

No More Roadblocks: Reaching for Secured Data with Microsoft Fabric

Heini Ilmarinen





Power BI

9:30

Setting the
stage

Scenarios

Private endpoints
with Fabric

12:30 Lunch

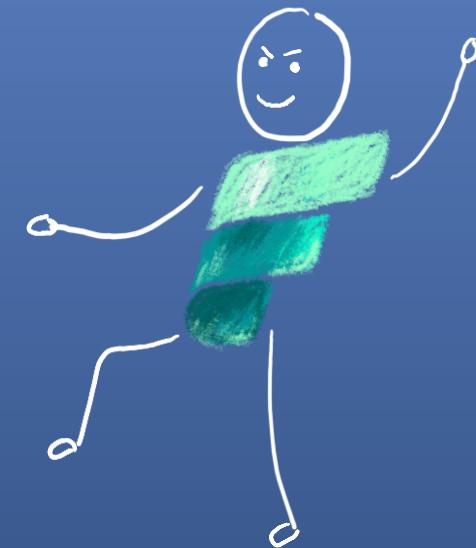
Shortcuts

On-prem & vnet
gateways

Mirroring

Full scenarios

16:00





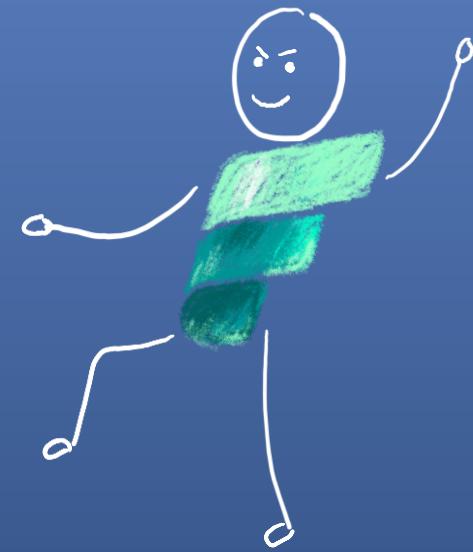
Heini Ilmarinen

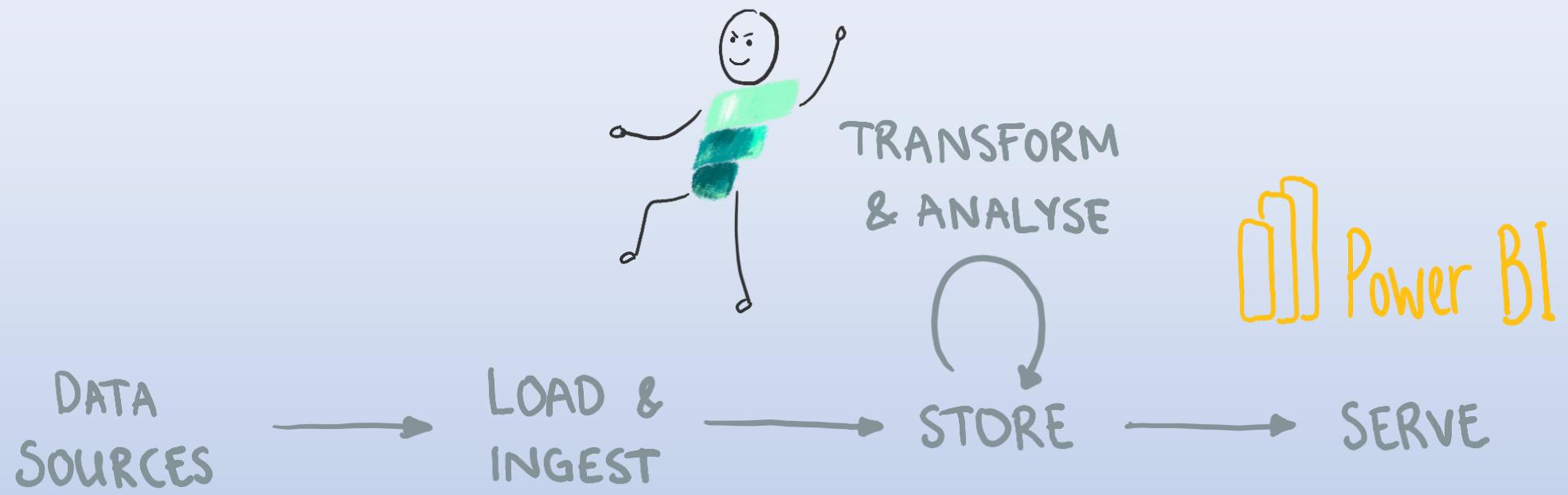
Microsoft MVP

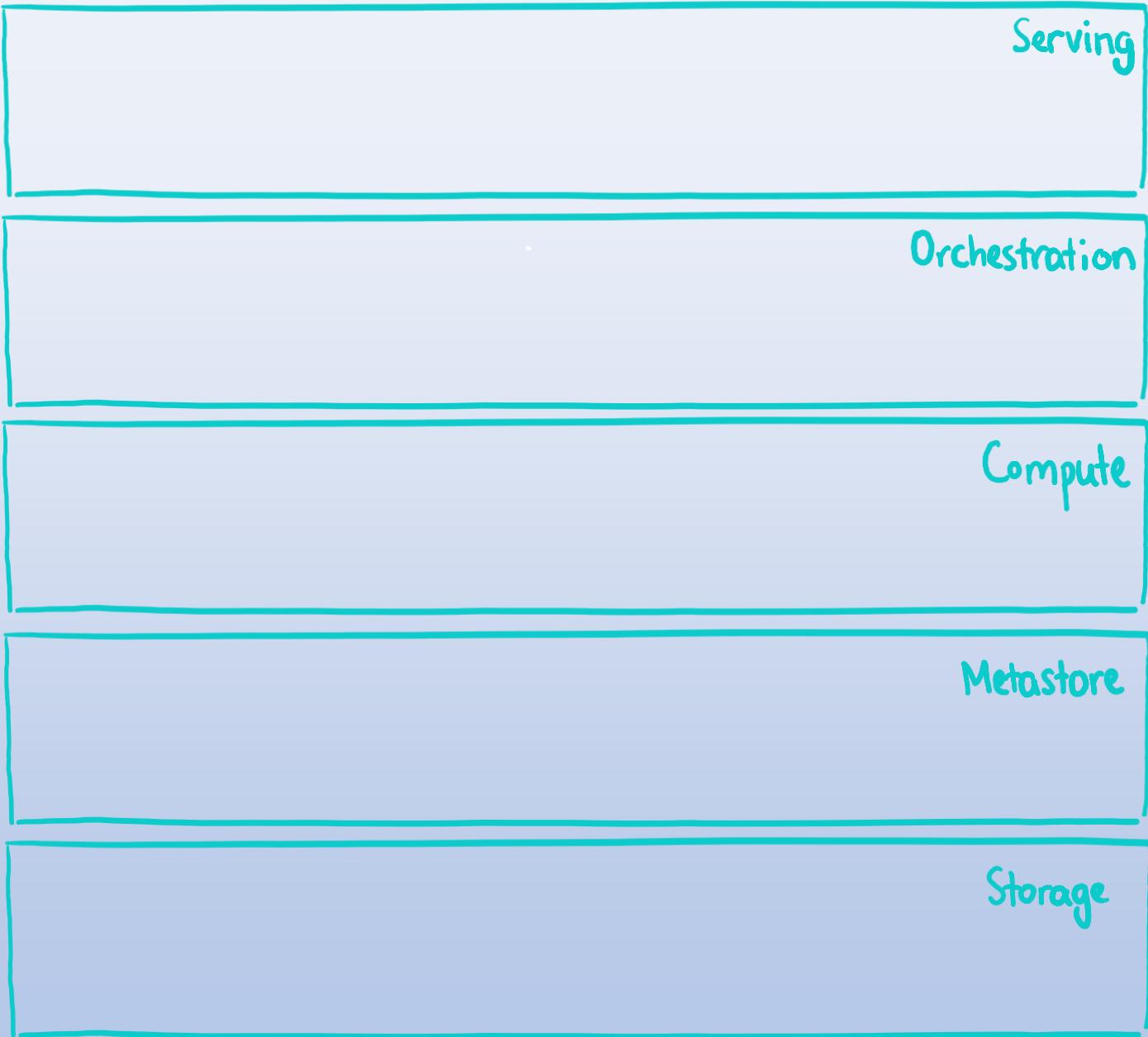
Passionate about architecture
Math nerd at heart

