

How to: Access Oracle DB in Power BI

Make sure you have a gateway set

The screenshot shows the Microsoft Learn page for 'On-premises data gateway'. The page is titled 'On-premises data gateway' and includes a navigation pane on the left with links to 'On-premises data gateways docs', 'Concepts', 'How to', 'Install gateways', 'Configure gateways', 'Manage gateways', 'Plan, scale, and maintain business-critical gateway clusters', 'Troubleshoot the on-premises data gateway', 'Monitor and optimize gateway performance', 'Reference', and 'Resources'. The main content area shows the status of the gateway: 'The gateway DWPRD01 is online and ready to be used.' It also displays the gateway version number (3000.182.4 (July 2023)) and a checkbox for 'Help us improve the on-premises data gateway by sending usage information to Microsoft.' Below this, there are three sections: 'Logic Apps, Azure Analysis Services' (Southeast Asia), 'Power Apps, Power Automate' (Southeast Asia), and 'Power BI' (Default environment), all of which are marked as 'Ready'. On the right side, there are 'Additional resources' including 'Documentation', 'Use the on-premises data gateway app', 'Manage an on-premises data gateway', and 'Troubleshoot the on-premises data gateway'.

Go to Power BI in office.com

Create a workspace (in this example, OracleMPDData is created)

The screenshot shows the Power BI workspace 'OracleMPDData'. The workspace is empty, displaying a large paperclip icon and the message 'There's nothing here yet'. Below the message, it says 'Add something new, or upload something to see them here.' The left sidebar shows the 'Workspaces' section with 'OracleMPD Data' selected. The top bar includes a search bar, a 'New' button, and various icons for 'Upload', 'Create app', and 'Manage access'. The right side of the top bar shows a trial status of '42 days left' and a user profile icon.

Create a dataflow

The screenshot shows the Power BI interface for the workspace 'OracleMPDData'. The 'New' dropdown menu is open, displaying options: Report, Paginated report, Scorecard, Dashboard, Dataset, Dataflow (highlighted), and Streaming dataset. The 'Dataflow' option is selected, and a table of existing dataflows is visible in the background.

	Type	Owner	Refreshed	Next refresh	Endorsement
	Dataflow	Clifford Delacruz	9/6/23, 6:21:41 PM	N/A	—
	Dataflow	Clifford Delacruz	9/6/23, 5:10:31 PM	N/A	—
	Dataflow	Clifford Delacruz	9/6/23, 2:56:55 PM	N/A	—
	Dataflow	Clifford Delacruz	9/6/23, 9:39:47 AM	N/A	—
2023_MPR_DETAIL	Dataflow	Clifford Delacruz	9/7/23, 10:32:35 AM	9/8/23, 9:30:00 AM	—

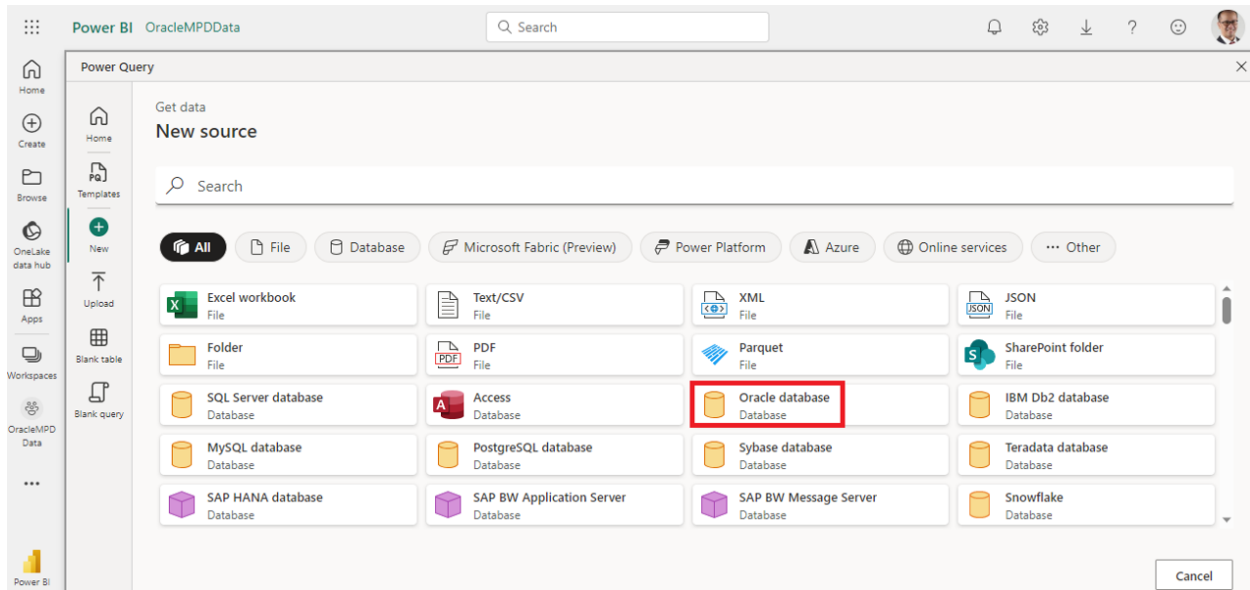
Select “Add new tables”

