

> Draw your own architecture...

Microsoft Azure Cloud and AI Symbol / Icon Set - SVG

– Pointer

[Azure Icons - Azure Architecture Center | Microsoft](#)

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Terms

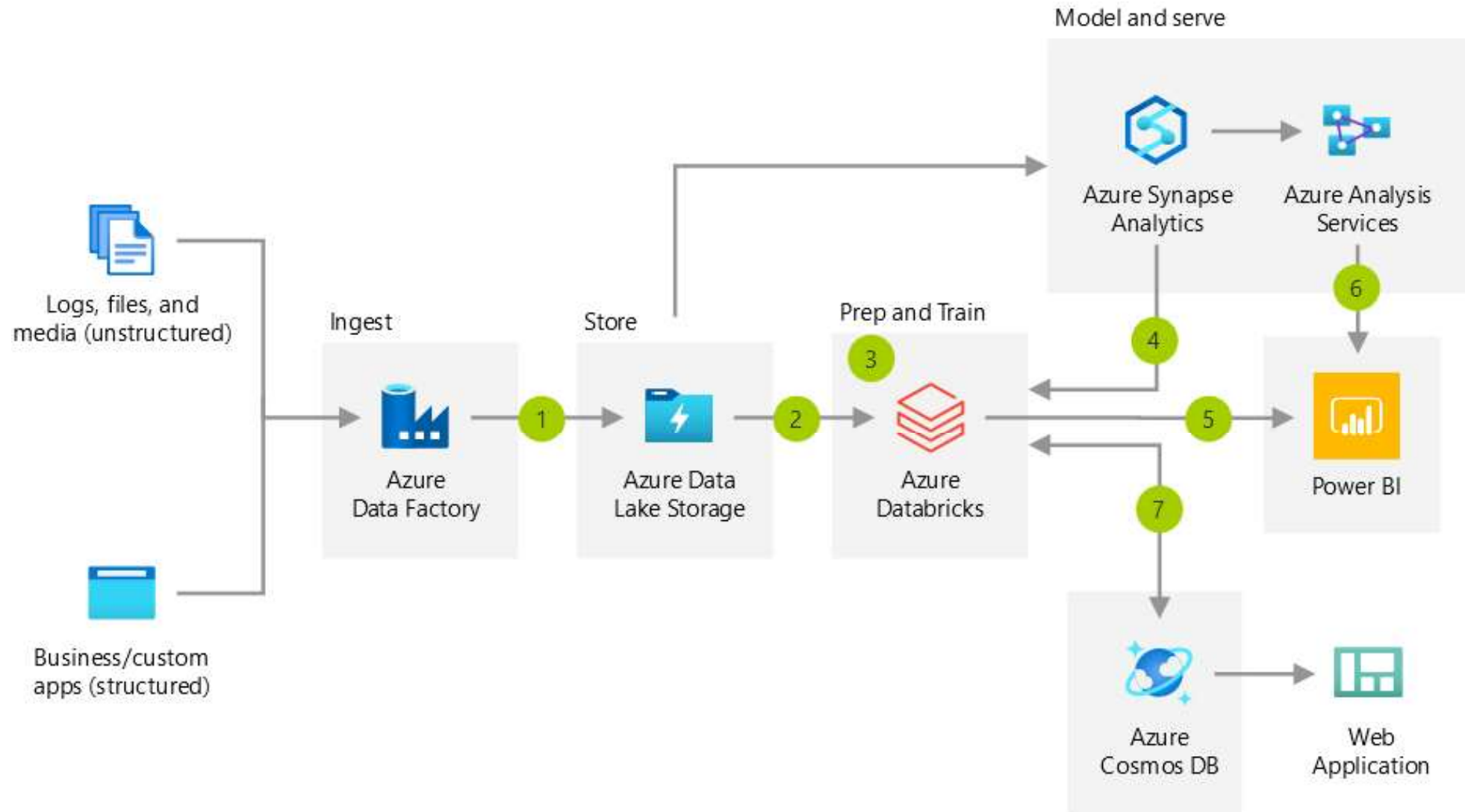
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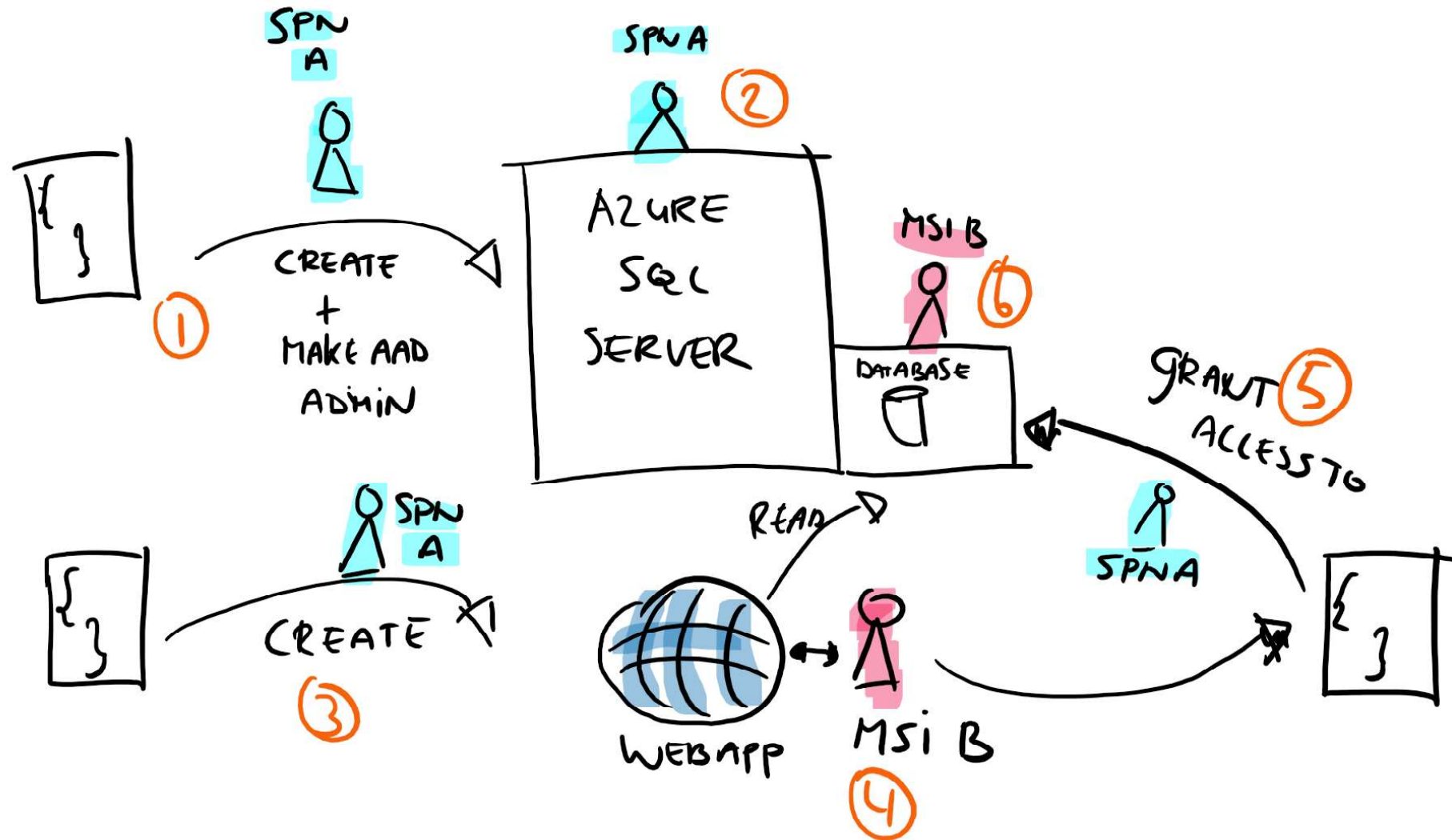
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> Why should you use professional icons?



