

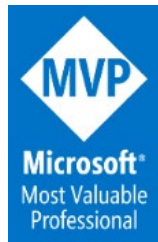
# Intro a XMLA Endpoints en Power BI



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Argentina Edition  
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# Agenda

- Conceptos
- Modelos SSAS
- XMLA Endpoints



# Conceptos

Task Manager							
File Options View							
Processes Performance App history Startup Users Details Services							
Name	Stat...	21% CPU	46% Memory	1% Disk	1% Network	15% GPU	GPU engine
> Google Chrome (42)		0.1%	2,125.8 MB	0 MB/s	0 Mbps	0%	
> Microsoft Edge (9)		0%	119.1 MB	0 MB/s	0 Mbps	0%	
> Microsoft Outlook		0.2%	190.2 MB	0.1 MB/s	0 Mbps	0.6%	GPU 0 - 3D
> Microsoft PowerPoint		0.2%	208.3 MB	0 MB/s	0 Mbps	0%	
> Microsoft Teams (7)		4.7%	983.7 MB	0.1 MB/s	0 Mbps	8.3%	GPU 0 - 3D
▼ Power BI Desktop (10)		0.3%	1,061.6 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0%	120.7 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0%	6.9 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0%	4.5 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0%	77.7 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0%	74.3 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0.1%	189.5 MB	0 MB/s	0 Mbps	0%	
CefSharp.BrowserSubprocess		0%	17.7 MB	0 MB/s	0 Mbps	0%	
Console Window Host		0%	6.0 MB	0 MB/s	0 Mbps	0%	
Microsoft SQL Server Analysis Services		0%	205.1 MB	0 MB/s	0 Mbps	0%	
Untitled - Power BI Desktop		0.1%	359.2 MB	0 MB/s	0 Mbps	0%	

^ Fewer details End task



# Conceptos

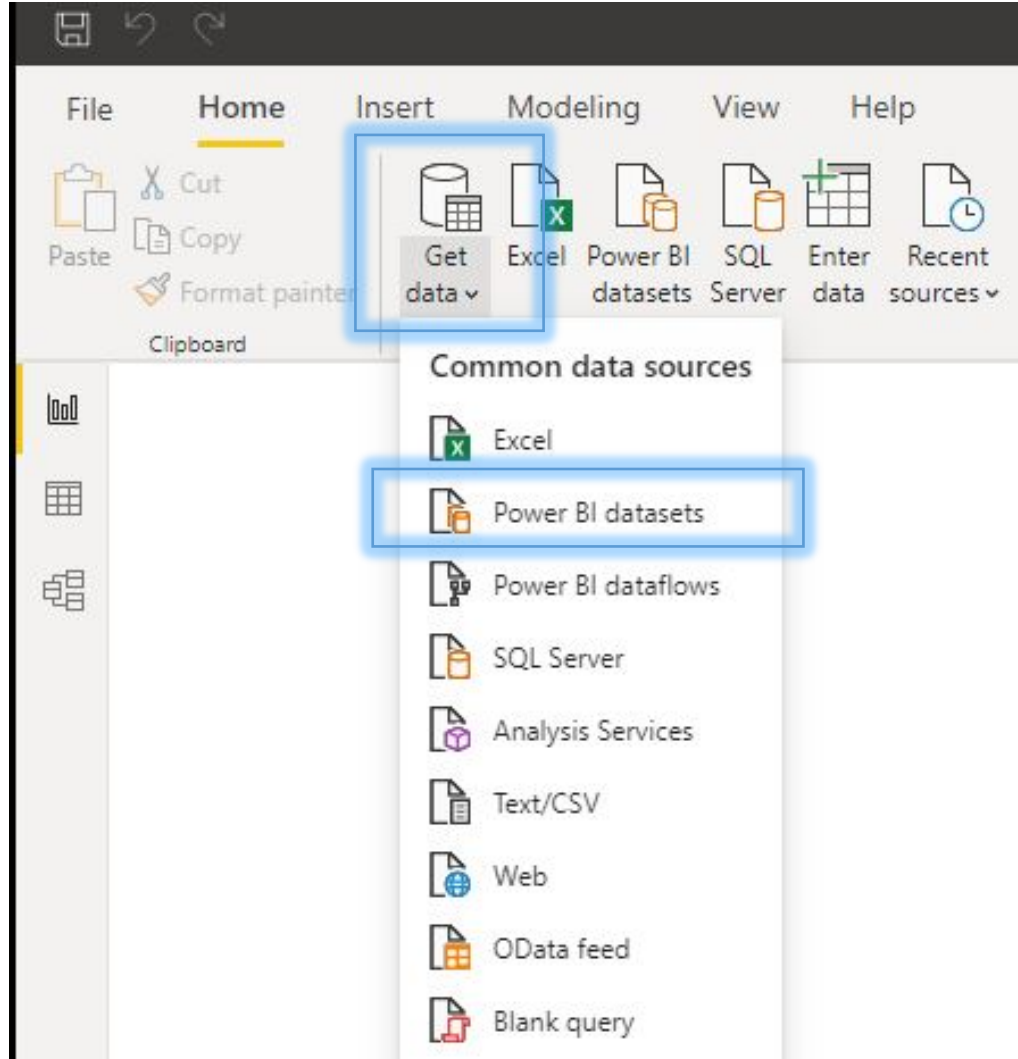
The screenshot displays the Microsoft Power BI web application interface. On the left is a dark navigation pane with options like Home, Favorites, Recent, Apps, Shared with me, Deployment pipelines, and Workspaces. The main area shows a search bar and a list of reports under the 'Reports' tab, which is highlighted with a blue box. The reports list includes 'AdventureWorks Data', 'AdventureWorks Dataset', 'Paginated Sample', and 'Power BI\_Azure-Cognitive-Services\_Image Analysis'. Each report row has columns for 'NAME', 'ACTIONS', 'OWNER', and 'INCLUDED IN APP'.

