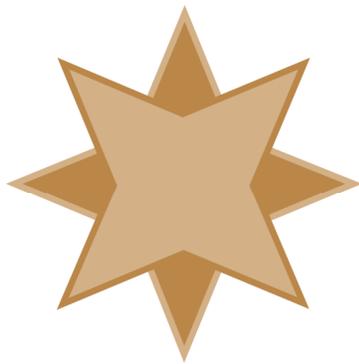


Setting Up a Linked Server From SQL Server Management Studio v19

A White Paper From



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Setting Up a Linked Server From SSMS v19

Last Updated: August 2023

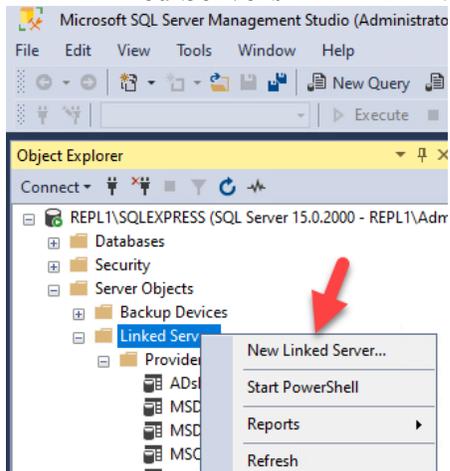
A frequent question we get is a seemingly simple one: How can I access my Zen database from Microsoft SQL Server?

Despite the fact that I am nowhere close to being a SQL Server user, let alone an expert, I can certainly work through some basic dialog boxes on the SQL Server Management Studio with the best of them, so here's a basic process to get you started.

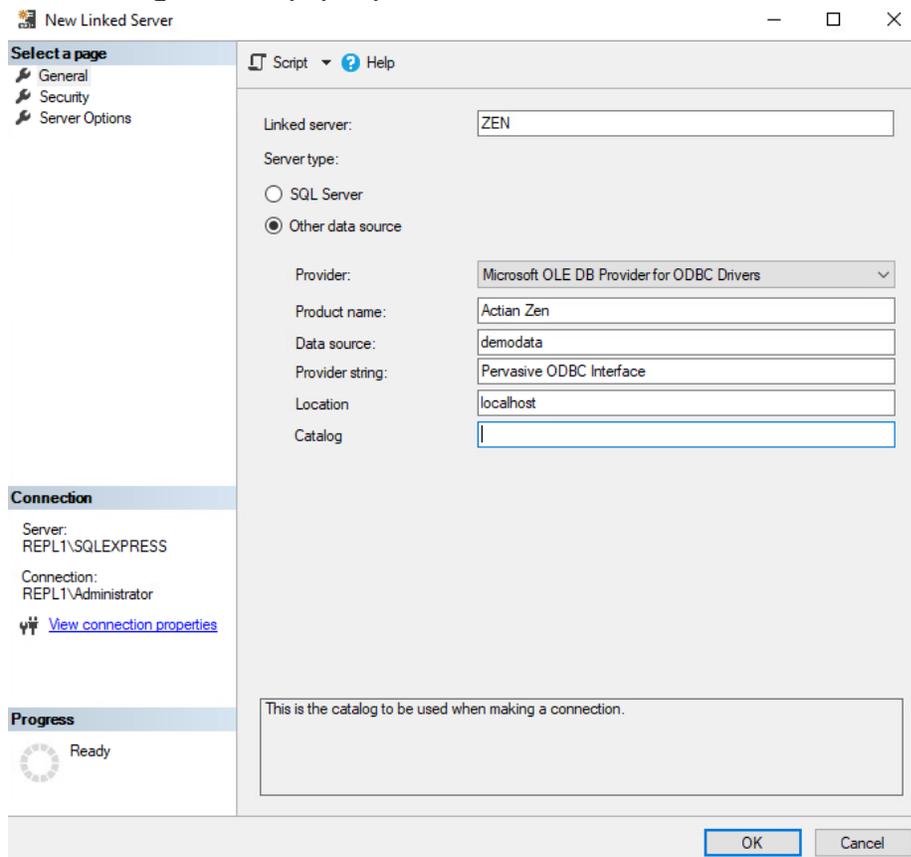
In this example, I first installed an Actian Zen v15 Enterprise Server with the v15.20 release, following the normal installation instructions. I then installed a Basic installation of Microsoft SQL Server Express 2019, along with SQL Server Management Studio (SSMS) v19.1, again working from the standard downloads and installers.

Once the environment was set up, we were clear to proceed.

