Power BI Gateways - Explained Simply

A Data Gateway in Power BI is a bridge that connects your on-premises data (like SQL Server, Excel, Oracle, etc. stored on your local server) to the Power BI cloud service. Without it, Power BI service (cloud) can’t access your local data.

Configure the Date Gateway in Power BI Service:

1. Go to [app.powerbi.com](http://app.powerbi.com)
2. Open workspace where your published your report.
3. Go to **More Options** next to Dataset → Settings
4. Under gateway connection → Use a data gateway (Make it ON)
5. Select a personal gateway
6. Set authentication method
7. Click Apply

Schedule a Refresh:

1. Dataset → Settings
2. Go to **Scheduled Refresh** (Turn it ON)
3. Set frequency, Set timezone
4. Save the settings

SQL extra

Subqueries and their types:

1. Single Row Subquery: Return only one row of data.

Ex:

Select name, salary

From Employees

Where salary > (Select AVG(salary) From Employees)

1. Multiple Row Subquery: Returns more than one row.
2. Correlated Subquery: A subquery that references columns from the outer query.