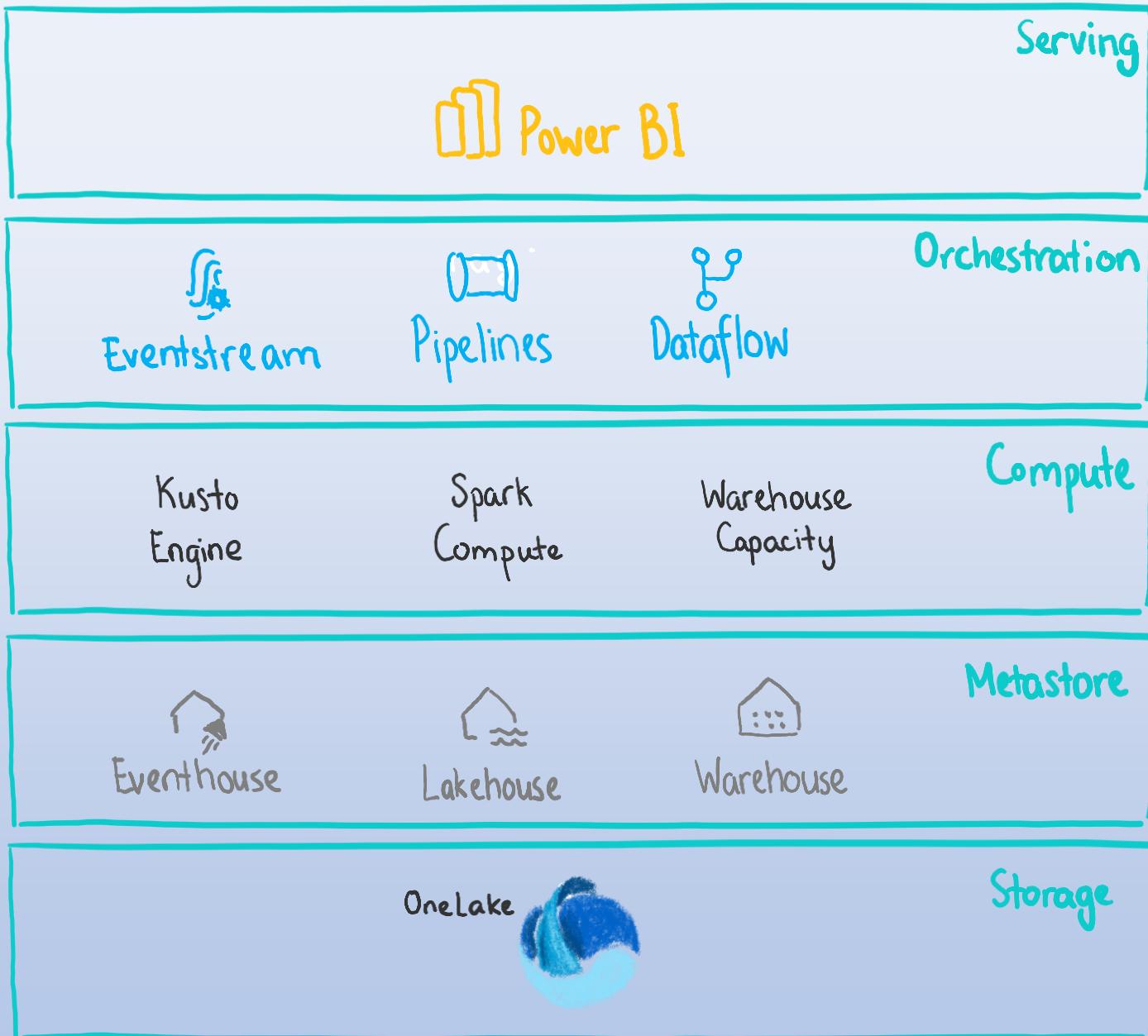
... and a serial doodler

Setting the
stage





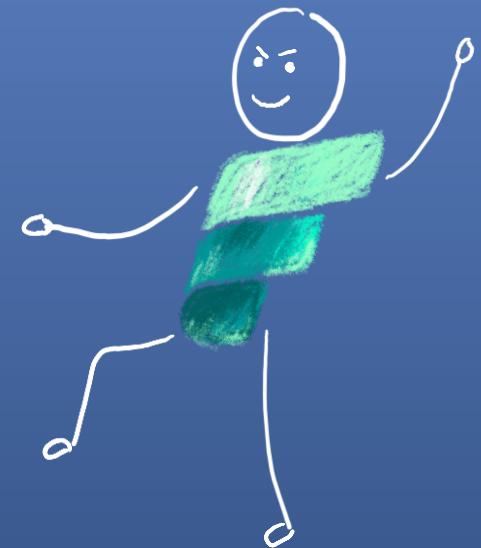


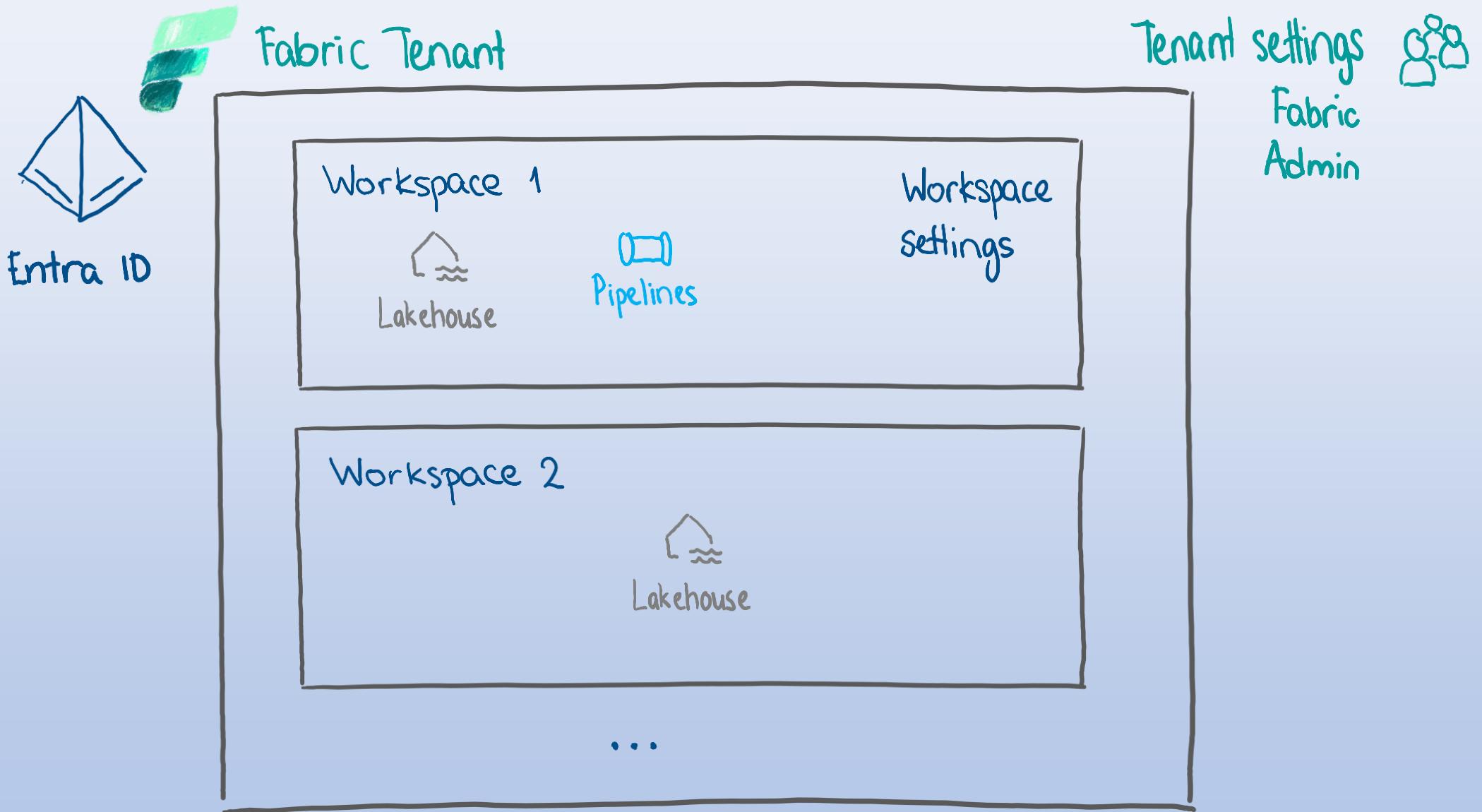


SaaS Foundation

