1. **MS SQL to MS SQL Linked Server Creation Manual.**

Prepared by -

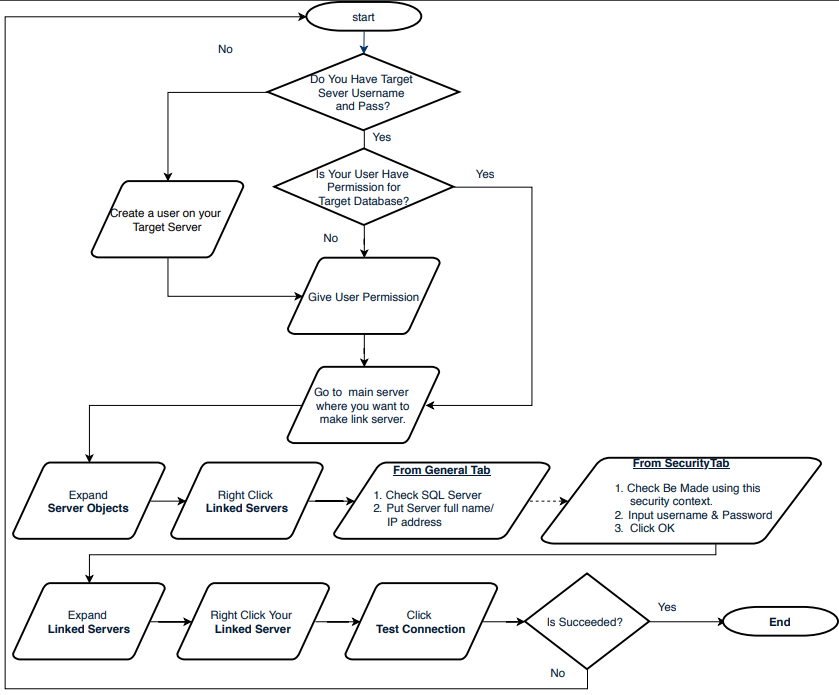
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Date: ***02/October/2019***.

**Flowchart for this type of Linked Server Configuration.**



*Fig-1: Linked Server Configuration Flowchart.*

1. **MS SQL Server to MS Access Linked Server Creation Manual.**

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1. Remove/Uninstall all **MS Office** program from the Computer where your SQL server installed (If MS Office program installed).
2. Download the **OLEDB 12.0** driver from this [Link](https://www.microsoft.com/en-us/download/details.aspx?id=13255). Choose any one, same as your system (32/64) installed. Then install it (restart your machine, if it ask).
3. Suppose a specific location for your MS Access DB is “D:\AccessDB\Unis.mdb”.

Now just follow the following steps one by one, to give file read/write access permission for SQL user.

* + - Right click on “**AccessDB**” folder --> **Properties** --> **Security** Tab -->click on **Edit**  -->select your **user**/SQL **User** / -->Check on **Full Control** box --> **Apply**  --> **OK.**
    - Also need to give permission for IIS User if the folder need to access though IIS user. Just follow these steps.
      * + Right click on “**AccessDB**” folder --> **Properties** --> **Security** Tab -->click on **Edit**  --> **Add**  --> **Advanced**  --> **Find Now**  --> a list of user will appear in bellow of that window and just find “**IIS\_IUSRS**” and select it --> **OK** --> **OK** --> Now Select **“IIS\_IUSRS”** -->Check on **Full Control** box --> **Apply**  --> **OK.**

1. Now go to SQL Server Management Studio, then paste the following code.

**If your access file is password protected then following code.**

EXEC sp\_addlinkedserver

@server = 'AccessDB',

@provider = N'Microsoft.ACE.OLEDB.12.0',

@srvproduct = 'Access',

@datasrc = 'D:\AccessDB\UNIS.mdb',

@provstr = ';PWD=unisamho';

EXEC sp\_addlinkedsrvlogin

@rmtsrvname = 'AccessDB',

@useself = 'FALSE',

@locallogin = NULL,

@rmtuser = 'Admin',

@rmtpassword = NULL;

***If your access file is not password protected then following code.***

EXEC sp\_addlinkedserver

@server = 'AccessDB',

@provider = N'Microsoft.ACE.OLEDB.12.0',

@srvproduct = 'Access',

@datasrc = 'D:\AccessDB\UNIS.mdb',

@provstr = ';';

EXEC sp\_addlinkedsrvlogin

@rmtsrvname = 'AccessDB',

@useself = 'FALSE',

@locallogin = NULL,

@rmtuser = 'Admin',

@rmtpassword = NULL;

1. For checking link server connection from SQL Server:
   1. Expand **Server Object** --> Expand **Linked Server** --> Right click on your Linked Server name (i.e: AccessDB) --> Click **Test Connection.**
   2. Expand **Server Object** --> Expand **Linked Server** --> Expand Your Linked Server --> Expand **Catalogs** --> Expand **default** --> Expand **Tables** --> It will show all MS Access Database Tables otherwise linked server not successfully configured.