Power BI

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What is Power BI?

Power BI a cloud-based business analytics service that is used for **visualizing, exploring and extracting** insights from **data**.

Connect to all the data around you!

- **Connect** to a broad range of data across on-premises and cloud
- **Shape**, **transform**, and **clean** data for analysis
- **Join** and **model** data from multiple data sources and different types
- **Extend** your analysis with support for technologies such as R for advanced analytics

Power BI - Overview

Data sources

- **SaaS solutions**
  E.g. Marketo, Salesforce, GitHub, Google analytics
- **On-premises data**
  E.g. Analysis Services
- **Organizational content packs**
  Corporate data sources, or external data services
- **Azure services**
  E.g. Azure SQL, Stream Analytics
- **Excel files**
  Workbook data or data models
- **Power BI Desktop files**
  Related data from files, databases, Azure, and other sources

Power BI service

- Content packs
- Live dashboards
- Visualizations
- Reports
- Datasets
- Data refresh

Natural language query

Sharing & collaboration

Power BI - Overview

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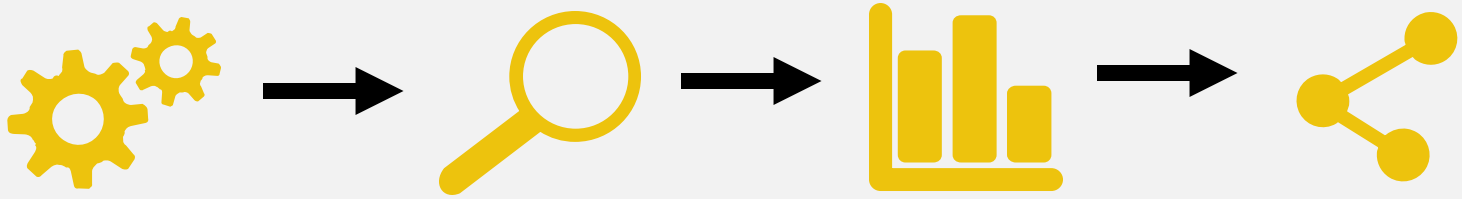
Power BI Desktop

Prepare → **Explore** → **Report** → **Share**



Power BI - Overview

Data sources

Azure services
Azure SQL DB, Azure SQL Data Warehouse

Power BI Embedded

embed, extend, integrate inside your application

This is an Azure Service!

