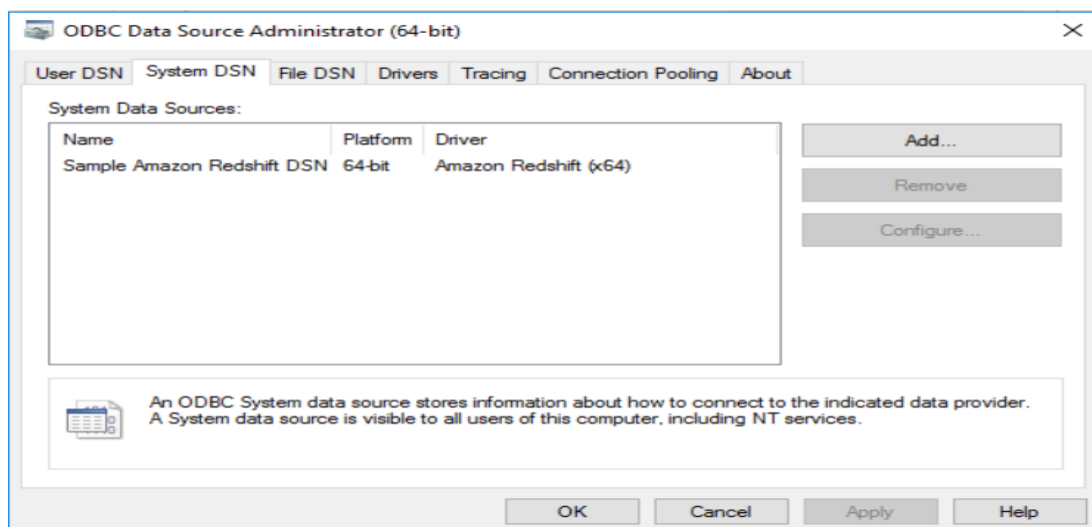# How to add a cluster to MongoDB Atlas and Connect with Power BI

1. Create a MongoDB Atlas account

2. Open the Create New Cluster Dialog and Configure the Cluster Cloud Provider & Region by providing tier.

3. Enable BI connector

4. Import data into cluster using connect dialog box where we can add a document and create users to access the cluster.

How to connect to the MongoDB Connector for BI using Microsoft Power BI Desktop.

First create a system DSN

1. Download and install the MongoDB ODBC Driver for BI Connector

2. Start the Microsoft ODBC Data Sources program and choose the program version (64-bit or 32-bit) which is appropriate for your system and ODBC driver version.

3. Click Add button

4. Select a MongoDB ODBC driver from the list of available drivers. Select either the MongoDB ODBC 1.1.0 ANSI Driver or the MongoDB ODBC 1.1.0 Unicode Driver, then click OK.

5. Fill the following details

Click the **Details** button to expose the lower half of the form.

The following form fields are required:

Field Name	Description
Data Source Name	A name of your choice.
TCP/IP Server	Address of the server where your `mongosqld` process is running. If you have enabled BI Connector on MongoDB Atlas ⬀, you can find the hostname of the server where `mongosqld` is running in the connection information ⬀ for your cluster.
Port	Port number of your `mongosqld` process.
Database	The name of the database to connect to, e.g. `test`.

6. Enter the password and authentication.

7. Click test button to test the ODBC connection.

MongoDB ODBC Data Source Configuration ✕

Connection Parameters

Data Source Name: BI Connector DSN

Description:

◉ TCP/IP Server: localhost   Port: 3307

○ Named Pipe:

User: dbUser?source=admin

Password: ••••••••

Database: test ▾   Test

Connection | Metadata | Cursors/Results | Debug | SSL | Misc

☐ Allow big result sets   ☐ Can Handle Expired Password
☐ Use compression   ☐ Enable Cleartext Authentication
☐ Enable automatic reconnect   ☐ Disable default SSL
☐ Don't prompt when connecting
☐ Allow multiple statements
☐ Interactive Client

