

Connecting to static Excel Spreadsheets

? Why



The key feature of Excel is that it's very simple to use. Users with very basic IT skills can cope with Excel.



It's simple to backup data by copying the spreadsheet.



You can easily work with the data outside of PowerApps.



Data list in Excel is a small record list – no more than 2000 records



Data collected from PowerApps can link to other Excel Spreadsheets using excel Formula and Functions



Limitations of Excel



Excel is not the best for datasource. SharePoint is a better data source, compared to Excel.



Excel is not suitable for large datasets. The maximum file size for Excel spreadsheet is 2MB.



Excel data needs to be in a Table format. Excel Table cannot have columns that have formulas.



Excel file has to be closed before user can use App.



Datatypes are auto populated in PowerApps and may detected the wrong datatype.



Search and Filters in PowerApps will only search the first 500 records by default. You can increase to 2000 as a maximum.



You must share the Excel file with all users using the PowerApp.

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Scenario

- 1 You have a small list of records in excel. You prepare an Excel file with data formatted as 'Table'. No formulas are in table.
- 2 You upload the Excel Spreadsheet to SharePoint Library or OneDrive for Business
- 3 You connect to PowerApps.



How?



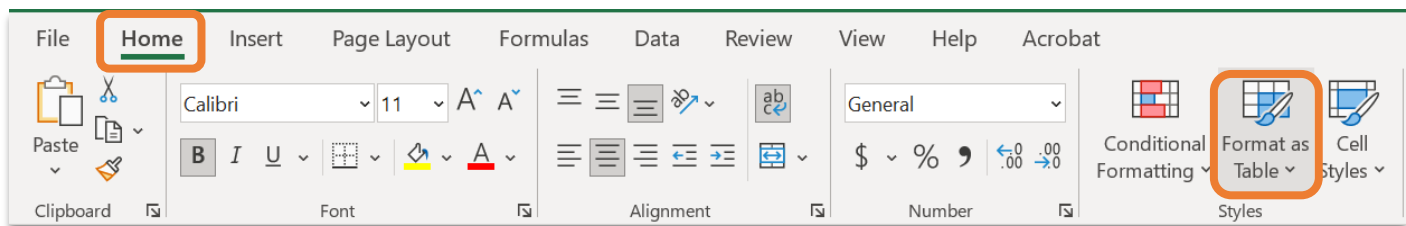
Configure Excel

1. Create an **Excel file** with some data. Eg. prepared '**Student List**' records with columns headers.

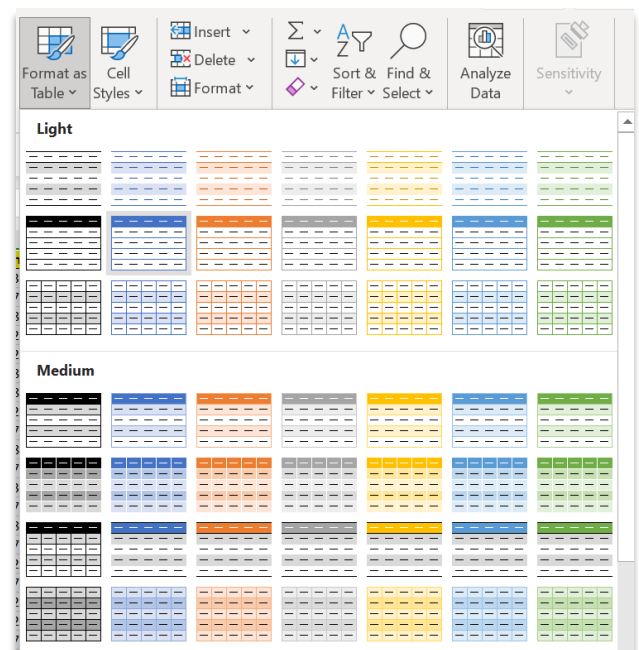
StudentID	First Name	Last Name	Address	City	State	Phone No	Email	DateofBirth
1	Rebecca	Didlo	171 E 24th St	Leith	TAS	03-8174-9123	rebecca.didlo@didlo.com.au	3-Feb-52
2	Stevie	Hallo	22222 Acoma St	Proston	QLD	07-9997-3366	stevie.hallo@hotmail.com	23-May-58
3	Mariko	Stayer	534 Schoenborn St #51	Hamel	WA	08-5558-9019	mariko_stayer@hotmail.com	26-Jul-29
4	Gerardo	Woodka	69206 Jackson Ave	Talmalmo	NSW	02-6044-4682	gerardo_woodka@hotmail.com	15-Apr-47
5	Mayra	Bena	808 Glen Cove Ave	Lane Cove	NSW	02-1455-6085	mayra.bena@gmail.com	9-Feb-55
6	Idella	Scotland	373 Lafayette St	Cartmecip	WA	08-7868-1355	idella@hotmail.com	22-Aug-58
7	Sherill	Klar	87 Sylvan Ave	Nyamup	WA	08-6522-8931	sklar@hotmail.com	26-Apr-56