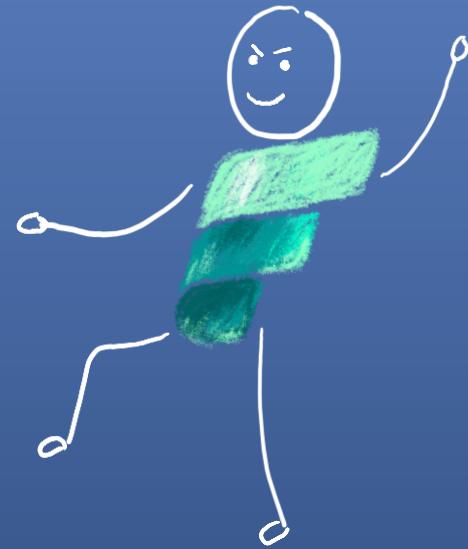
Licences & capacities

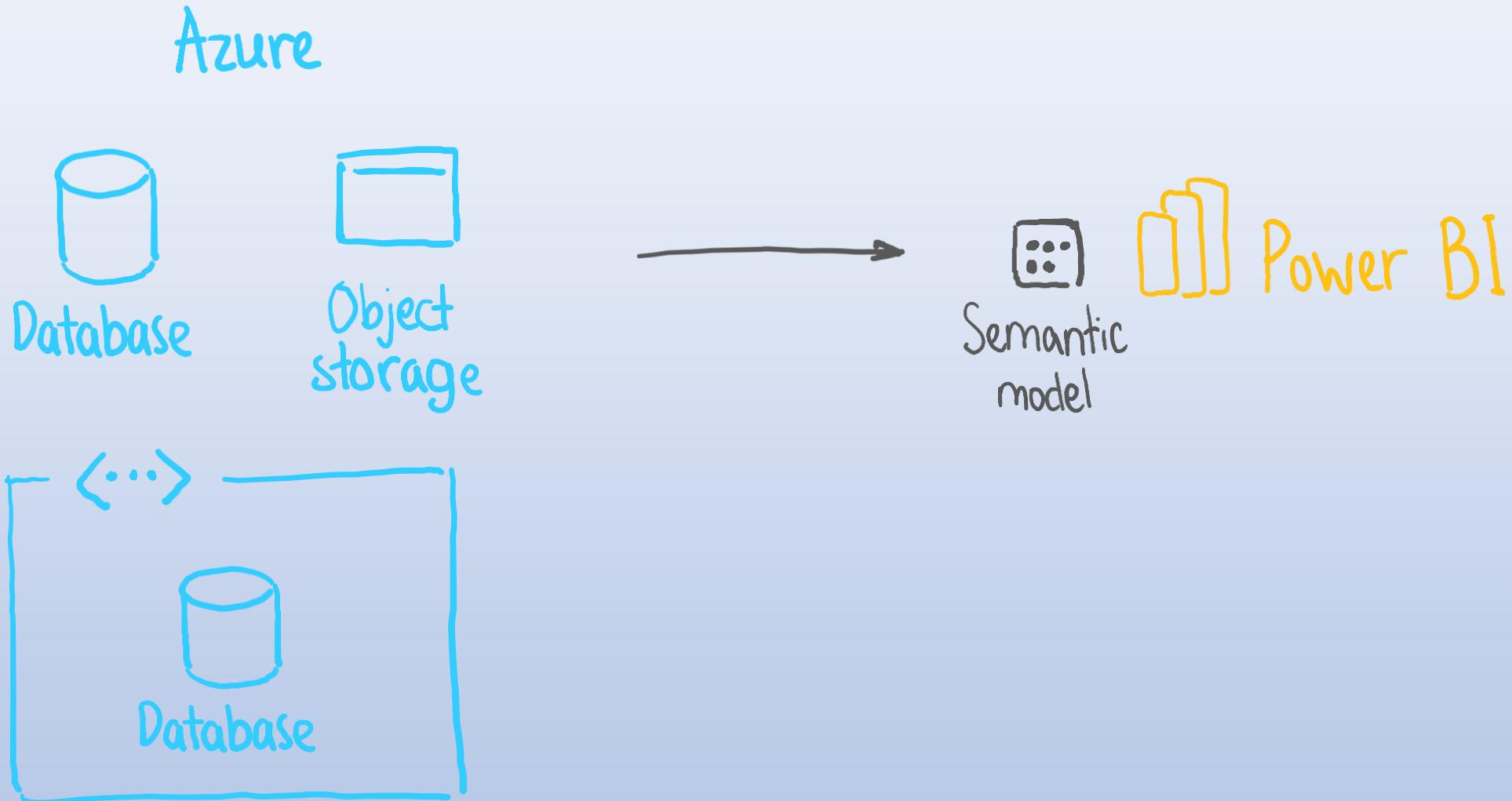
Centralized data storage

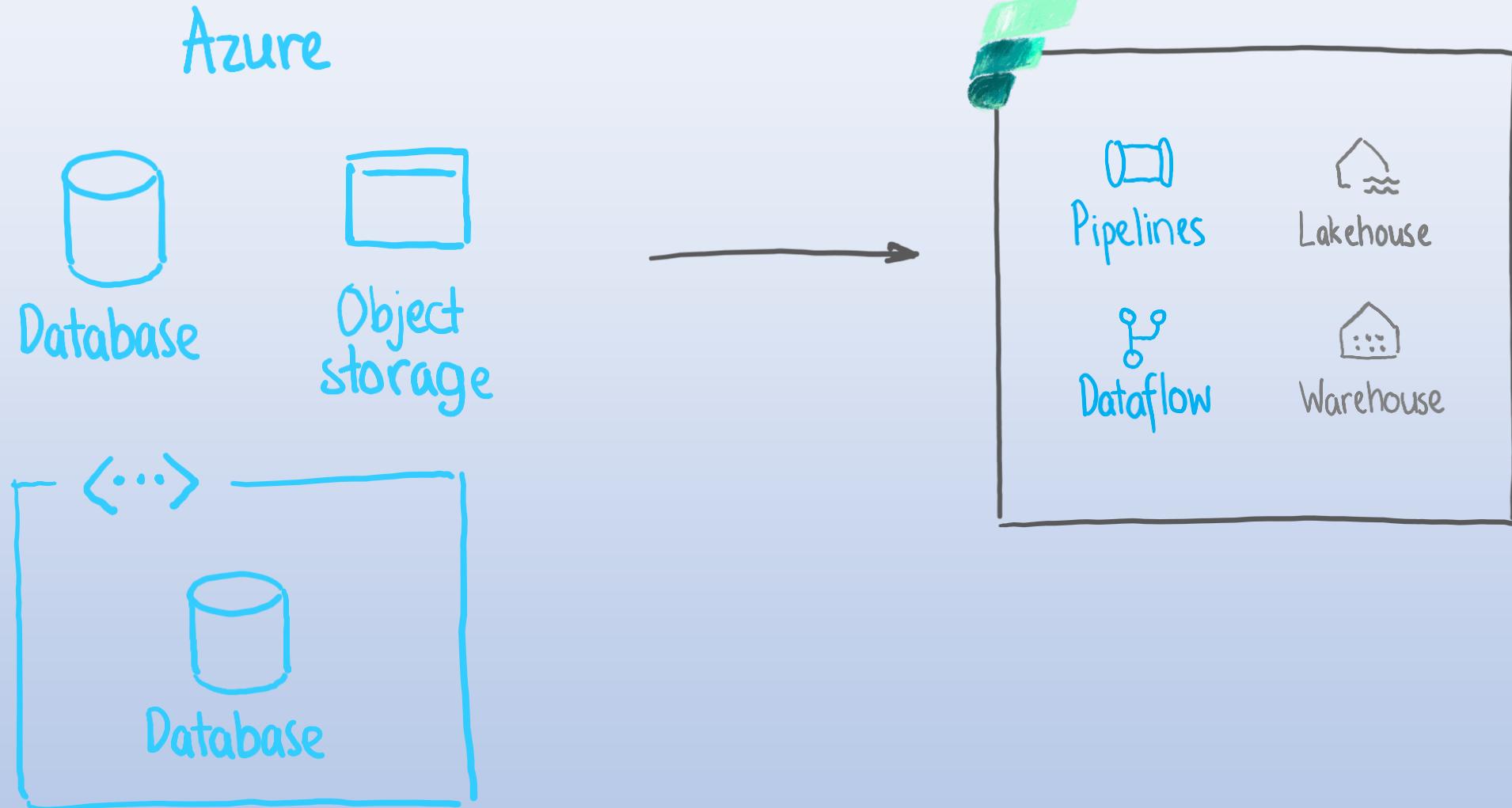




Setting the
stage → Scenarios