Character Set: ▾
Initial Statement:
Plugin Directory: ...
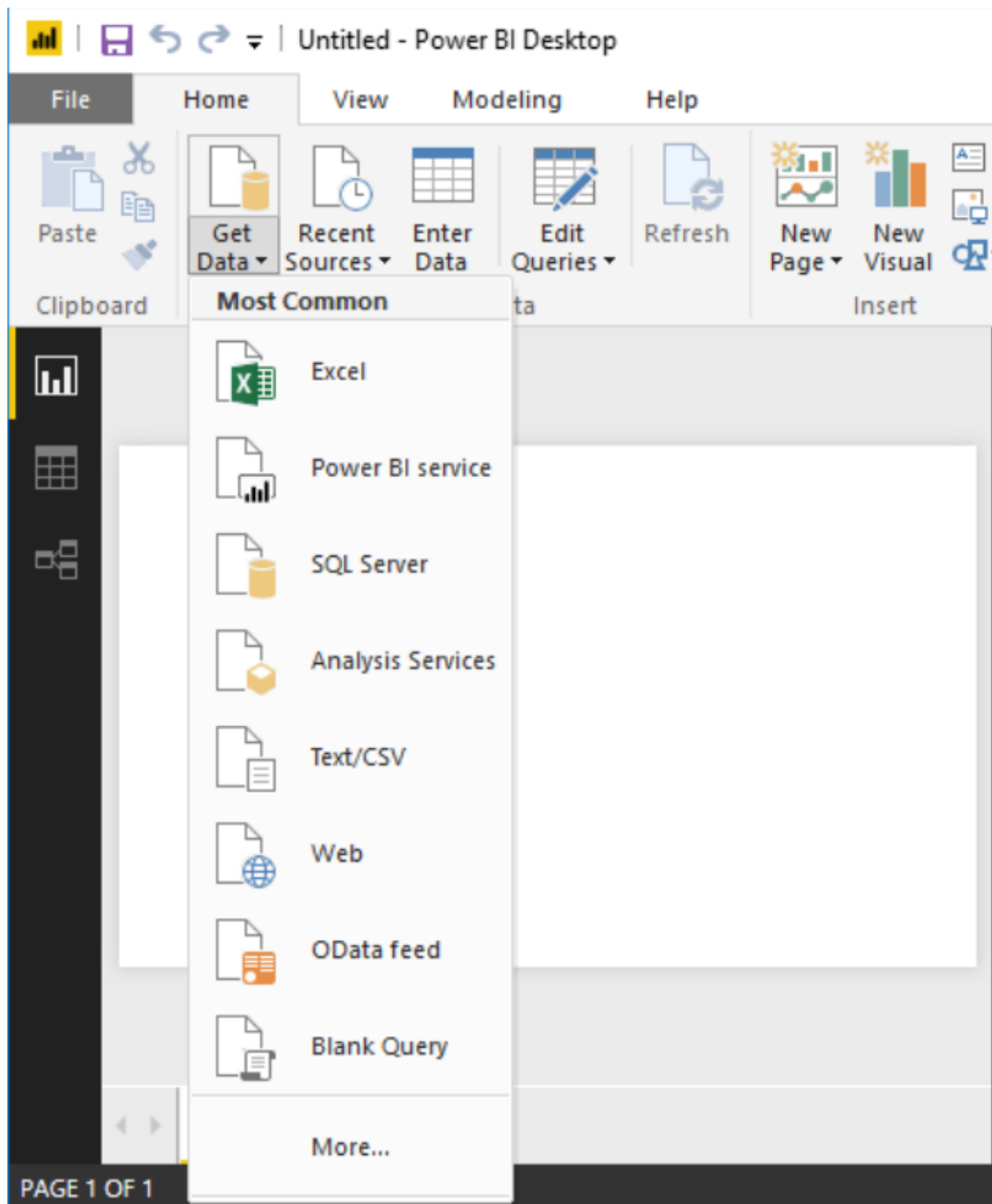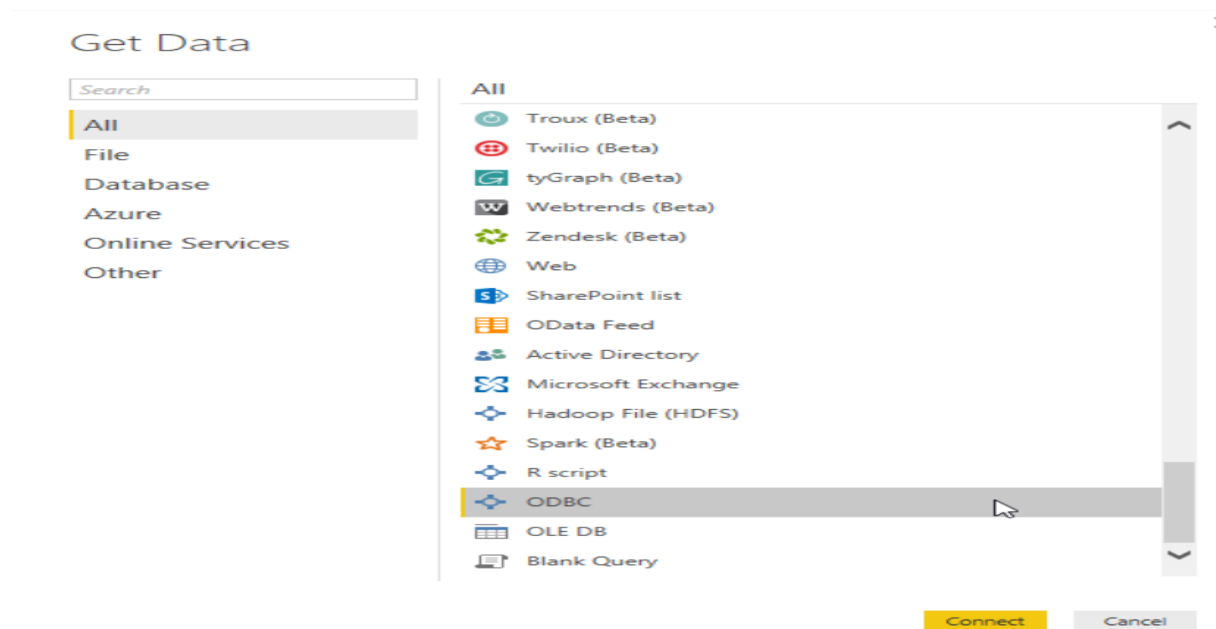Authentication