NAME	ACTIONS	OWNER	INCLUDED IN APP
AdventureWorks Data	[Icons]	QAPowerBI	Yes
AdventureWorks Dataset	[Icons]	QAPowerBI	Yes
Paginated Sample	[Icons]	QAPowerBI	Yes
Power BI_Azure-Cognitive-Services_Image Analysis	[Icons]	QAPowerBI	No





# Conexion a Datasets



# Admin - XMLA

## Admin portal

Usage metrics

Users

Audit logs

Tenant settings

Capacity settings

Embed Codes

Organization visuals

Dataflow settings

Workspaces

### MORE OPTIONS

#### Workloads

**AI (PREVIEW)** - Active

Your workload is ready to use.

☒ On

Max Memory (%)

20

Allow usage from Power BI Desktop

☐ Off

**DATASETS (PREVIEW)** - Active

Your workload is ready to use.

☒ On

XMLA Endpoint

1

Minimum refresh interval

5 Minutes ▾

XMLA Endpoint

Read Write ▾

Off

Read Only

Read Write

Max Memory (%)

70



# XMLA Endpoint URL

## Settings

QAPowerBI

About

Premium

Dedicated capacity ⓘ

☒ On

Choose an available dedicated capacity for this workspace

Innovation - West US

Workspace Connection

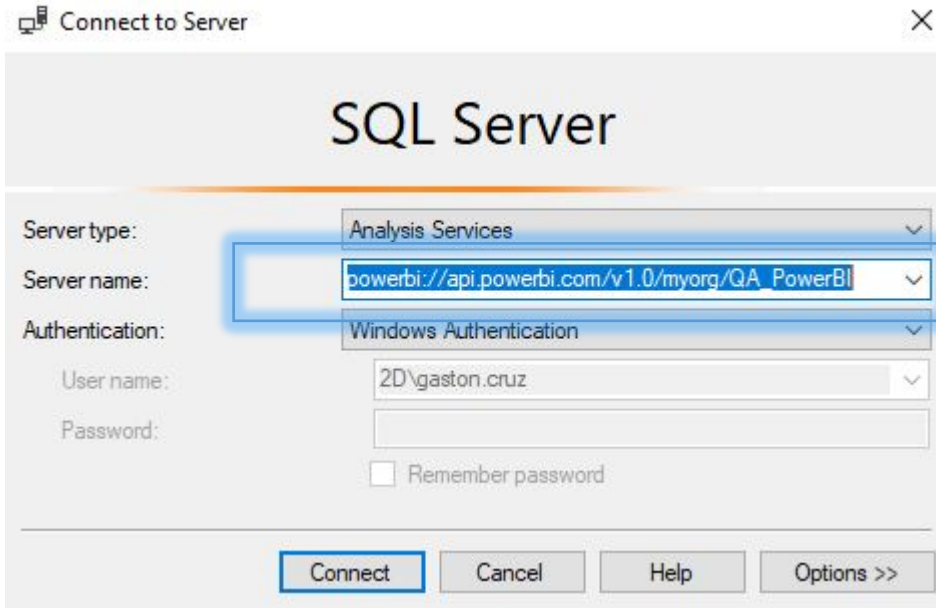
powerbi://api.powerbi.com/v1.0/myorg/QAPowerBI

