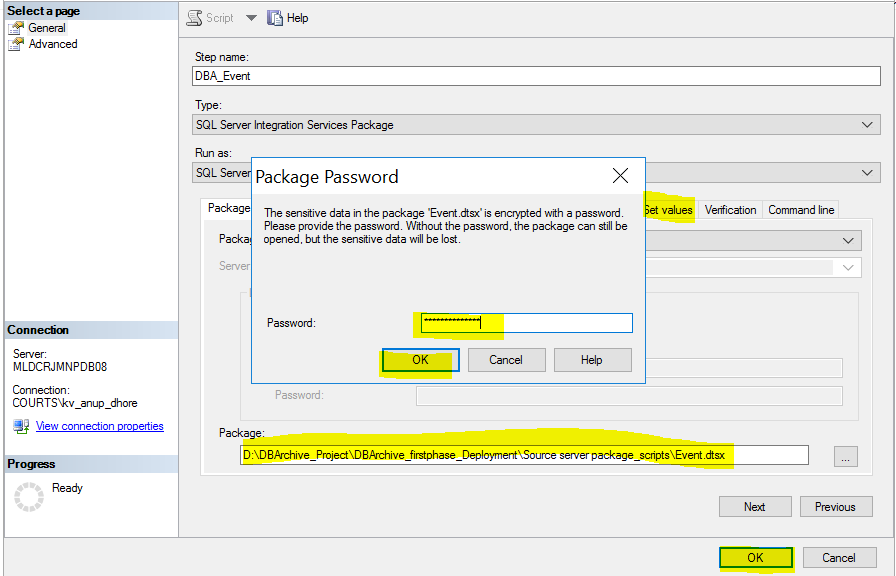
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts\Event.dtsx



**Fig 7.8**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



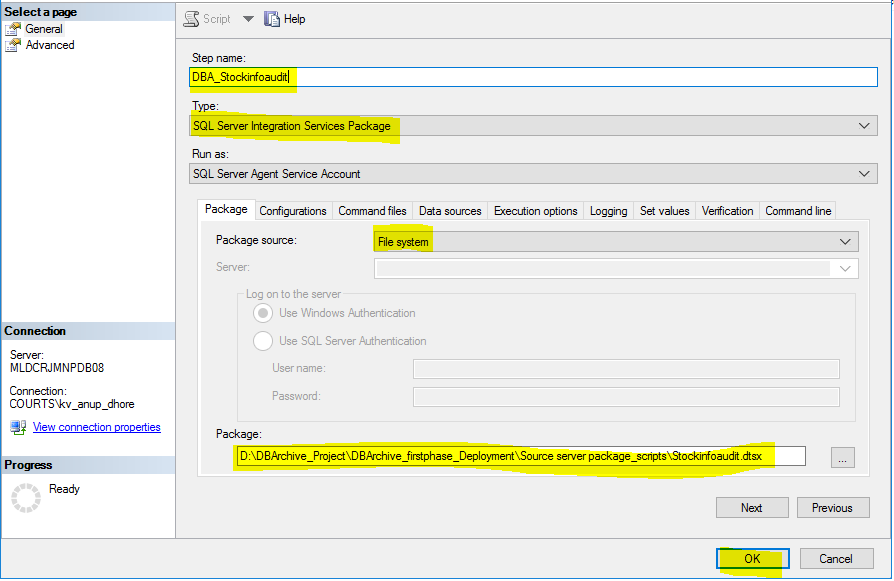
**Fig 7.9**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Stockinfoaudit  
 - Check the Type: Type must be SQL Server Integration Service Package.

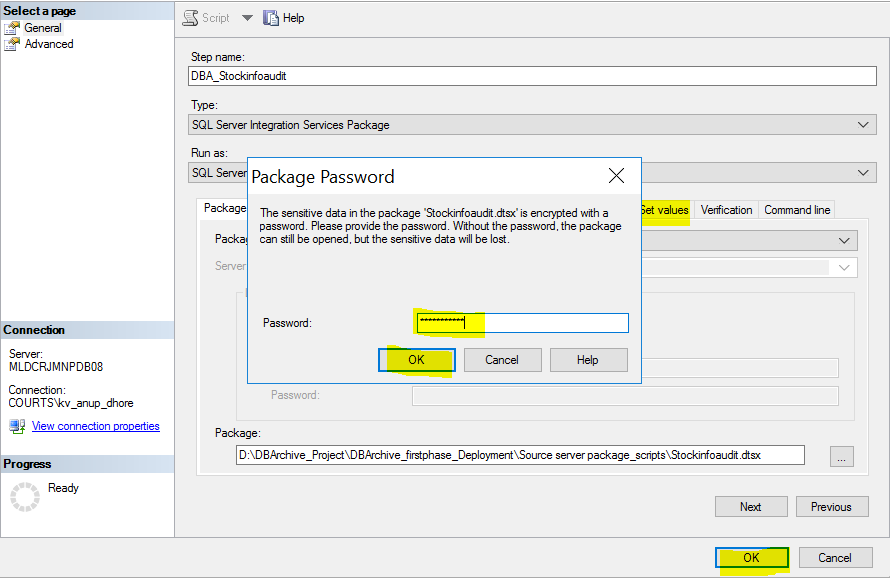
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts\Stockinfoaudit.dtsx