Details <<   OK   Cancel   Help
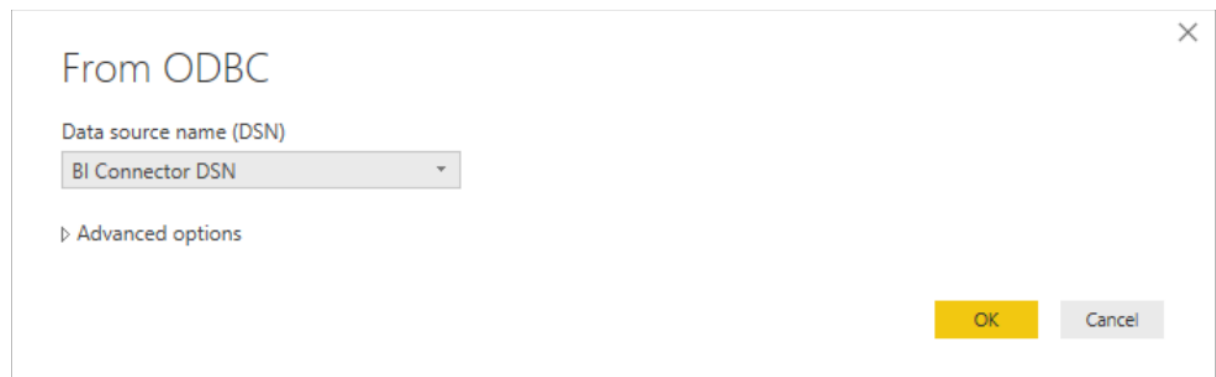
Connect to Power BI now:

1. Start Power BI Desktop, select home screen, click get data and click more.

2. Select ODBC from the list of data sources and click Connect.

3. Select your ODBC data source name from the list and click OK.

4. Select data, The Power BI Navigator shows a list of databases. Select a database and one or more collections to work with. A preview of your data appears to the right. Click load and begin.

Navigator

Display Options ▾

- ◢ ▦ ODBC (dsn=BI Atlas M30 cluster) [3]
  - ▷ 📁 information_schema
  - ▷ 📁 mysql
  - ◢ 📁 test [1]
    - ☑ ▦ reports

reports

_id	month	state	units
5a4bd204125be6ffa0219e6b	April	Utah	78
5a4bd204125be6ffa0219e6c	April	New Mexico	225
5a4bd204125be6ffa0219e6a	April	Oregon	134
5a4bd204125be6ffa0219e6d	April	Arizona	490