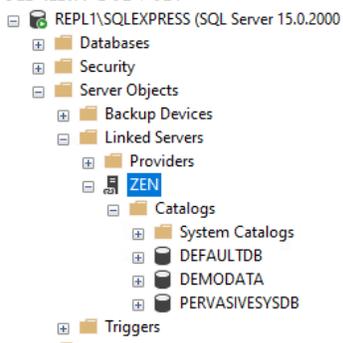
1. Ensure that a 64-bit ODBC DSN has been created. Interestingly, it seems that once a Linked Server is created, you can access ANY database on that Linked Server, so make your life easy and just use the DEMODATA database, which already has a 64-bit DSN created for you by default. [If someone can explain this to me, I'd love to figure out what I've misunderstood here.]
2. In the SSMS window, drill down in the tree view on the left into **Server Objects**, and then right-click **Linked Servers** and select **New Linked Server....**



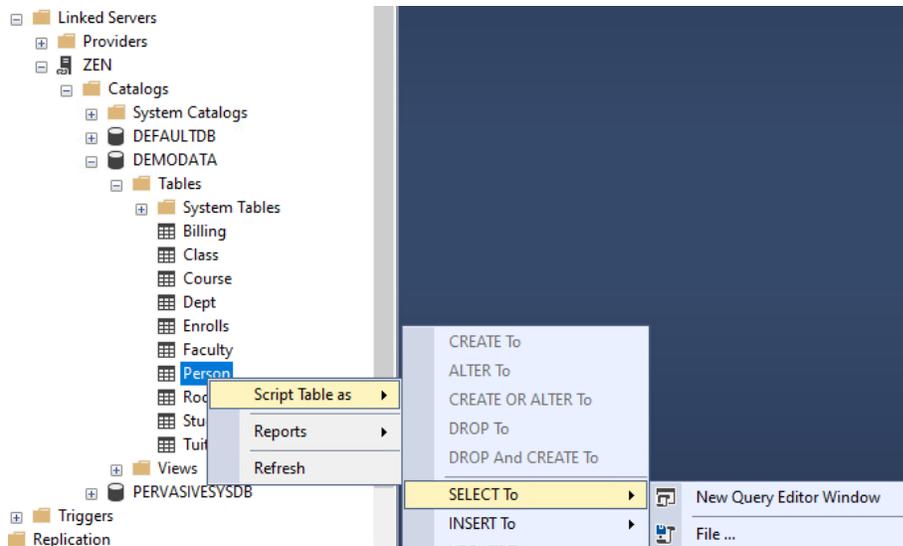
3. In the dialog box that pops up, fill in the data as shown here and click OK.



4. Drill down into the newly-created ZEN Linked Server and into the Catalogs to see the databases on that server.



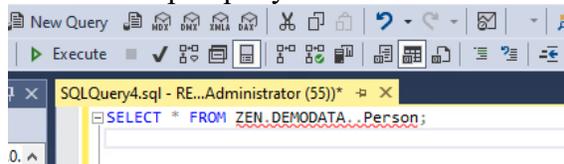
5. Now, drill into the database you want to access, open the **Tables** list, and then right-click the table that you want to query. Select **Script Table as, SELECT To,** and **New Query Editor Window.**



- You will get a new Query Editor window with an error that mentions rights. This is only because SSMS doesn't know how to query the Action database properly!

```
SQLQuery4.sql - RE...Administrator (55) -> X
-- [ZEN].[DEMODATA].[Person] contains no columns that can be selected or the current user does no
GO
```

- Enter the correct SQL statement into the Query Editor. The square brackets are optional, so you can do a simple query like this:



- Click the Execute button on the tool bar, and the query will run and retrieve data.

ID	First_Name	Last_Name	Perm_Street	Perm_City	Perm_State	Perm_Zip	Perm_Country	Street	
1	104101361	James	Ogelvie	5333 E Wallace Ave	Scottsdale	AZ	85254-4636	USA	6906 N...
2	104321686	Kanagae	Yoko	817 Big Bum Court	Miami	FL	33135-2358	USA	807 W ;
3	104643157	Haniza	Yaacob	10039 Bissonnet Street	Atascocita	TX	77346-2216	USA	1107 Fir
4	104862054	Harold	Dimbat	7627 Gingerblossom Drive	Cupertino	CA	95014-1031	USA	1802 Be
5	105095306	Hope	Noga	3383 NW 7th Street	Ocracoke	NC	27960	USA	7009 Fe
6	105111267	Bradley	Giddy	416 E Walnut Street	Drexel Hill	PA	19026-5349	USA	8009 S
7	105318557	William	Tuten	77 Madison Ave	Lexington	MA	02173-5819	USA	202 E 4
8	105402001	Deborah	Mahana	4608 Avenue F	Austin	TX	78748-6212	USA	1113 R...

Now you should be good to go!