**Fig 7.10**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



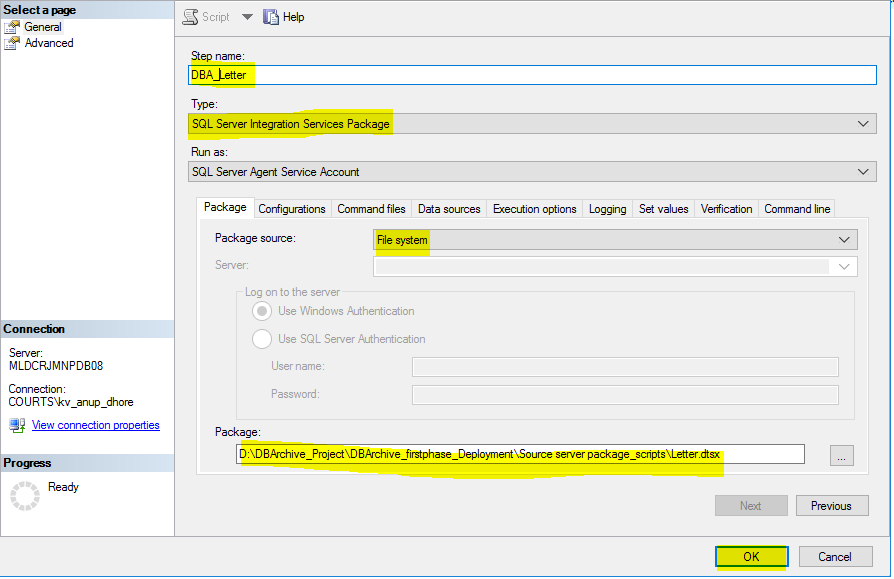
**Fig 7.11**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Letter   
 - Check the Type: Type must be SQL Server Integration Service Package.

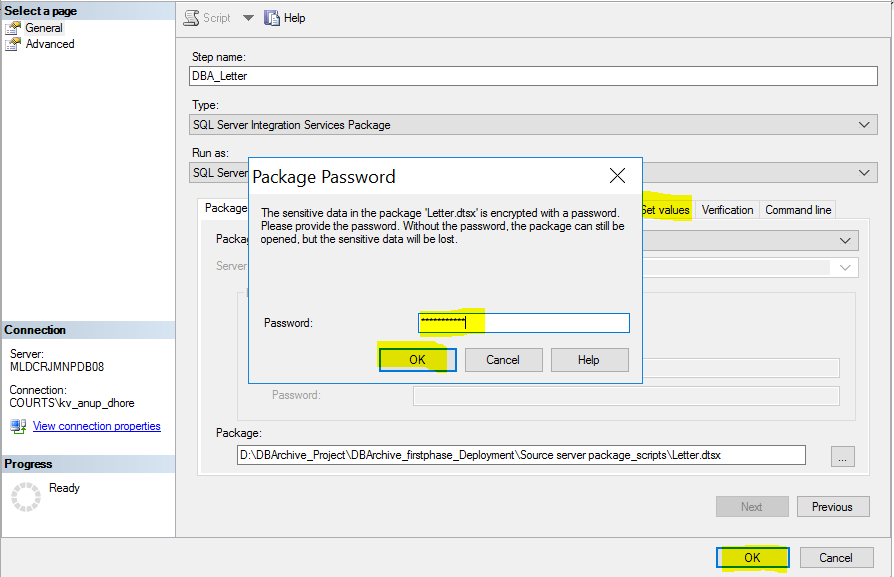
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Source server package\_scripts\Letter.dtsx



**Fig 7.12**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



**Fig 7.13**

-Go to advanced option:  
Choose option for on success action🡪Select Quit the job reporting success option from dropdown 🡪Click on ok.

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**Fig.7.14**

**Step 8: Scheduling the recurring activity(optional)**

* Click on SQL Jobs-> Schedules

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**Fig 8.1**

* Click On New button and then Ex: Schedule job monthly at first day of month.

