Kevin Chant

Spreading your SQL Server wings with Azure Synapse Analytics
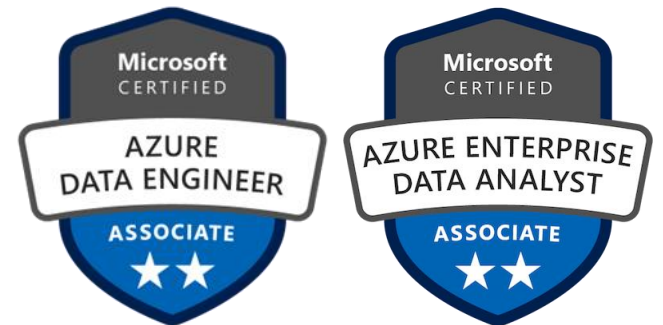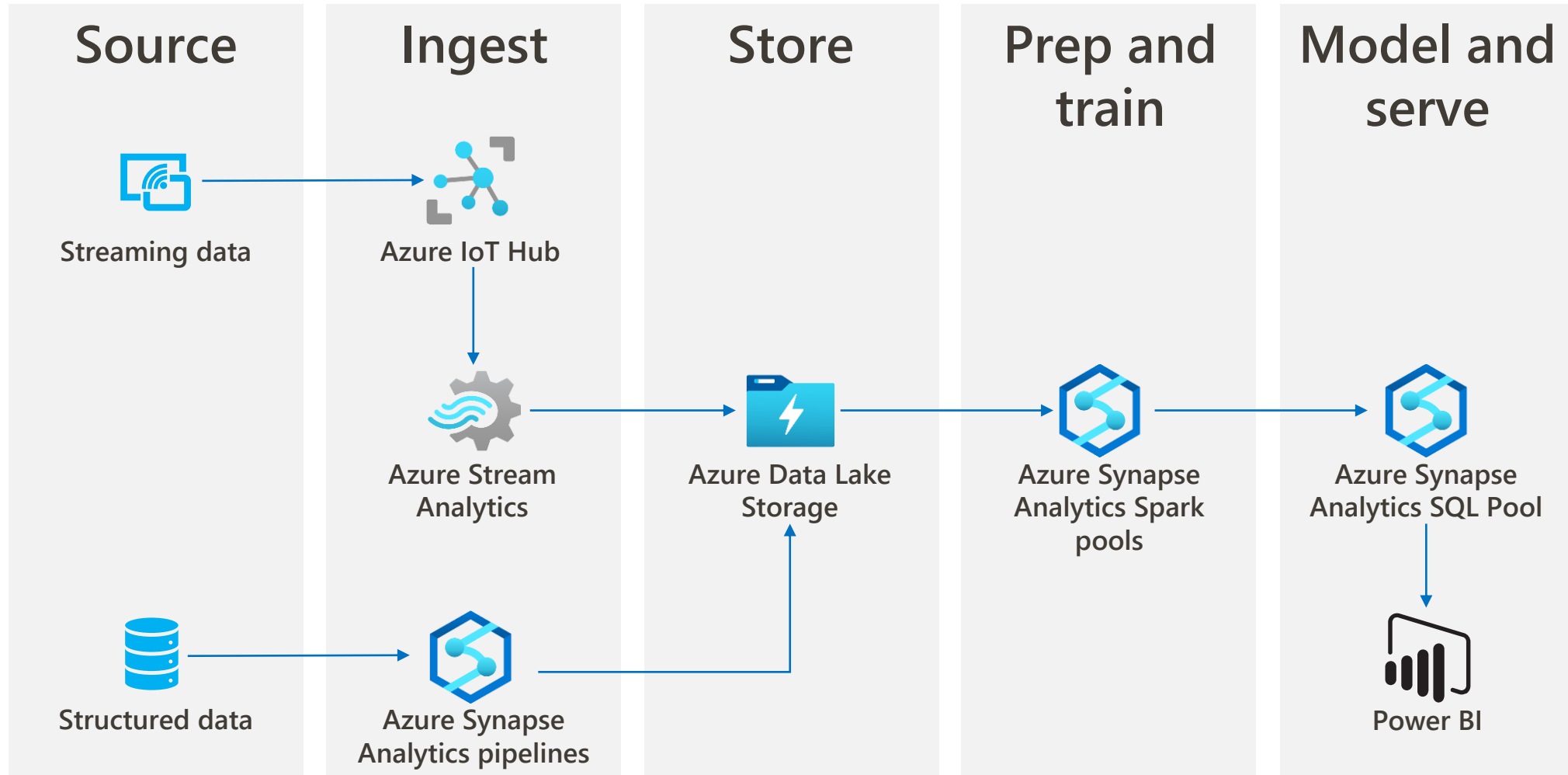
Agenda

- Obligatory bio
- Introduction to Azure Synapse
- Spark clusters
- SQL Pools
- Pipelines
- DevOps

Kevin Chant

- Lead BI & Analytics Architect in the Netherlands
- Worked in IT since Windows 95
- Experience in various sectors
- Various certifications, MVP

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Azure Synapse introduction

Azure Synapse installation
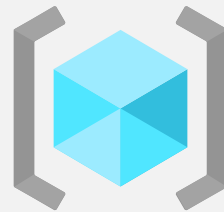
At the very least you install

Azure Synapse Analytics Workspace

Azure Data Lake Storage

In Azure you also get

Managed Resource group

Recommended extras include

Azure Key Vault

Azure Virtual Network (VNet)

Azure Synapse

- RBAC
- Essential endpoints
- Synapse Studio

Spark

- Spark clusters
- Notebooks
  - Five languages
- Spark SQL

SQL Pools

- Dedicated and serverless
- T-SQL like syntax
- Performance tuning
- Azure Synapse Link

Azure Synapse Pipelines

- Conceptually like SSIS
- Like Azure Data Factory

DevOps

- Workspaces
- Dedicated SQL Pools
- Serverless SQL Pools

Recommended resources

- Microsoft Learn
- Exam pages
- Online videos
- Data Platform events

Questions

Thank you

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