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Assignment #3

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> #3 Draw your own Architecture

INSTRUCTIONS:

Think about a possible architecture / business needs based on the case detailed in the next slide.

Consider all the data sources and steps to ingest data and to show the visualizations.

- Use PowerPoint or other drawing tool (draw.io)
- <https://app.diagrams.net/> | <https://www.diagrams.net/>
- Use the standard icons for each service available
- Explain why do you select the resource / Clarify your expectations

After you finish your Architecture , please explain why you selected each of the different services and make sure that you draw the arrows showing the data flow.

EVALUATION:

Mark: 5 points

Delivery: PPT OR Video 1-4 minutes (explanations)

Ensure that you recorded yourself explaining your data flow

Ensure that you showed all the performed steps

Data Sources / Data ingestion / Store / Process / Serve

Ensure to explain each resource and why you choose them

Will be considered:

Your results, level of detail and clarity to explain and video quality.

Due date: Week 9 class

SCREENCAST  MATIC

> #3 Draw your own Architecture

SCOPE

The STK company is a brand-new start-up responsible to deliver 95% of all the products sold by Amazon in Canada. This company is using SAP, ORACLE, and Microsoft Dynamics 365 CRM, as the main data sources. The company also has some data stored in a blob storage service on Azure (CSV files and unstructured data).

The main idea is to move ALL the data to a cloud instance (Azure). They need a unique place to store all the data and to help them to explore the data, generating data analysis, and prep the structure for future AI projects.

SOME QUESTIONS

Your architecture should answer questions like:

- How to ingest the data from the different data sources?
- Where to store the data?
- What are the tools to perform data analysis?
- What are the resources you are planning to use for future AI projects?
- Where to process and train your data?
- What are the tools / resources to perform AI models?
- Where are you planning to generate the management data visualization? Dashboards?