1. Kindly mention the schedule name as per business requirement.
2. Frequency of job running should be as per the business requirement.
3. Once the required settings are done click on OK button as mentioned in Fig 8.1.
4. Job schedule will be executed as per the settings.

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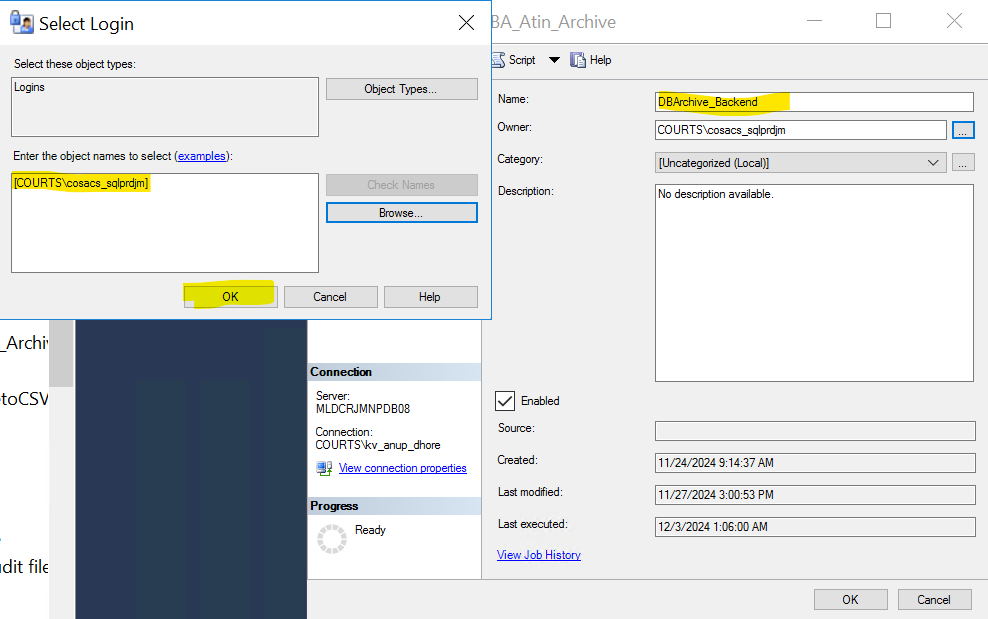
**Fig 8.2**

* After Click on OK Button, the Scheduler runs automatically (**No Manual intervention required**).

**Step 9:**

* On Source Server SSMS go to Object Explorer. :🡪 Click on SQL Server Agent 🡪 Expand job Menu 🡪 Click on new job.

1. Give appropriate name to the job **DBArchive\_Backend**
2. Add owner - **COURTS\cosacs\_sqluatJM** (This is the same user who give permissions in D drive on destination server)
3. Click on three dots Enter the same User and click on Check Names. Then click on Ok.

****

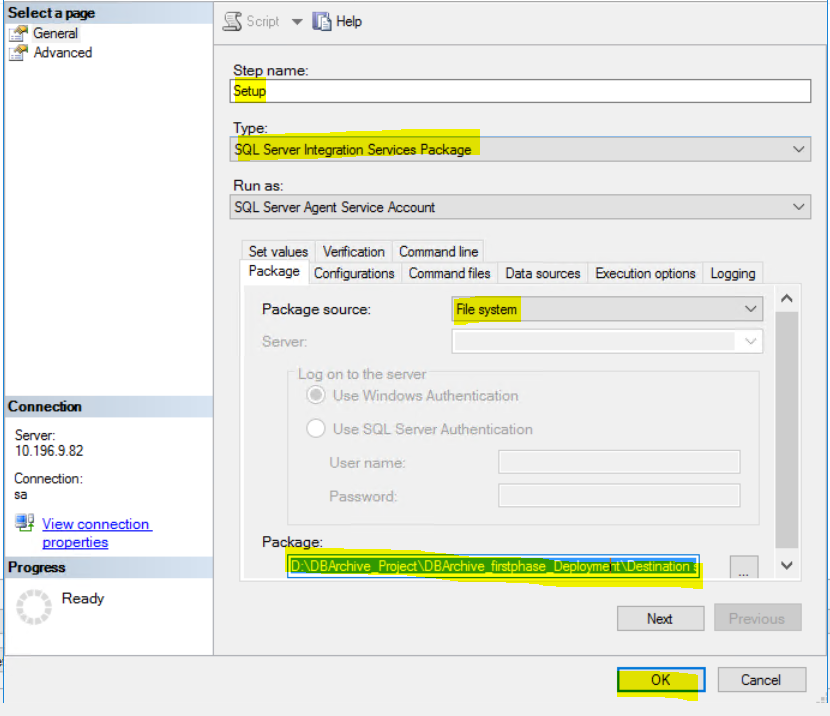
**Fig 9.1**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. Setup  
 - Check the Type: Type must be SQL Server Integration Service Package.