Embedding

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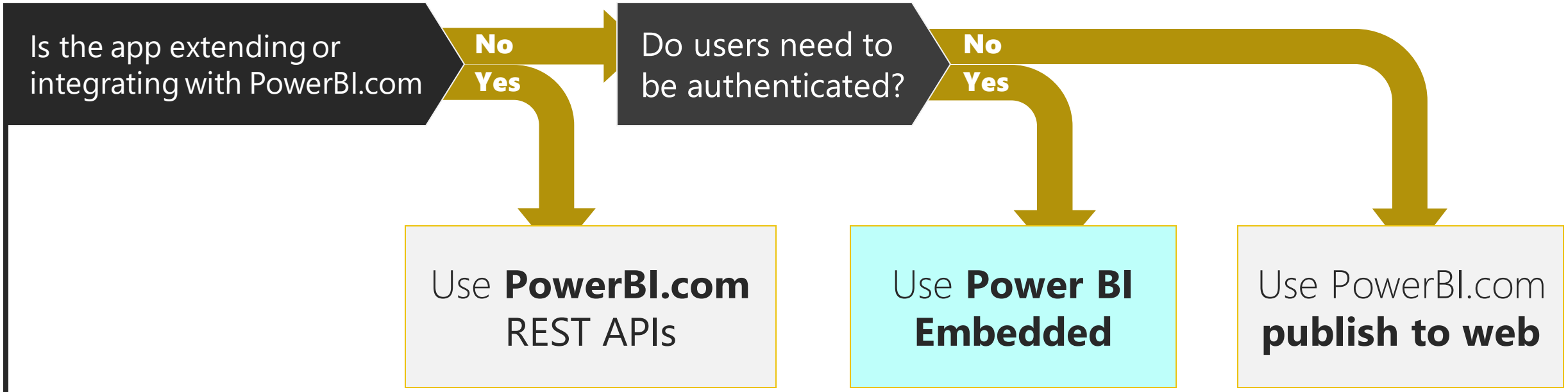
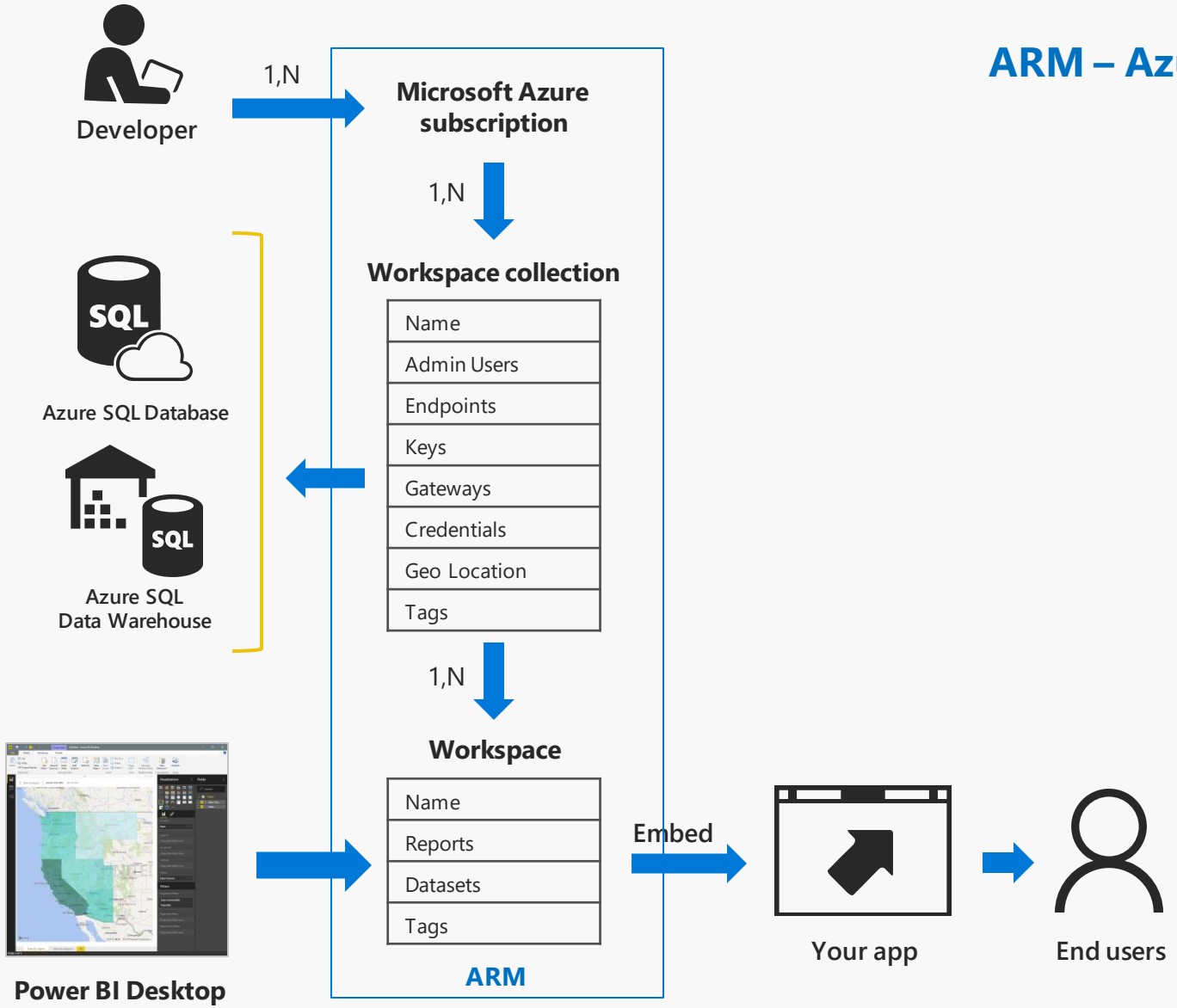
Choose the right Power BI embedding option