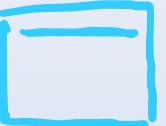




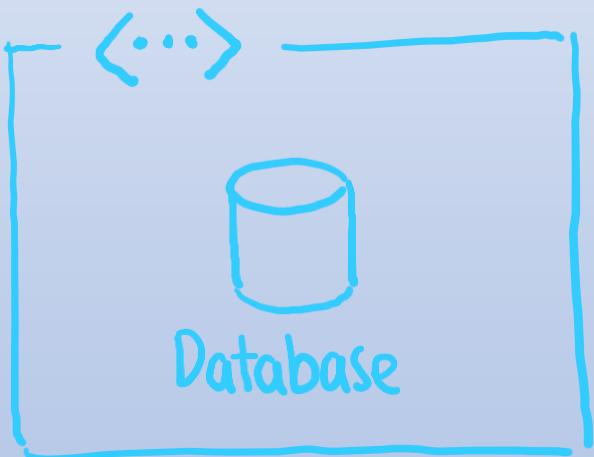
On-prem



Database



Object storage



Database

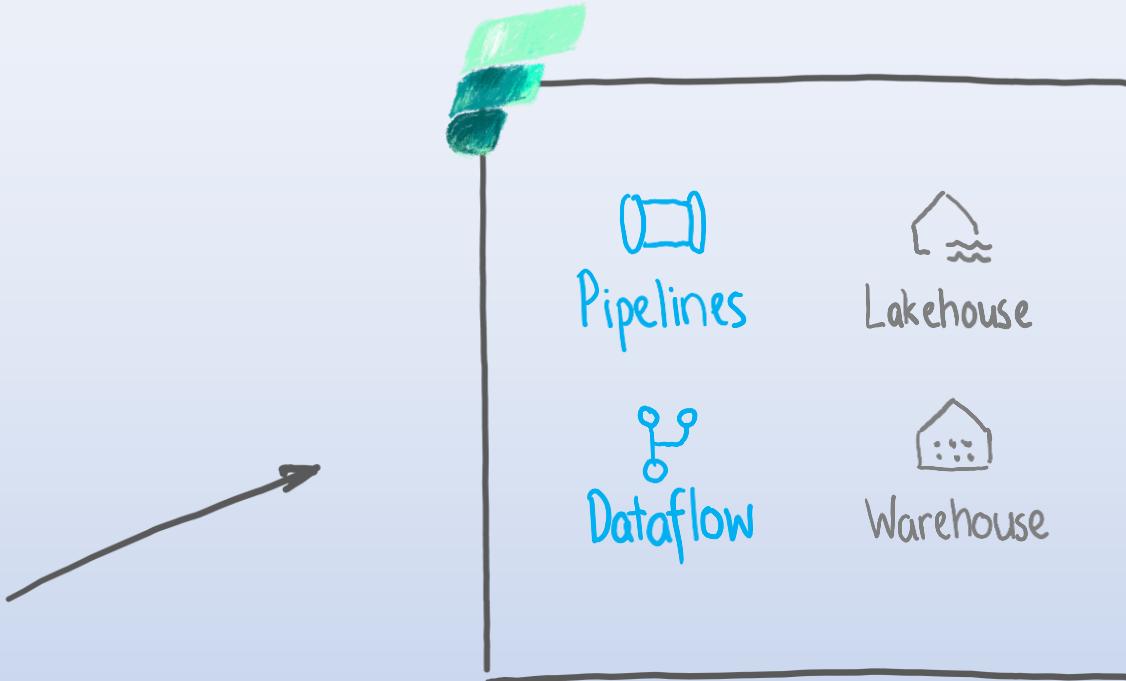
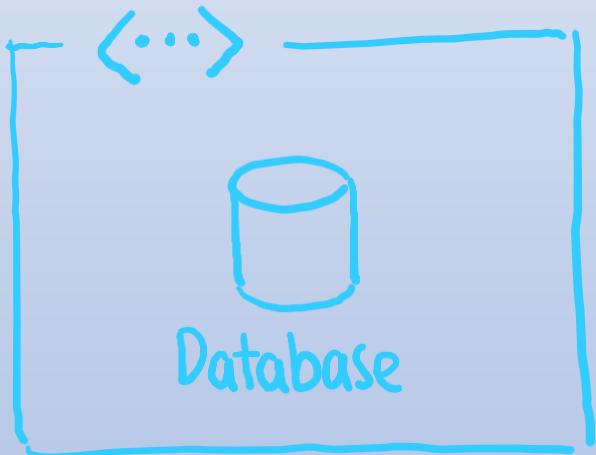