8	Ena	Desjardws	60562 Ky Rt 321	Bendick Murrell	NSW	02-5226-9402	ena_desjardws@desjardws.com.au	6-May-96
9	Vince	Siena	70 S 18th Pl	Parravanda	QLD	07-3184-9989	vince_siena@yahoo.com	23-Jan-46
10	Theron	Jarding	8839 Ventura Blvd	Blanchetown	SA	08-6890-4661	tjarding@hotmail.com	13-Feb-46
11	Amira	Chudej	3684 N Wacker Dr	Rockside	QLD	07-8135-3271	amira.chudej@chudej.net.au	7-Feb-50
12	Marica	Tarbor	68828 S 32nd St #6	Rosegarland	TAS	03-1174-6817	marica.tarbor@hotmail.com	11-Jan-66
13	Shawna	Albrough	43157 Cypress St	Ringwood	QLD	07-7977-6039	shawna.albrough@albrough.com.au	17-Jul-60
14	Paulina	Maker	6 S Hanover Ave	Maylands	WA	08-8344-8929	paulina_maker@maker.net.au	26-Feb-49
15	Rose	Jebb	27916 Tarrytown Rd	Woolloowin	QLD	07-4941-9471	rose@jebb.net.au	29-Aug-62
16	Reita	Tabar	79620 Timber Dr	Arthursville	NSW	02-3518-7078	rtabar@hotmail.com	17-Nov-64
17	Maybelle	Bewley	387 Airway Cir #62	Mapleton	QLD	07-9387-7293	mbewley@yahoo.com	18-Jul-62
18	Camellia	Pylant	570 W Pine St	Tuggerawang	NSW	02-5171-4345	camellia_pylant@gmail.com	20-Mar-56
19	Roy	Nybo	823 Fishers Ln	Red Hill	ACT	02-5311-7778	rnybo@nybo.net.au	19-Aug-62
20	Albert	Sonier	4 Brookcrest Dr #7786	Inverlaw	QLD	07-9354-2612	albert.sonier@gmail.com	23-Jan-40
21	Hayley	Taghon	72 Wyoming Ave	Eugowra	NSW	02-1638-4380	htaghon@taghon.net.au	19-Feb-63
22	Norah	Daleo	754 Sammis Ave	Kotara Fair	NSW	02-5322-6127	ndaleo@daleo.net.au	24-Sep-40
23	Rosina	Sidhu	660 N Green St	Burpengary	QLD	07-6460-4488	rosina_sidhu@gmail.com	15-Mar-65

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2. You should format this data as 'Table' as the PowerApp, only consider Tables, which you will notice in next sections.
3. Highlight all data Data
4. Click on **Home** tab and Select **Format as Table**



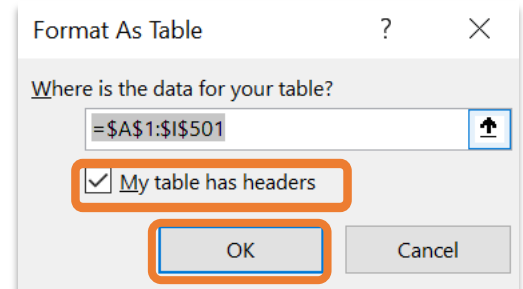
5. Choose any table style from list of options





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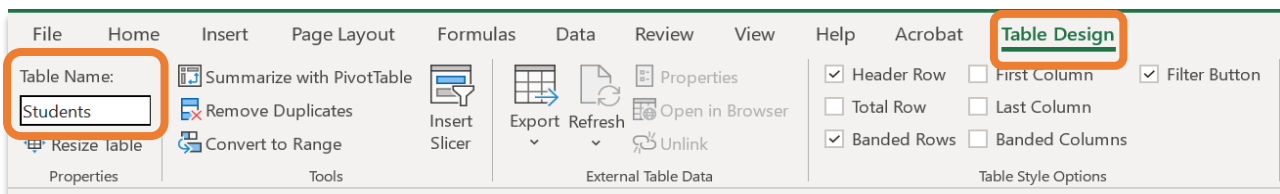
6. Confirm you have place a tick in **My table has headers**



7. Click **OK**

8. Provide name to the Table - We will use this Table name in Power Apps.

9. Click on **Table Design** on Ribbon



10. In **Table Name** type in Name of Table. I named my table as **'Students'**.

11. **Save** and **Close** the Excel File.