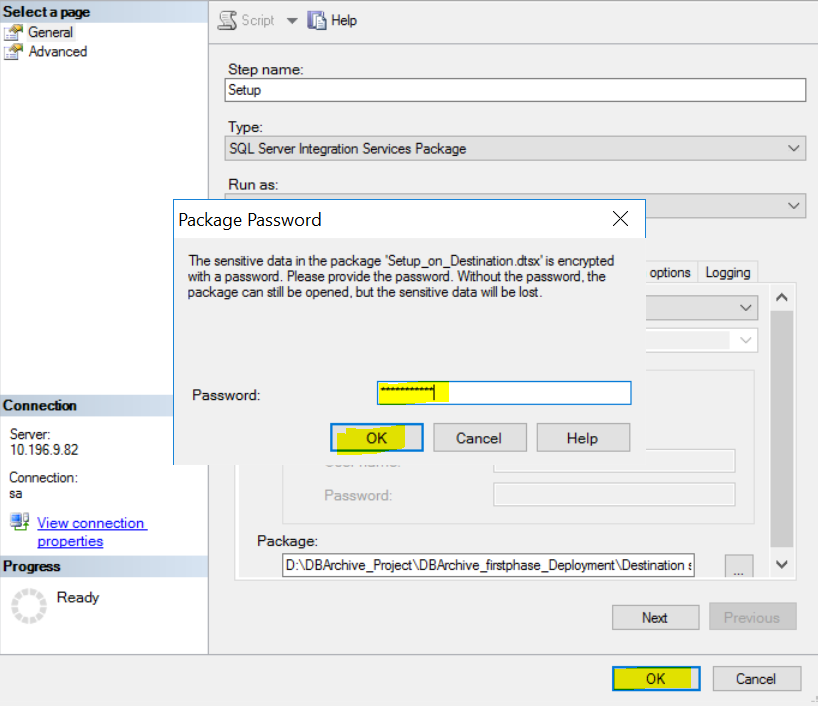
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts\Setup\_on\_Destination.dtsx



**Fig 9.2**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



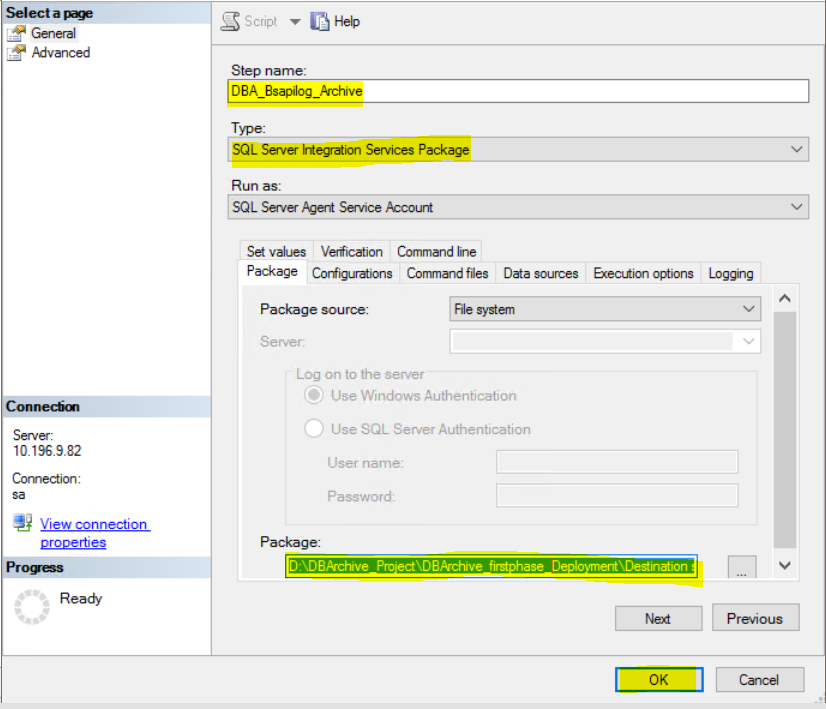
**Fig 9.3**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. DBA\_Bsapilog\_Archive   
 - Check the Type: Type must be SQL Server Integration Service Package.

- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts\Bsapilog\_Archive.dtsx



**Fig 9.4**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**

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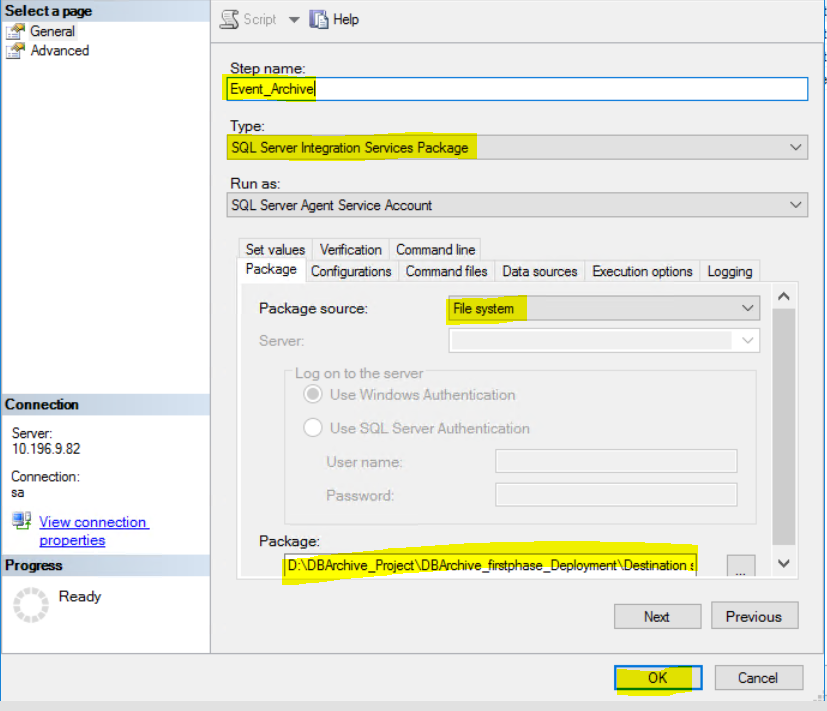
**Fig 9.5**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. Event\_Archive  
 - Check the Type: Type must be SQL Server Integration Service Package.

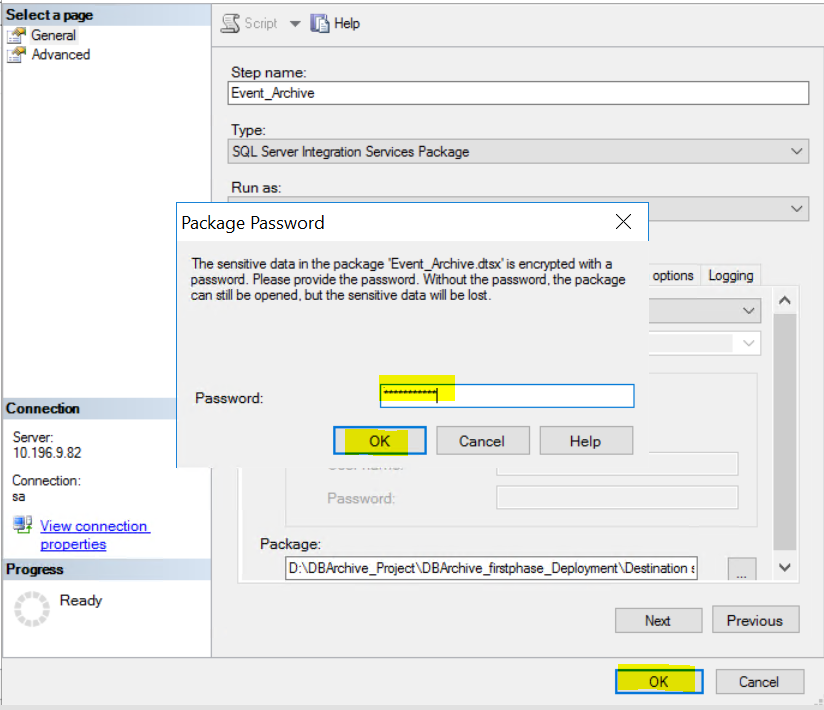
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts\Event\_Archive.dtsx