Semantic
model



Power BI

On-prem

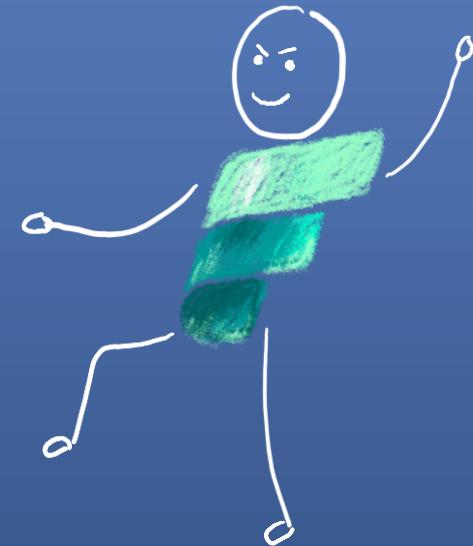


Setting the
stage



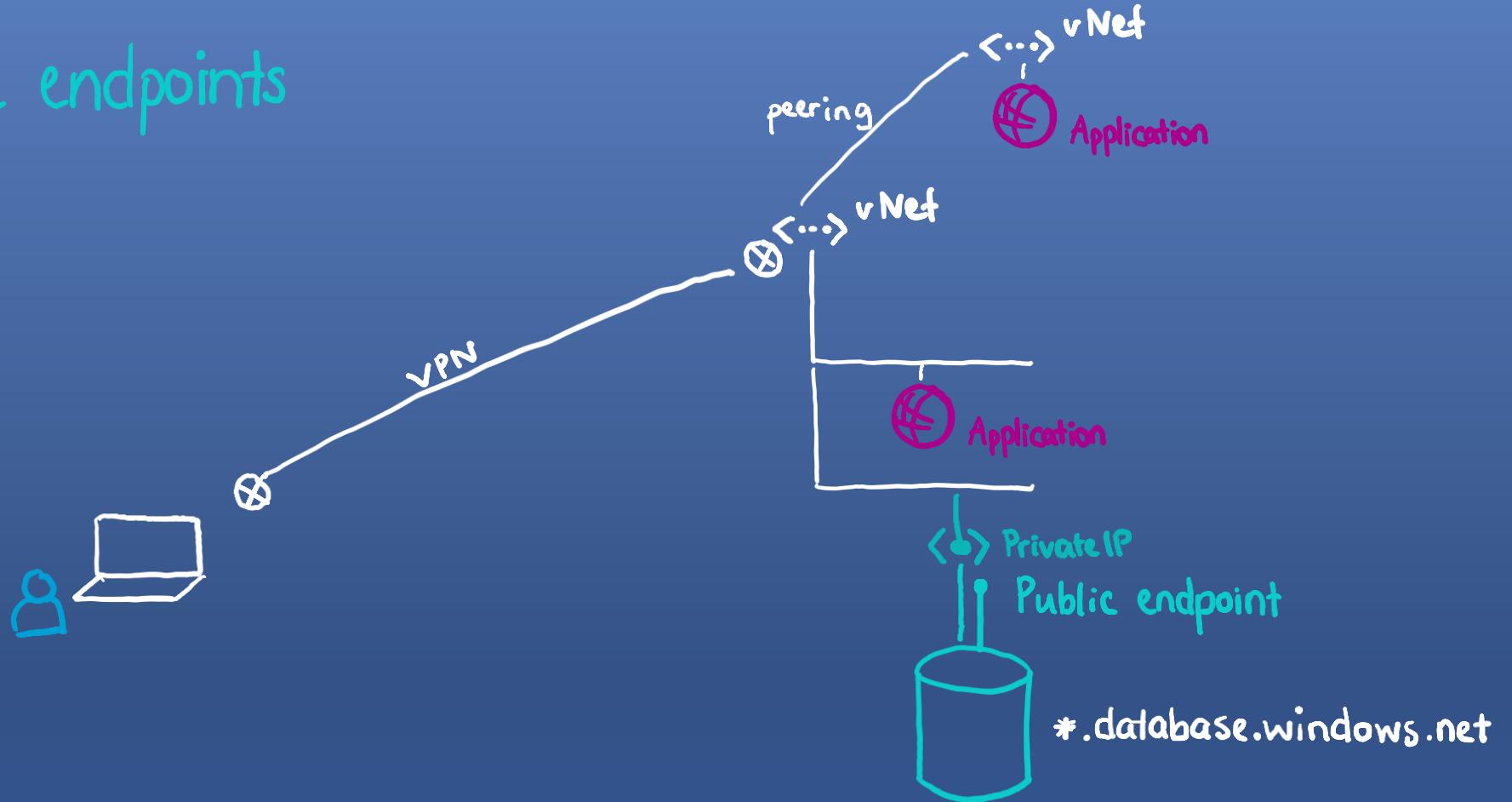
Scenarios

Private endpoints
with Fabric



Managed private endpoints

Private endpoints