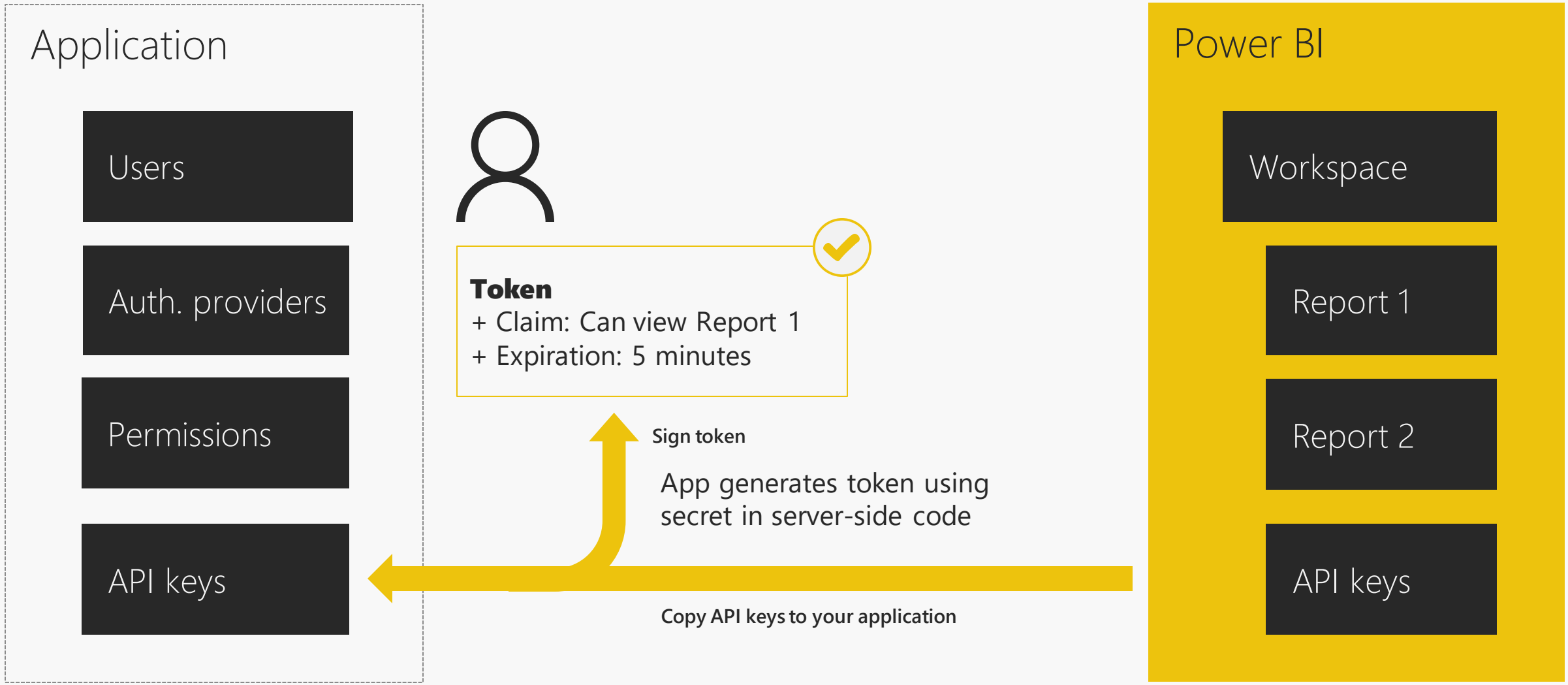
	Use PowerBI.com REST APIs	Use Power BI Embedded	Use PowerBI.com publish to web
Authentication	Via PowerBI.com Azure Active Directory	Via application, using Power BI app tokens	N/A
User licensing	End-User PowerBI.com subscription	Consumption based, via Azure No end-user license required	No end-user license required
Report authoring	Power BI Desktop and Power BI.com subscription	Power BI Desktop	PowerBI.com subscription and/or Power BI Desktop
Learn more	Dev.powerbi.com	https://azure.microsoft.com/en-us/services/power-bi-embedded/	https://powerbi.microsoft.com/en-us/publishtoweb/

