XMLA endpoint
Power BI open-platform connectivity
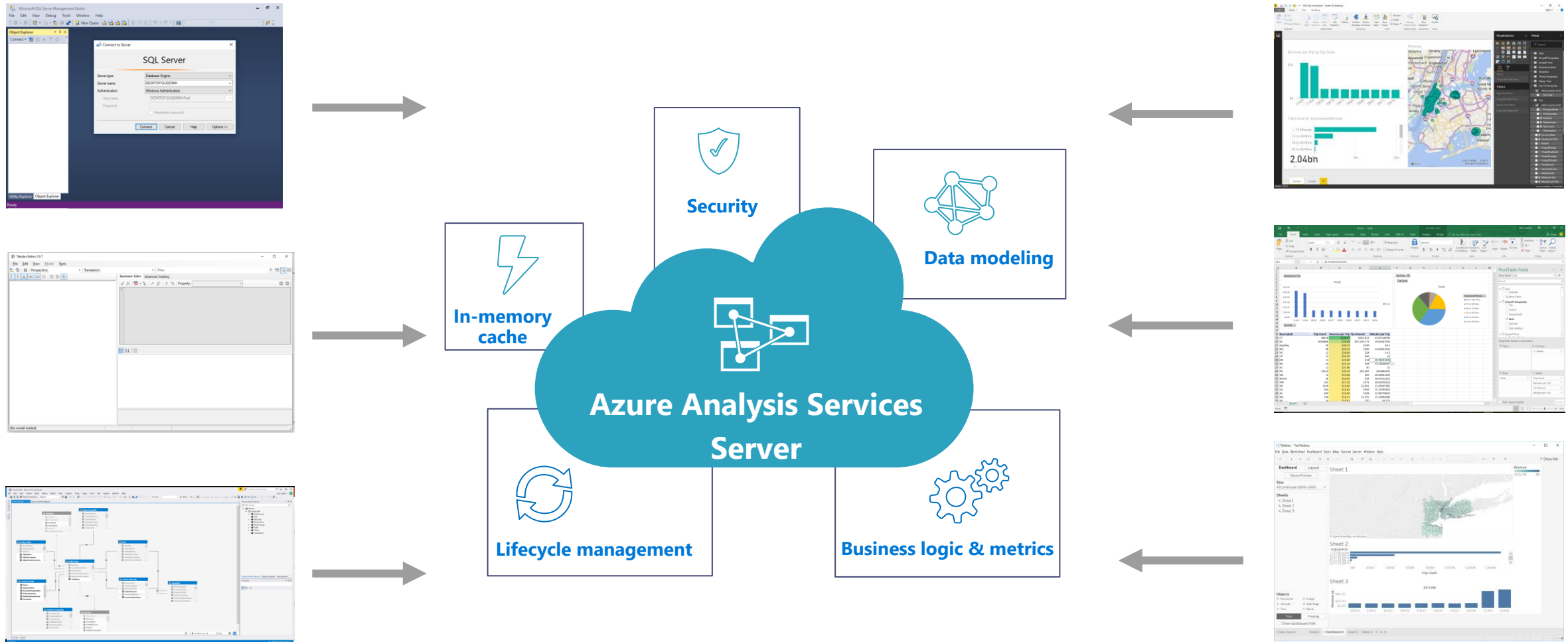
What is the XMLA read/write endpoint?

▸ XMLA is the same protocol used for managing SQL Server Analysis Services and Azure Analysis Services models, a variety of Microsoft and third-party tools can be used with Power BI datasets

▸ Additional scenarios for dataset management, advanced semantic modeling, debugging and monitoring

▸ Power BI to support self-service and IT-managed enterprise data models on a single, all-inclusive platform

▸ Preview feature! General availability planned for September 2020.

▸ Requires dedicated capacity!

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Connectivity: Analysis Services

Azure Analysis Services Server

- Security
- Data modeling
- In-memory cache
- Lifecycle management
- Business logic & metrics

Connectivity: Power BI Premium

Security

Data modeling

In-memory cache

Workspace

Lifecycle management

Business logic & metrics

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Power BI dedicated capacity

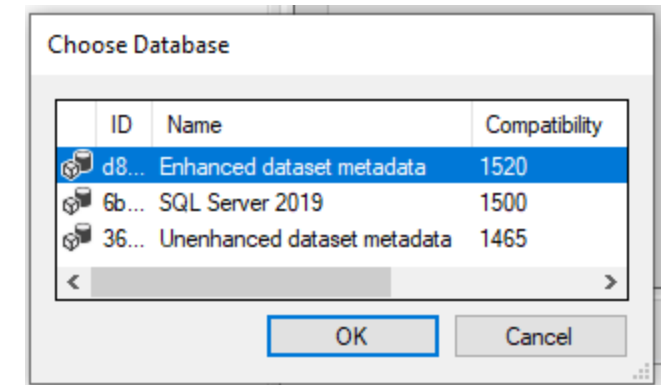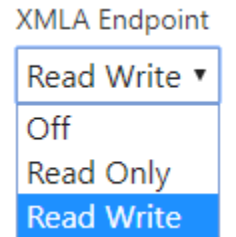|	A SKU	P SKU
Product	Power BI Embedded	Power BI Premium
Purchase	Azure portal	Office 365
Use cases	• Share content with Power BI free users outside the Power BI portal (embedding). • Capacity testing purposes	• Same as A SKU, plus: • Share content with Power BI free users through the Power BI portal and Power BI mobile app
Billing	Hourly	Monthly
Commitment	None	Monthly/Yearly
Difference	Full elasticity: scale up, scale down, pause, resume. REST API with PowerShell and Microsoft Automate.	Combine embedding in apps, and use the Power BI Service in the same capacity. Power BI Report Server included.

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Power BI dedicated capacity pricing

	A SKU	P SKU		Virtuel cores	RAM (GB)	LC/DQ con. (per sec)	Model Refresh Parallelism
A1	~$750			1	3	3,75	1
A2	~$1.500			2	5	7,5	2
A3	~$3.000			4	10	15	3
A4	~$6.000	P1	~$5.000	8	25	30	6
A5	~$12.000	P2	~$10.000	16	50	60	12
A6	~$24.000	P3	~$20.000	32	100	120	24

Price is per month. A SKU has full elasticity – only pay per hour!

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Demo: Deployment with XMLA endpoint

▸ Create Power BI Embedded capacity (A SKU)
▸ Get connection string to workspace
▸ Live connect to dataset with Tabular Editor
▸ Deploy a saved model to the Power BI Service
▸ Automating the deployment process

XMLA Endpoint

Read Write ▾

Off
Read Only
Read Write

Choose Database

	ID	Name	Compatibility
	d8...	Enhanced dataset metadata	1520
	6b...	SQL Server 2019	1500
	36...	Unenhanced dataset metadata	1465

OK   Cancel

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Ressources

- https://powerbi.microsoft.com/en-us/blog/announcing-read-write-xmla-endpoints-in-power-bi-premium-public-preview/
- https://aka.ms/XmlaEndpoint
- https://justb.dk/blog/2020/04/use-cases-for-the-xmla-endpoint/
- https://radacad.com/what-is-the-xmla-endpoint-for-power-bi-and-why-should-i-care

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