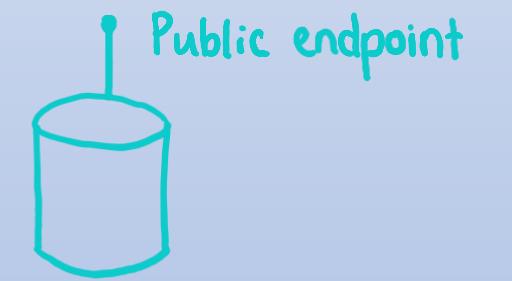


Managed private endpoints

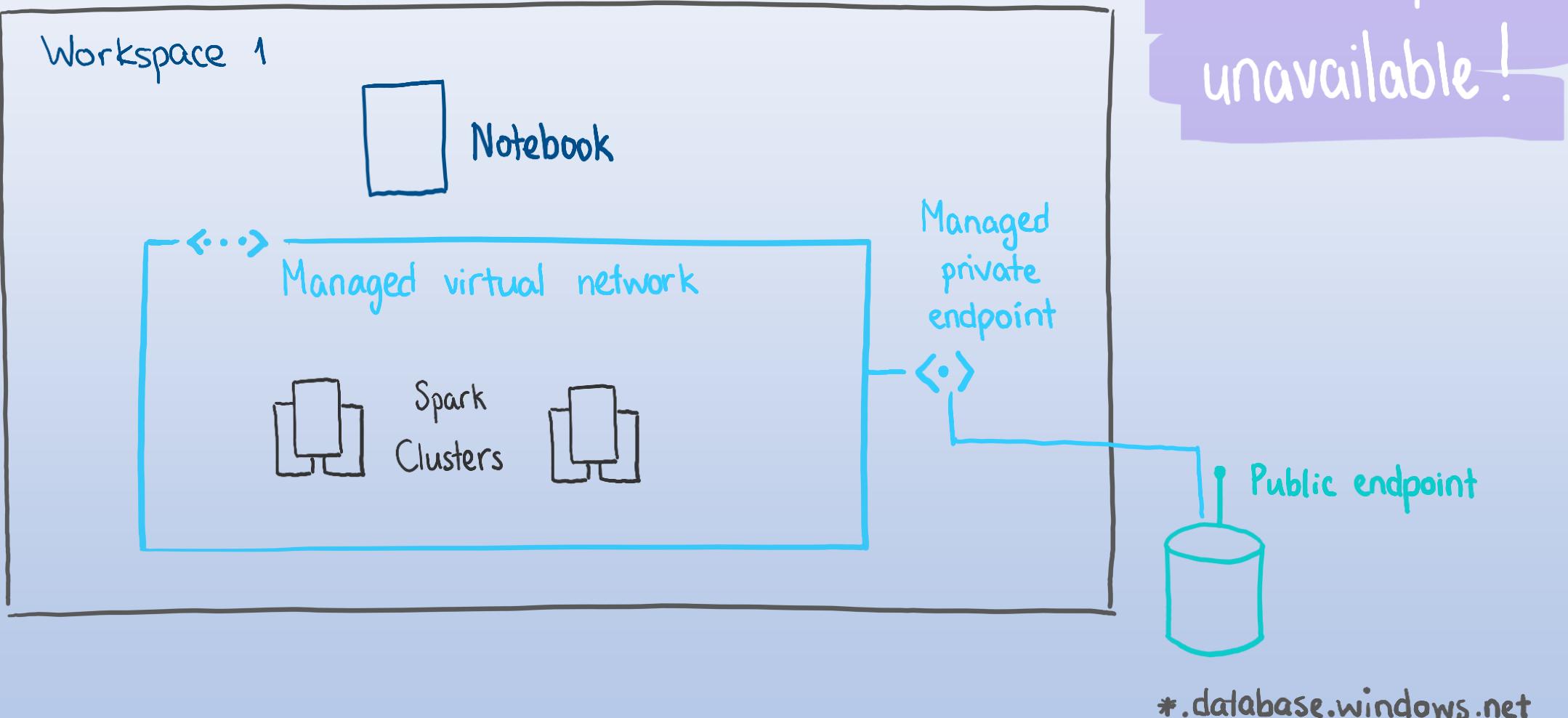
↳ connect to Azure services



Workspace 1



*.database.windows.net



Managed private endpoints

- ↳ Connect to Azure services
- ↳ Spark workloads