Power BI Embedded Conceptual Model

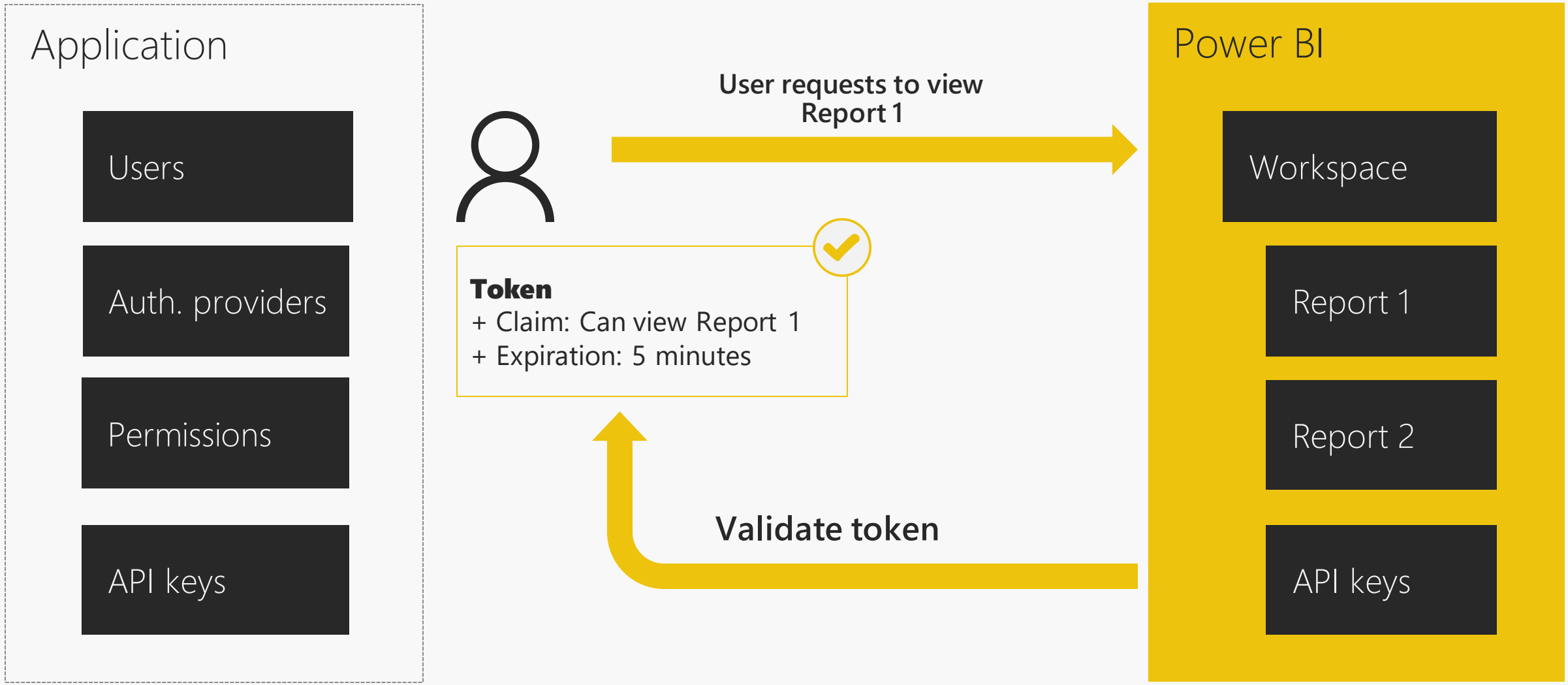


ARM – Azure Resource Management

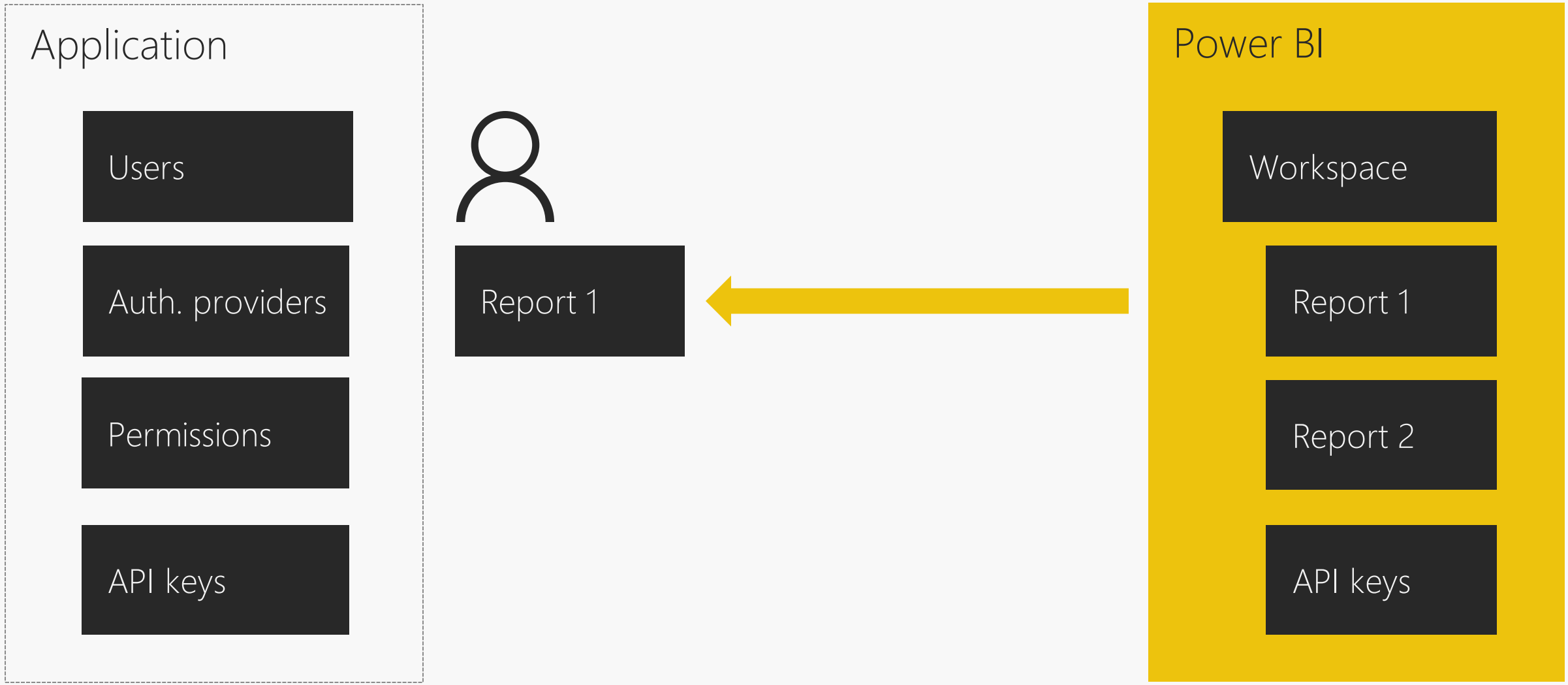
Provide seamless authentication experiences



Provide seamless authentication experiences



Provide seamless authentication experiences



Thank you!

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