The screenshot shows the 'Start creating your dataflow' page in Power BI. There are four main options: Define new tables, Link tables from other dataflows, Import Model, and Attach a Common Data Model folder (preview). The 'Add new tables' button under 'Define new tables' is highlighted with a red rectangle.

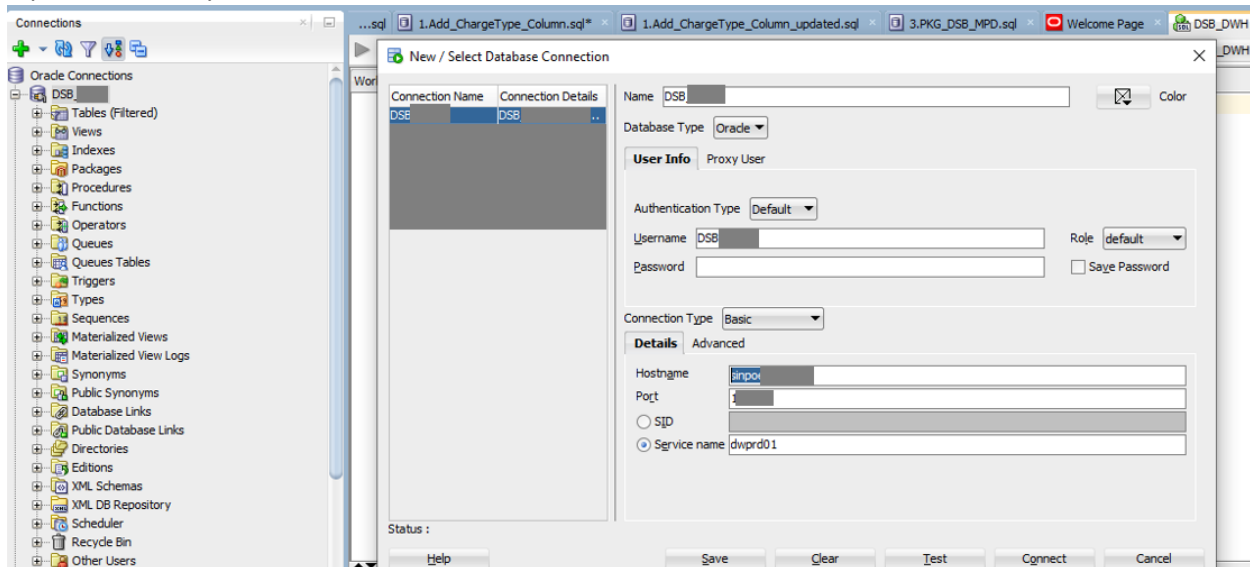
Start creating your dataflow

- Define new tables**
Choose a data source to define the tables for your dataflow. You can map your data to [standard Common Data Model](#) tables, or define custom tables instead. [Learn more](#)
Add new tables
- Link tables from other dataflows**
Linking to tables from other dataflows reduces duplication and helps maintain consistency across your organization. [Learn more](#)
Add linked tables
- Import Model**
Choose a dataflow model to import into your workspace. [Learn more](#)
Import model
- Attach a Common Data Model folder (preview)**
Attach a Common Data Model folder from your Azure Data Lake Storage Gen2 account to a new dataflow, so you can use it in Power BI. [Learn more](#)
Create and attach

Select Oracle database



Input the server you need to connect to.