Data Engineering



Pipelines



Notebooks

Spark
Compute



Lakehouse

/Tables

/Files

SQL Endpoint

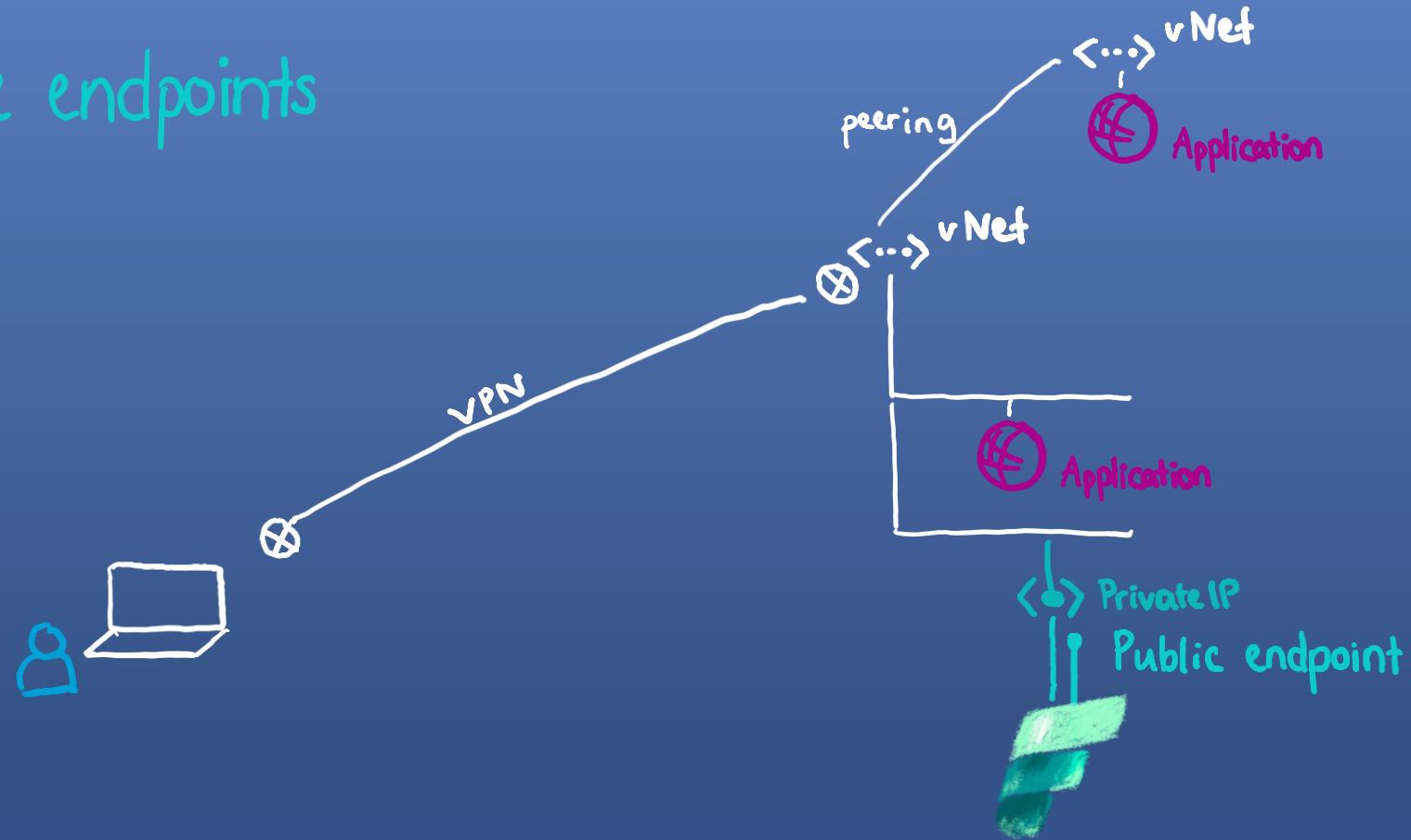
Semantic model

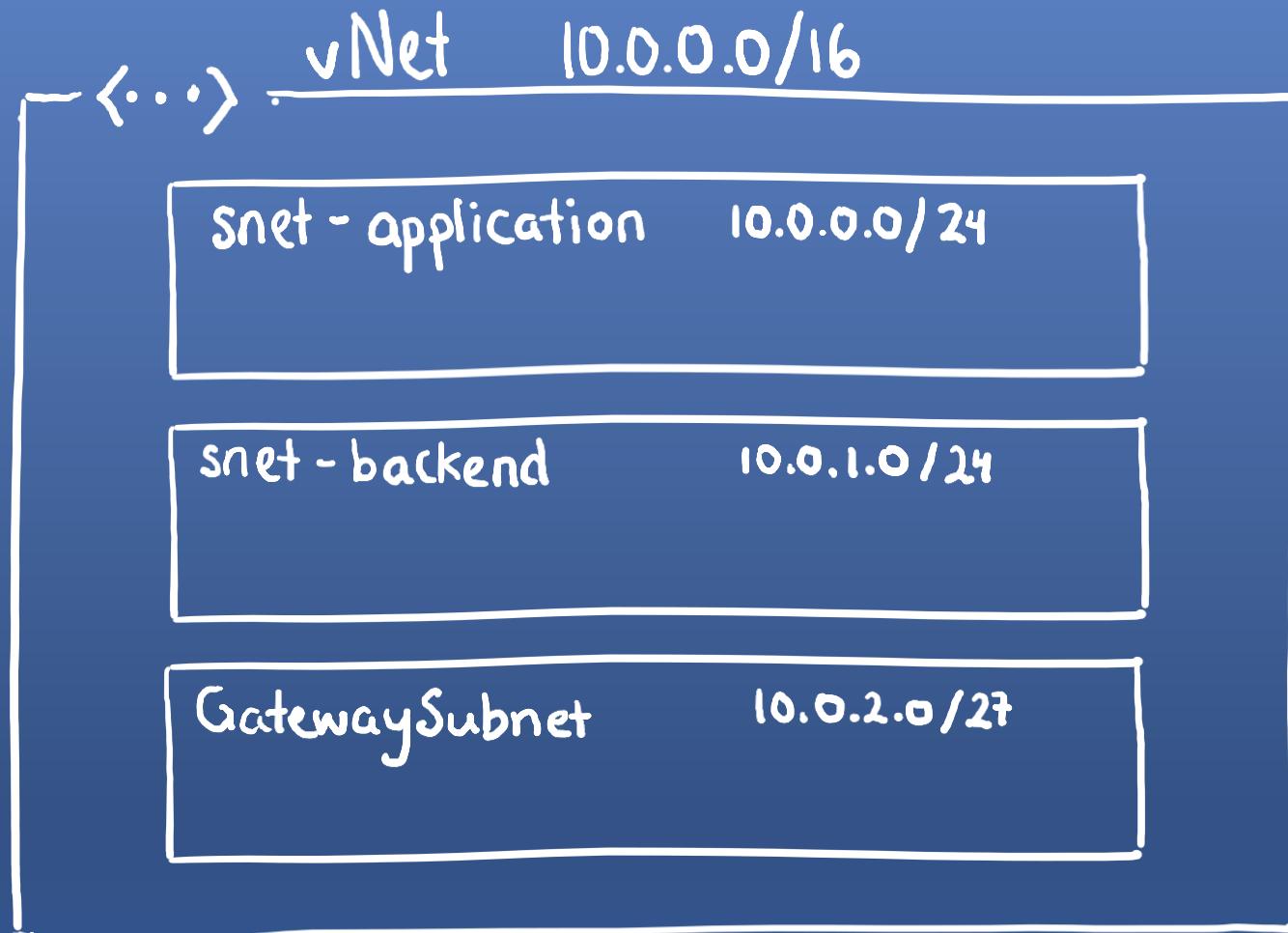


Private link for Fabric

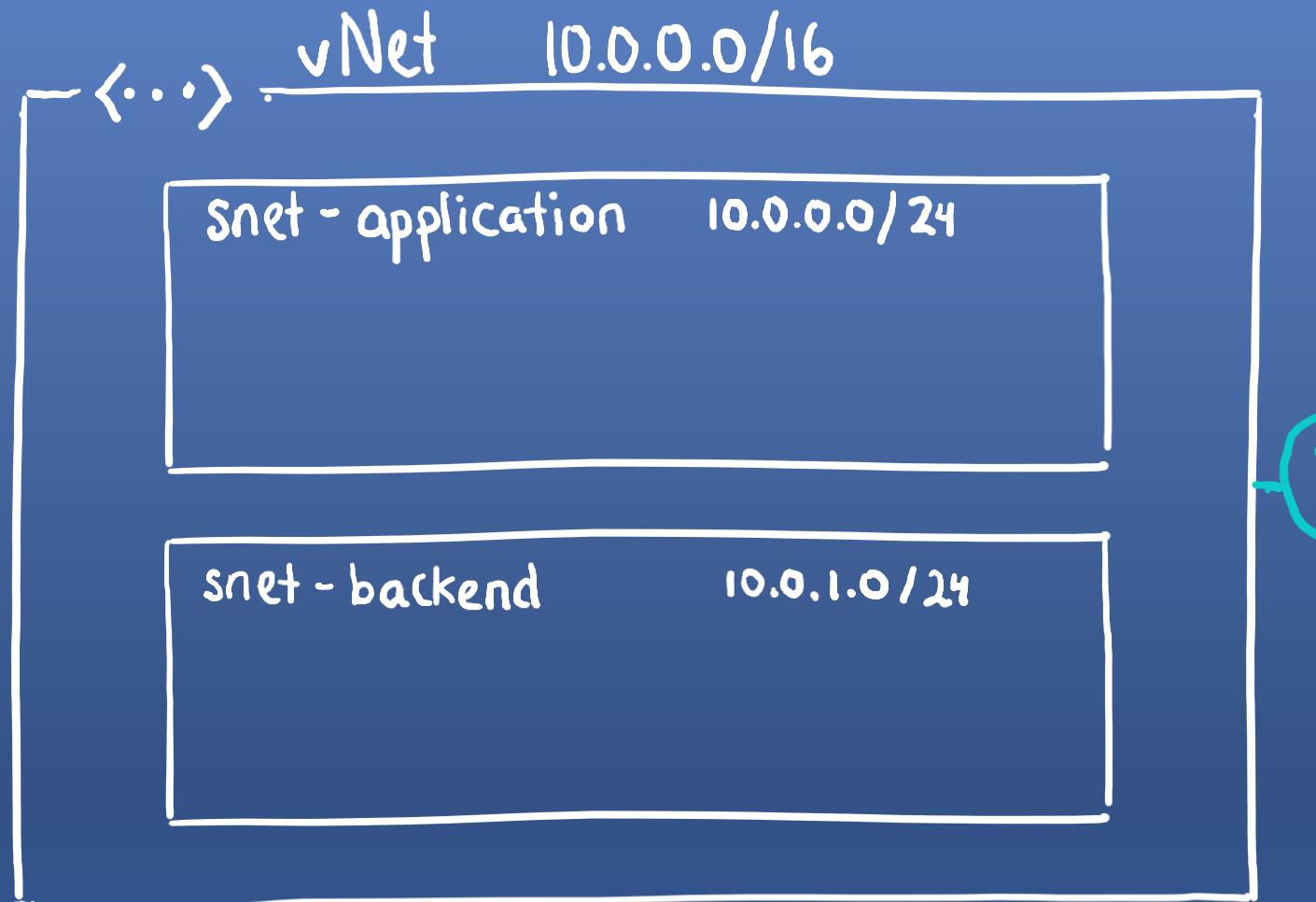