Copy

Copied to clipboard.

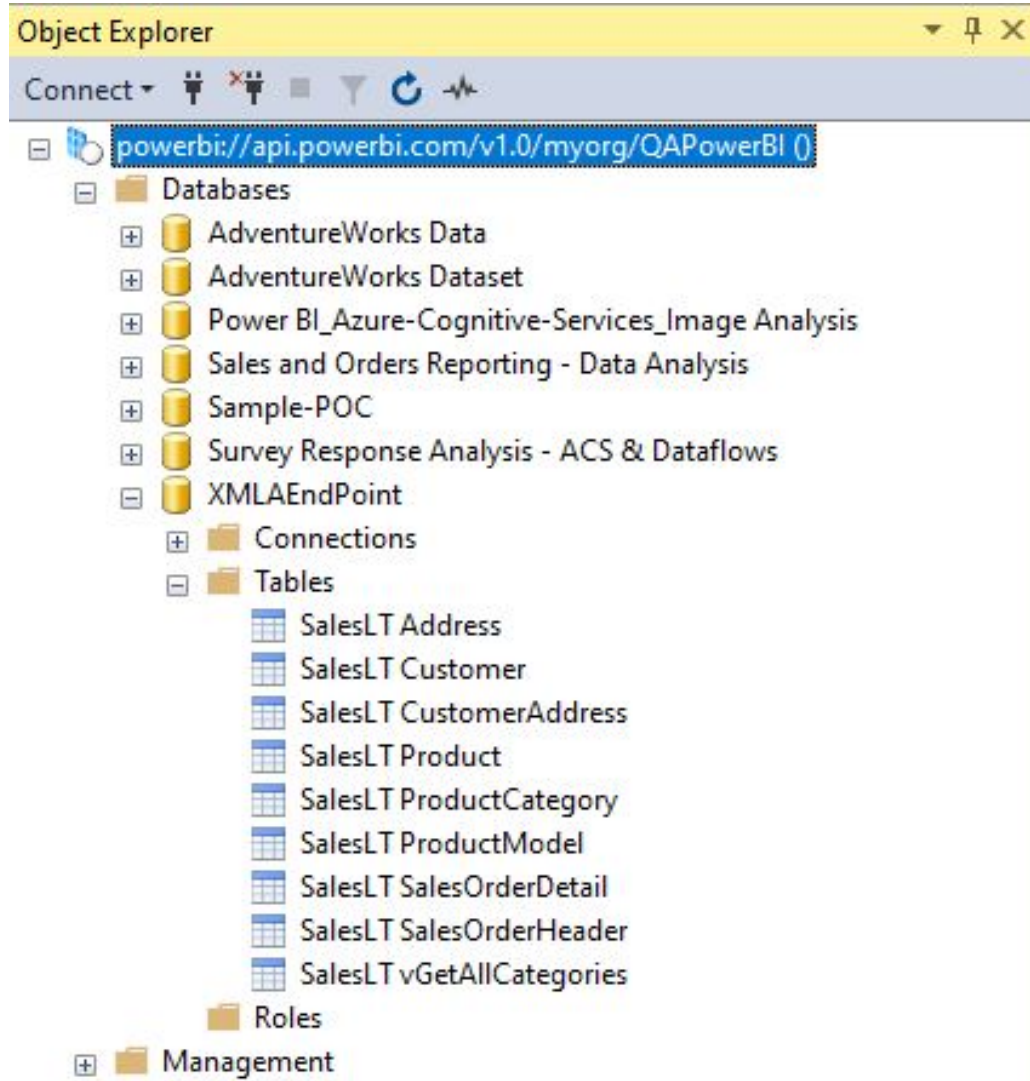


# Conexion XMLA





# Conexion XMLA



# Accediendo a SSAS / DMVs

MDXQuery1.mdx - powerbi://api.powerbi.com/v1.0/myorg/QAPowerBI.XMLAEndPoint (2D\gaston.cruz)\* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