**Fig 9.6**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



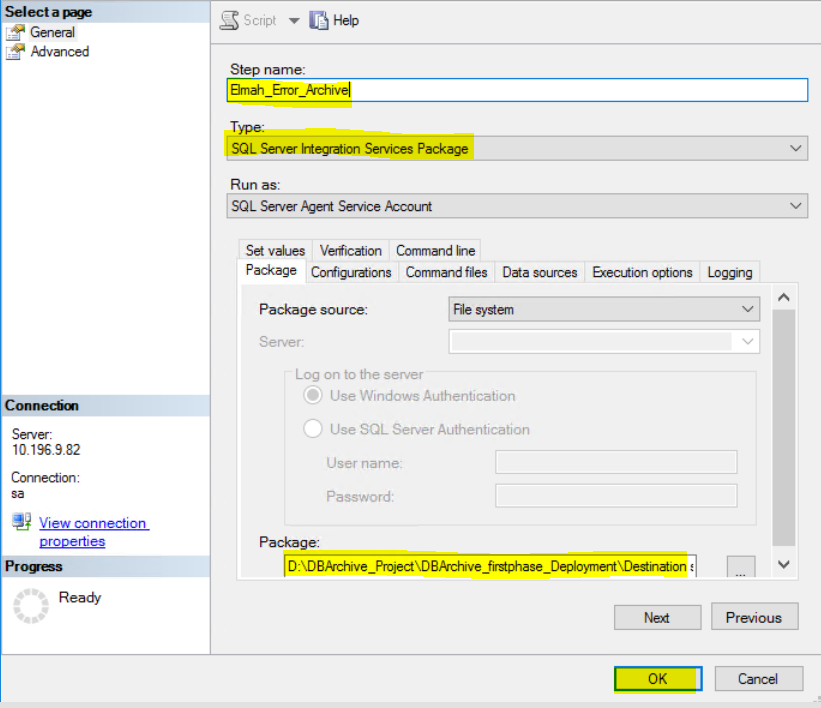
**Fig 9.7**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. Elmah\_Error\_Archive  
 - Check the Type: Type must be SQL Server Integration Service Package.

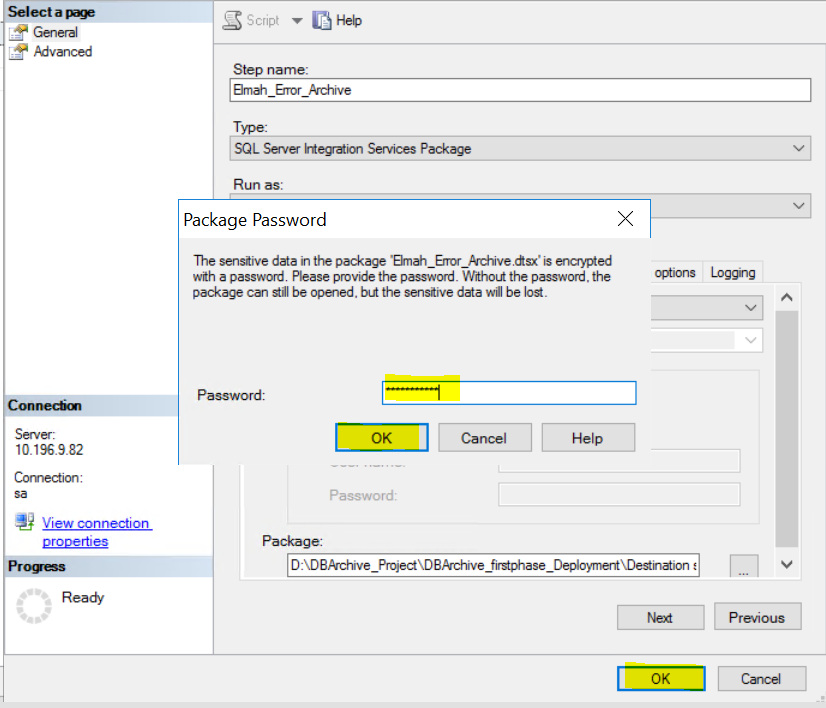
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts\Elmah\_Error\_Archive.dtsx



**Fig 9.8**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



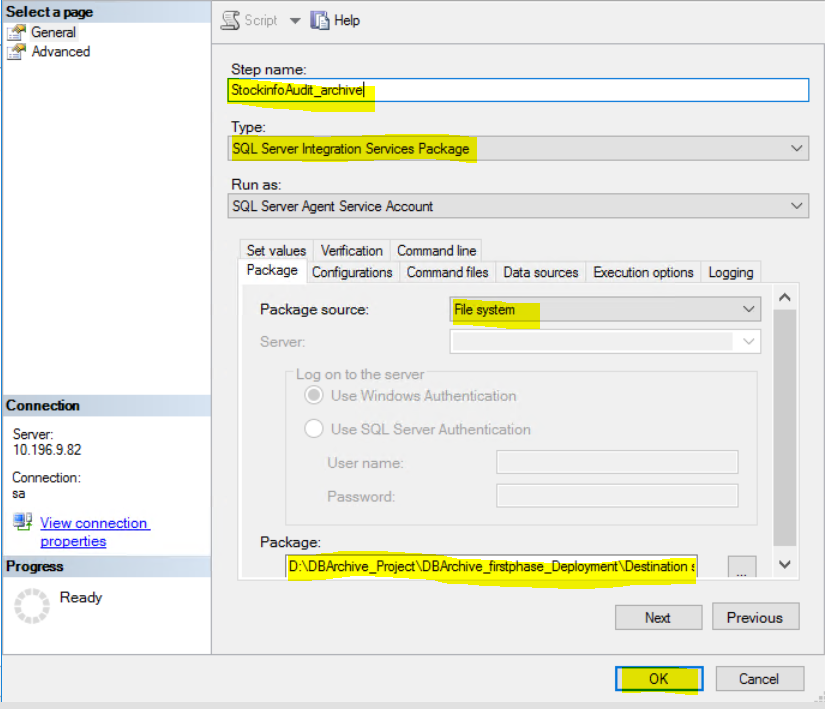
**Fig 9.9**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. StockinfoAudit\_archive  
 - Check the Type: Type must be SQL Server Integration Service Package.