Power BI OracleMPDData

Power Query

Get data

Connect to data source

Oracle database
Database
[Learn more](#)

> Advanced options

Connection credentials

Connection
sinpoed[redacted]dwprd01 ([On-premises...])

Connection name
sinpoed[redacted]dwprd01

Data gateway
[On-premises] DWPRD01

Authentication kind
Basic

Username
DS[redacted]

Password

indicate the host name, port, and service name

Indicate the user name and password to the database service

Next screen, select the database and table you need to connect. Proceed and click “Transform data”.

Power BI OracleMPDData

Power Query

Get data

Choose data

Search

MPR_DETAIL

Display options

- ☐ MPR_ADMIN_SIMU_UNE...
- ☐ MPR_ADMIN_TGT_MACH...
- ☒ MPR_DETAIL
- ☐ MPR_DETAIL_AAJ
- ☐ MPR_DETAIL_AAK
- ☐ MPR_DETAIL_ACB
- ☐ MPR_DETAIL_AQA
- ☐ MPR_DETAIL_AQW
- ☐ MPR_DETAIL_ASH
- ☐ MPR_DETAIL_ASN
- ☐ MPR_DETAIL_ASP
- ☐ MPR_DETAIL_BK

Select related tables

Back Memory: 240.6 MB Cancel Transform data

Perform necessary cleaning and transformation

Power BI OracleMPDData

Search

Power Query

Home Transform Add column View Help

Get data Enter data Manage connections Options Manage parameters Refresh Properties Advanced editor Manage Query Choose columns Remove columns Keep rows Remove rows Filter rows Sort Transform Combine Map to entity CDM AI insights Export template

Queries [1]

MPR_DETAIL

Table.SelectColumns(#"Navigation 1", {"IB_PK", "SERIAL_NUMBER", "MODEL_SERIAL", "MACHINE_STATUS", "ACCOUNTING_MONTH", "ACCOUNTING_MONTH_DT", "IS_CONTRACT_MIF", "IS_MIF", "COMPANY_CODE", "GLOBAL_CPNY_NM", "CUSTOMER_NUMBER", "CUSTOMER_NAME", "IB_DIVISION", "MODEL", "CONTRACT_TYPE", "AM_CLICK_CHARGE", "TOTAL_CV", "MMC", "SPAREPART_REPLACED", "SPAREPART_COST", "DRUM_REPLACED",

Columns: 67 Rows: 99+

Query settings

Properties

Name

MPR_DETAIL

Entity type

Custom

Applied steps

Source Navigation Navigation 1 Choose col... Filtered rows

Cancel Save & close

Save and refresh the dataflow

Power BI OracleMPDData

Search

OracleMPDData

MPD Oracle data

+ New Upload Create app Manage access

Filter by keyword

Name	Type	Owner	Refreshed	Next refresh	Endorsement
2019_MPR_DETAIL	Dataflow	Clifford DelaCruz	9/6/23, 6:21:41 PM	N/A	—
2020_MPR_DETAIL	Dataflow	Clifford DelaCruz	9/6/23, 5:10:31 PM	N/A	—
2021_MPR_DETAIL	Dataflow	Clifford DelaCruz	9/6/23, 2:56:55 PM	N/A	—
2022_MPR_DETAIL	Dataflow	Clifford DelaCruz	9/6/23, 9:39:47 AM	N/A	—
2022_MPR_DETAIL_SELECTED	Dataflow	Clifford DelaCruz	9/7/23, 7:44:46 PM	N/A	—
2023_MPR_DETAIL	Dataflow	Clifford DelaCruz	9/7/23, 10:32:35 AM	9/8/23, 9:30:00 AM	—