XMLAEndPoint Execute

Object Explorer

Connect powerbi://api.powerbi.com/v1.0/myorg/QAPowerBI ()

Databases

- AdventureWorks Data
- AdventureWorks Dataset
- Power BI\_Azure-Cognitive-Services\_Image Analysis
- Sales and Orders Reporting - Data Analysis
- Sample-POC
- Survey Response Analysis - ACS & Dataflows
- XMLAEndPoint
  - Connections
  - Tables
    - SalesLT Address
    - SalesLT Customer
    - SalesLT CustomerAddress
    - SalesLT Product
    - SalesLT ProductCategory
    - SalesLT ProductModel
    - SalesLT SalesOrderDetail
    - SalesLT SalesOrderHeader
    - SalesLT vGetAllCategories
- Roles
- Management

Model

Metadata Functions

Search Model

Measure Group: <All>

Model

- Measures
- KPIs
- SalesLT Address
- SalesLT Customer
- SalesLT CustomerAddress
- SalesLT Product
- SalesLT ProductCategory
- SalesLT ProductModel
- SalesLT SalesOrderDetail
- SalesLT SalesOrderHeader
- SalesLT vGetAllCategories

Select \* from \$System.discover\_sessions

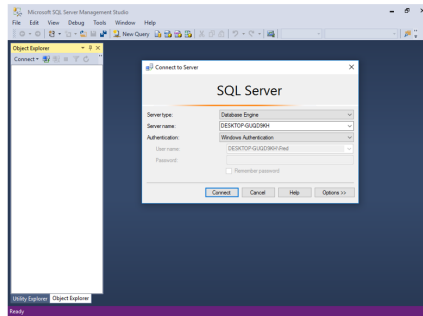
100 %

Messages Results

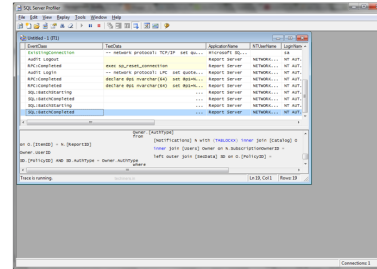
SESSION_ID	SESSION_SPID	SESSION_CON...	SESSION_USE...	SESSION_CUR...	SESSION_USE...	SESSION_PRO...	SESSION_STA...	SESSION_ELAP...	SESSION_LAST...	SESSION_LAST...	SESSION_LAST...	SE
010E27DD-B7D...	10959	459	gaston.cruz@el...	XMLAEndPoint	0		5/22/2020 9:32...	30710	5/22/2020 9:32...	5/22/2020 9:32...	0	27
E56A6F7A-8ED...	10958	459	gaston.cruz@el...	XMLAEndPoint	0		5/22/2020 9:32...	31330	5/22/2020 9:32...	5/22/2020 9:32...	234	0
F46DA640-EBD...	9348	407	NT AUTHORIT...	XMLAEndPoint	3		5/22/2020 9:12...	1198357	5/22/2020 9:12...	5/22/2020 9:12...	0	11



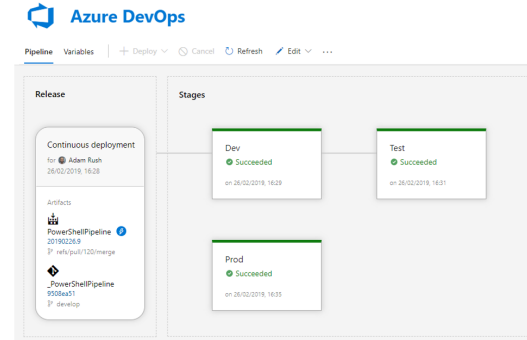
# Enterprise Data Analytics



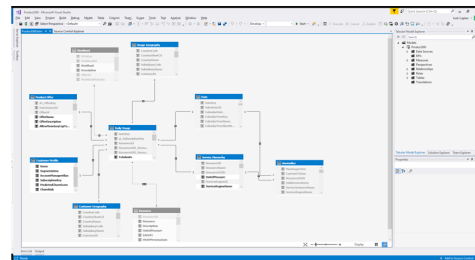
SQL Server Management Studio for **management**