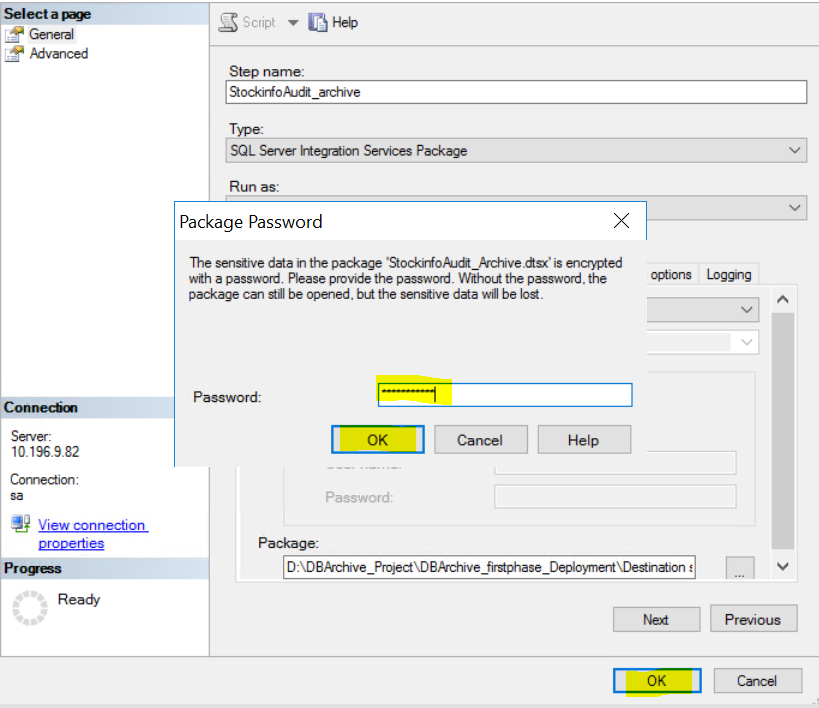
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts\StockinfoAudit\_Archive.dtsx



**Fig 9.10**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



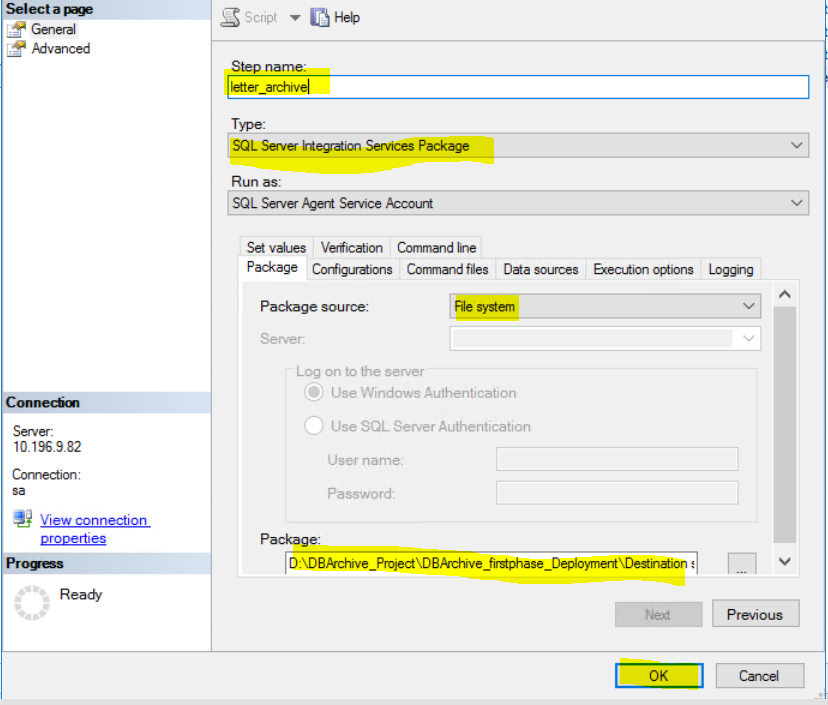
**Fig 9.11**

* Click on steps:

- Click on New to add the step for job:  
 - Give Step Name Ex. letter\_archive  
 - Check the Type: Type must be SQL Server Integration Service Package.