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Upload to OneDrive for Business

12. Login to **Office.com**

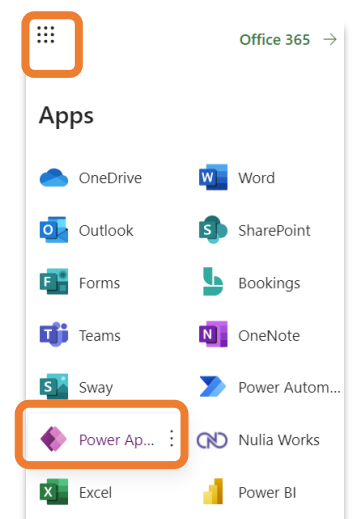
13. Connect to 'OneDrive' and upload the Excel File.

14. Refer to Skillsheet for Step by Step >> [Click here](#)



Connecting to PowerApps

15. Click on **AppLauncher** and **Login to PowerApps**





Connecting to static Excel Spreadsheets

16. Create a **New App** with **OneDrive for Business** template, as I uploaded the Excel to OneDrive.

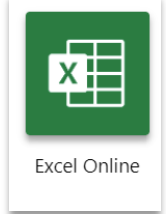
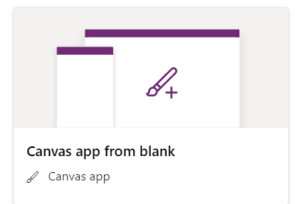
Note: Its not necessary that you should pick 'OneDrive for Business' template, you can even create:

a 'Blank app' and create 'OneDrive' connection

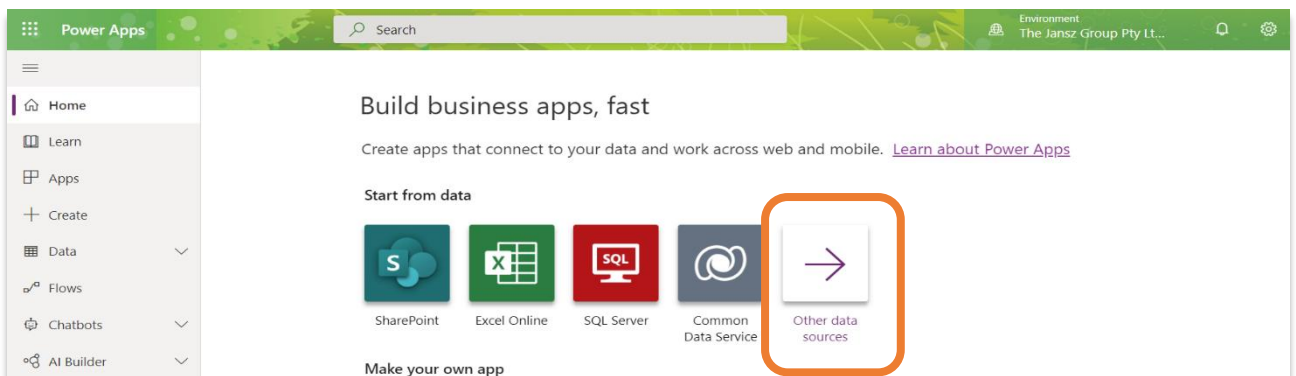
or

Excel Online Connection

Make your own app



17. On **Home** Tab, Select **Other data Sources**

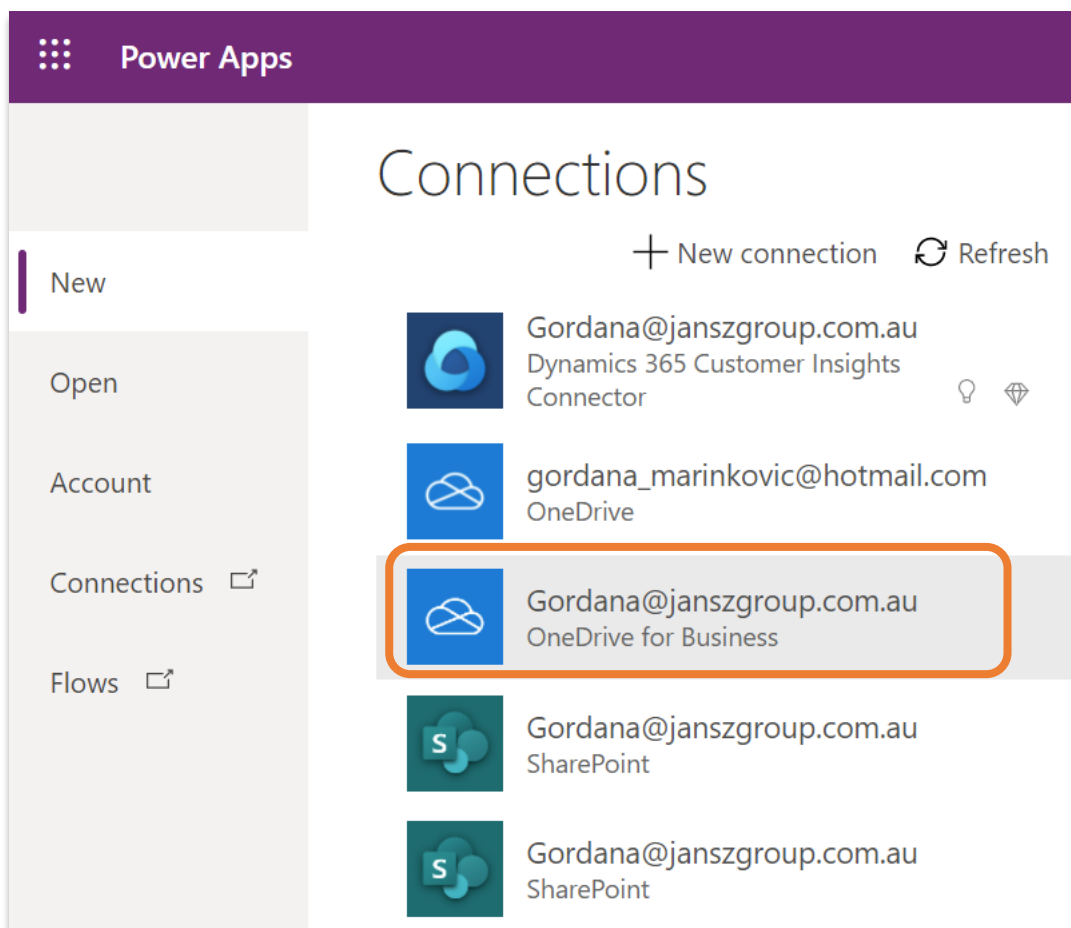




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18. Click **OneDrive for Business** to establish App's connection with 'OneDrive For Business'.

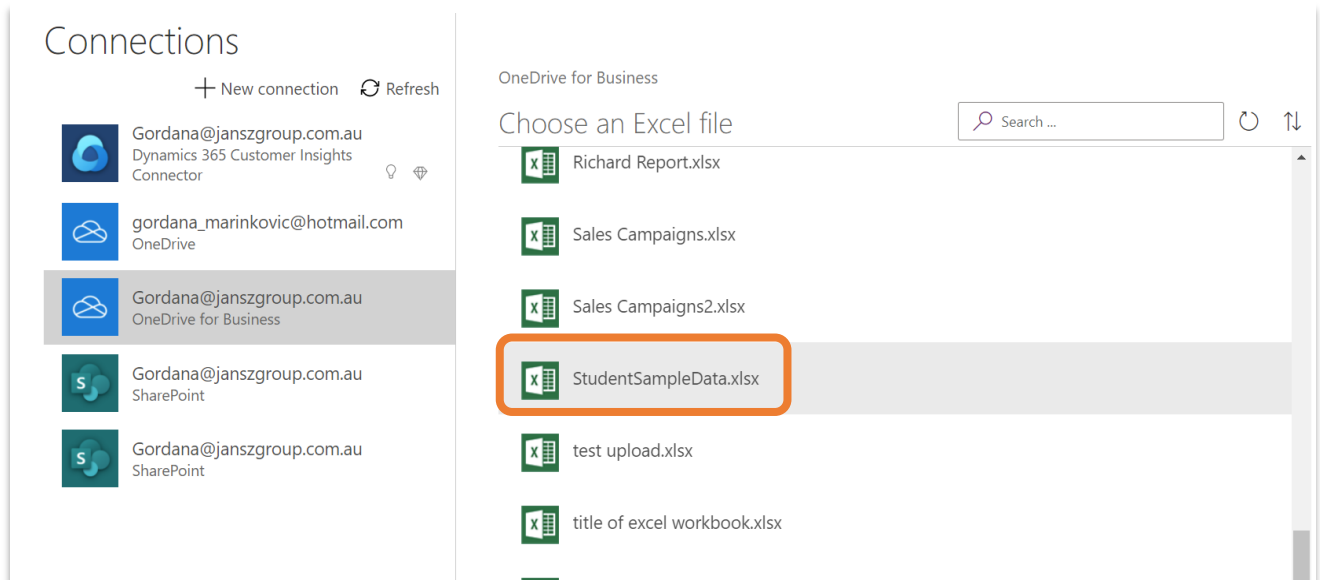
*Note: If not in List select **New Connection** and Navigate to OneDrive for business connection*