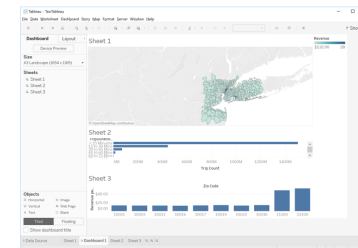
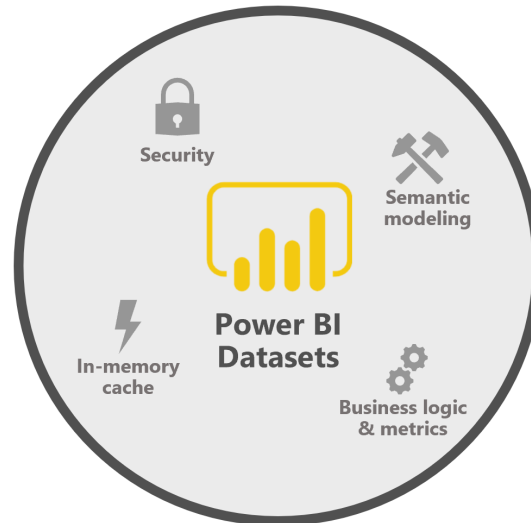
SQL Server Profiler for **debugging**



Azure DevOps for **source control & CI/CD**



SQL Server Data Tools for **modeling**



Data visualization including **non-Microsoft** tools



# Implementando Modelos con Visual Studio Data Tools

The screenshot displays the Microsoft Visual Studio interface for the 'XMLEndPoint Premium' project. The main window shows a data table with columns: SalesOrderID, SalesOrderDetailID, OrderQty, Prod..., UnitPrice, UnitPriceDiscount, LineTotal, rowguid, ModifiedDate, and Add Column. The 'XMLEndPoint Premium Property Pages' dialog box is open, showing the 'Deployment' tab. The 'Server' field is highlighted with a blue box and contains the text 'powerbi://api.powerbi.com/v1.0/myorg/QAPowerBI'. The 'Database' field is set to 'XMLEndPoint' and the 'Model Name' is 'Model'. The 'Solution Explorer' on the right shows the project structure for 'XMLEndPoint Premium' (1 project), including 'References' and 'Model.bim'. The 'Properties' window at the bottom right shows the 'XMLEndPoint Premium' project properties, including the project file 'XMLEndPoint Premium.smproj' and the project folder path 'C:\Users\gaston.cruz\source\repos\XMLEndP...'. The 'Output' window at the bottom left shows the 'Show output from:' dropdown and the 'Web Publish Activity' tab.

SalesOrderID	SalesOrderDetailID	OrderQty	Prod...	UnitPrice	UnitPriceDiscount	LineTotal	rowguid	ModifiedDate	Add Column
71774	110562	1	836	\$356.90	\$0.00	356.898	E3A1994...	6/1/2008 12:0...	
71774	110563	1	822	\$356.90	\$0.00	356.898	SC77F55...	6/1/2008 12:0...	
71776	110567	1	907	\$63.90	\$0.00	63.9	60BFE39...	6/1/2008 12:0...	
71780	110616	4	905	\$218.45	\$0.00	873.816	377246C...	6/1/2008 12:0...	
71780	110617	2	983	\$461.69	\$0.00	923.388	43A54BC...	6/1/2008 12:0...	
71780	110619	2	748	\$918.70	\$0.00	1637.4	812F003...	6/1/2008 12:0...	
71780	110620	1	990	\$323.99	\$0.00	323.994	F117A44...	6/1/2008 12:0...	
71780	110621	1	926	\$149.87	\$0.00	149.874	92E5052B...	6/1/2008 12:0...	
71780	110622	1	743	\$809.76	\$0.00	809.76	88D33BE...	6/1/2008 12:0...	





# Gracias! Nos vemos pronto!



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