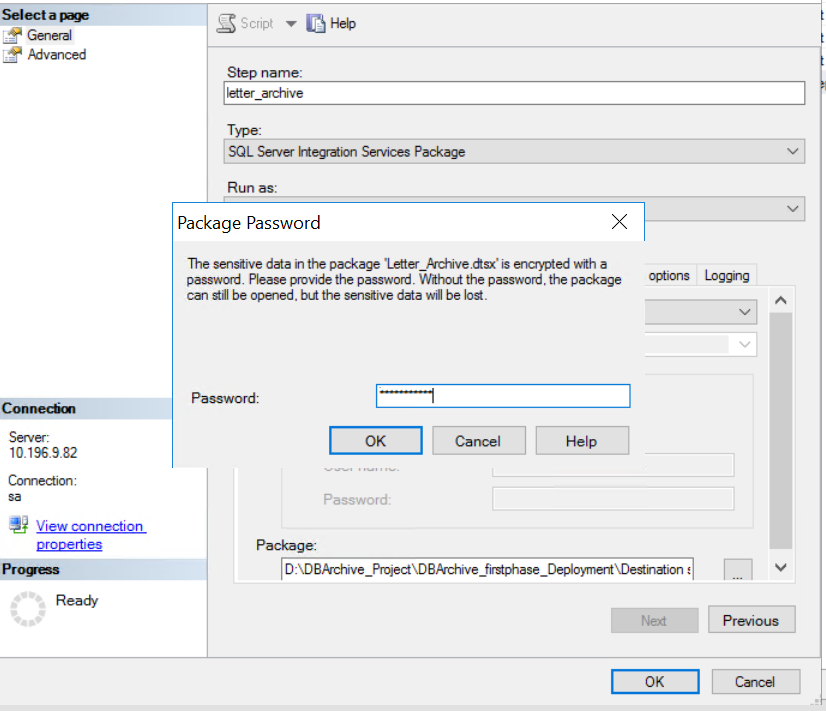
- Check the package Source: as File System.

- Choose path of the package From D Drive.  
 Path: D:\DBArchive\_Project\DBArchive\_firstphase\_Deployment\Destination server packages\_scripts\ letter\_archive.dtsx



**Fig 9.12**

-Click on set Value🡪 Add password which is added for package- 🡪Click on ok.  
 Password: **unicomer24#**



**Fig 9.13**

-Go to advanced option:  
Choose option for on success action🡪Select Quit the job reporting success option from dropdown 🡪Click on ok.

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Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAD8AAAAZCAMAAACxdAbGAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAGUExURQAAAAAAAKVnuc8AAAACdFJOU/8A5bcwSgAAAAlwSFlzAAAOwwAADsMBx2+oZAAAACBJREFUOE9jYKQMjOqnDIzqpwyM6qcMjOqnDIxs/YyMAEE9BihnVQVxAAAAAElFTkSuQmCC)

**Fig.9.14**

**Step 8:**



* Click on SQL Jobs-> Schedules

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**Fig 9.15**

* Click On New button and then Ex: Schedule job monthly at first day of month.

1. Kindly mention the schedule name as per business requirement.
2. Frequency of job running should be as per the business requirement.
3. Once the required settings are done click on OK button as mentioned in Fig 3.8.
4. Job schedule will be executed as per the settings.

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**Fig 9.16**

* After Click on OK Button, the Scheduler runs automatically (**No Manual intervention required**).

**Step: 10**

1: Execute job DBA\_FirstPhase on source server.

2: Take Cosacs database backup after successful completion of DBA\_FirstPhase on source server.

3: Restore that backup on destination server.

4: Create new database on destination server (Ex. JMCosacsDBArchive).

5: Execute job DBA\_Backend on destination server.

6: Delete the CoSaCS database from destination server after successful completion of DBA\_Backend.

7: Delete the tables Bsapilog\_archive, event\_archive, letter\_archive, stockinfoaudit\_archive, elmah\_error\_archive from source server.  
Run Queries:  
-Drop table bsapilog\_archive

-Drop table event\_archive  
-Drop table elmah\_error\_archive

-Drop table stockinfoaudit\_archive

-Drop table letter\_archive

**Step: 11**

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* **Go to properties and Click on option menu and select recovery model as full from Dropdown*.***

**NOTE**: Kindly donot delete file from the respective folders.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*