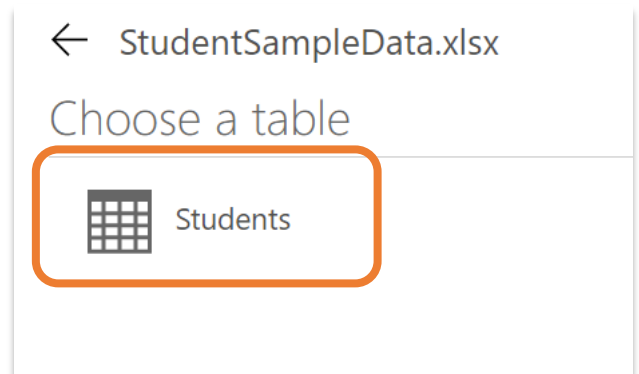


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19. Choose the Excel file



20. Select the **Table**. This table **Student** is nothing but the table name we given in 'Excel sheet'.



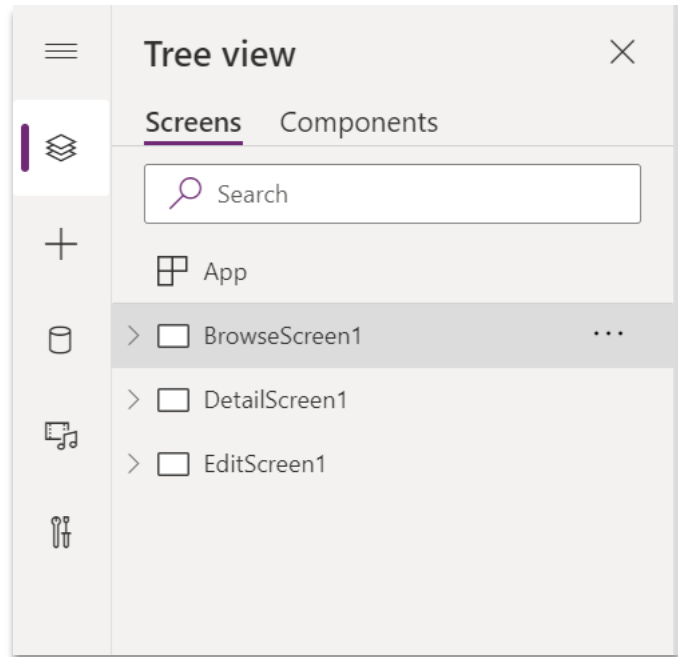
21. Click **Connect**

Connect

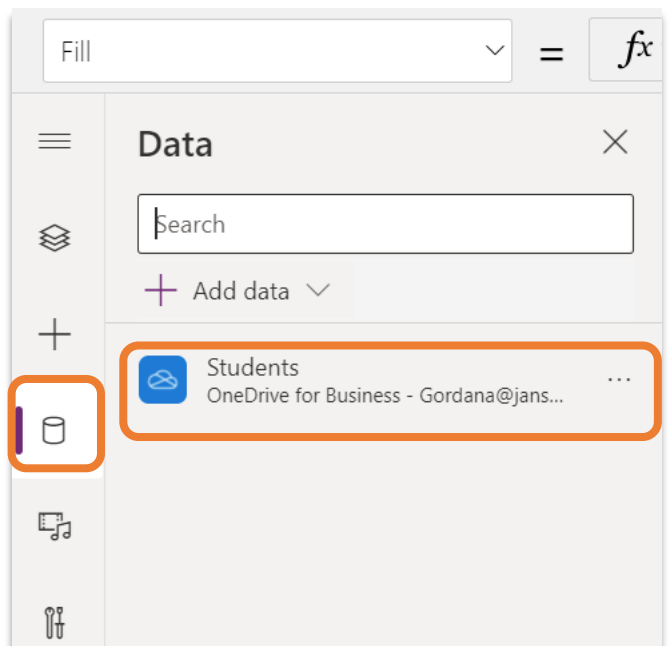


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22. Now you would experience the power of Power Apps as it instantly come up with User Interface using the excel data. App auto create 3 screens for **Browse Screen, Details Screen and Edit Screen.**



23. You can view connection created by clicking on **Data**



24. The **Table** you connected to will be displayed

25. Finally, click **Preview the App** or press F5 on keyboard