↳ inbound connection to Fabric

Private endpoints



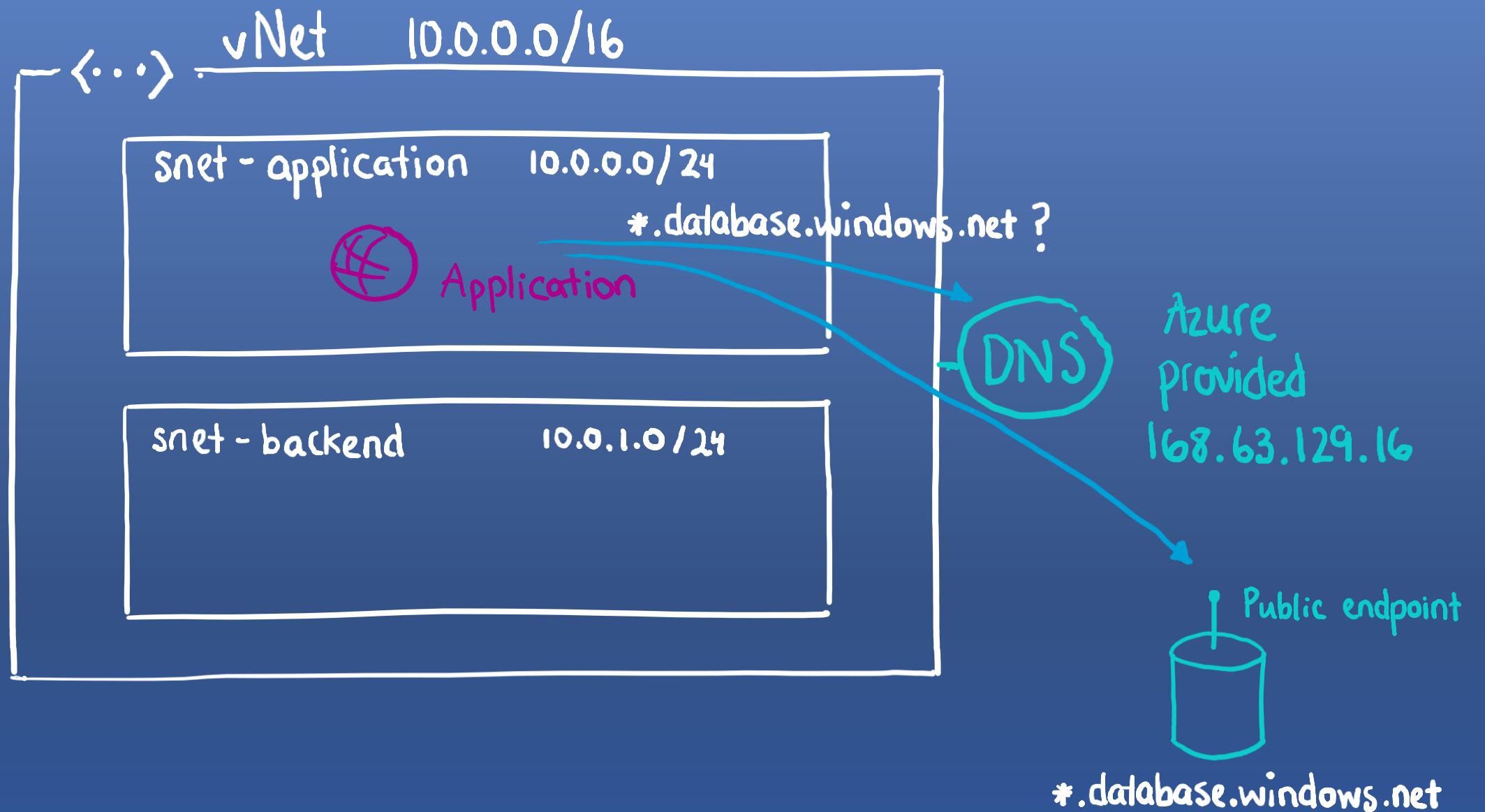


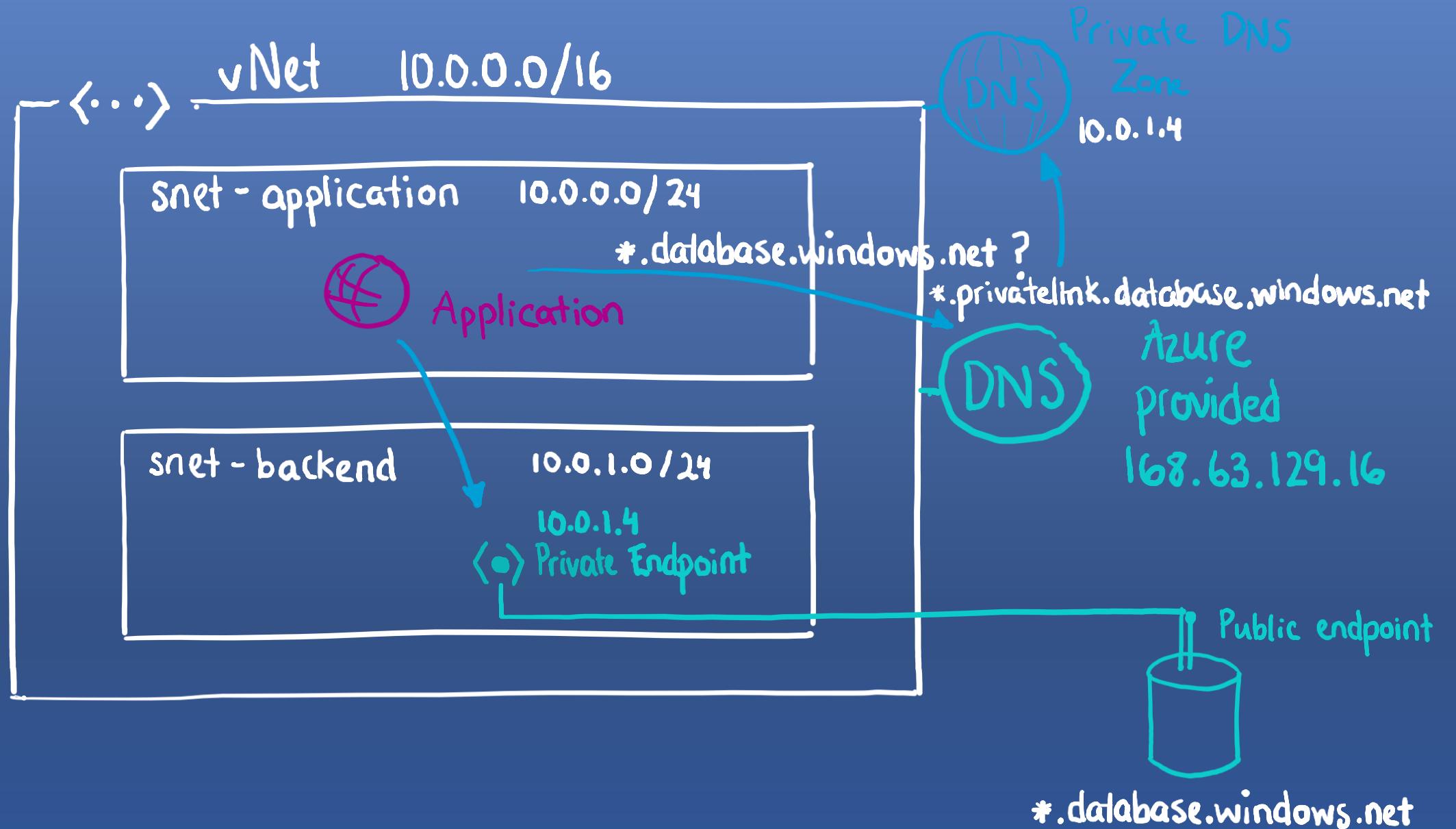
Note!
5 Azure reserved
addresses

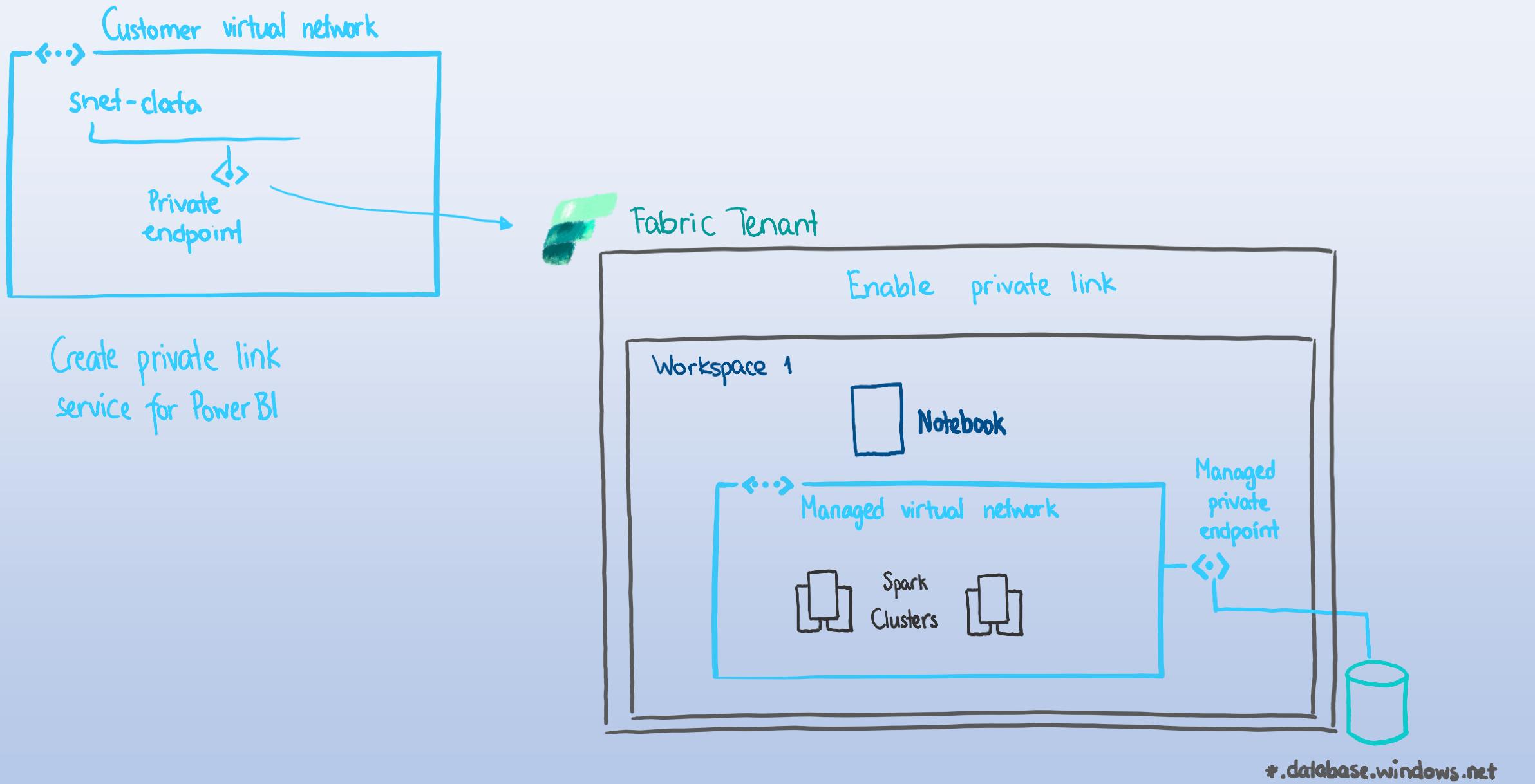


DNS

Azure provided



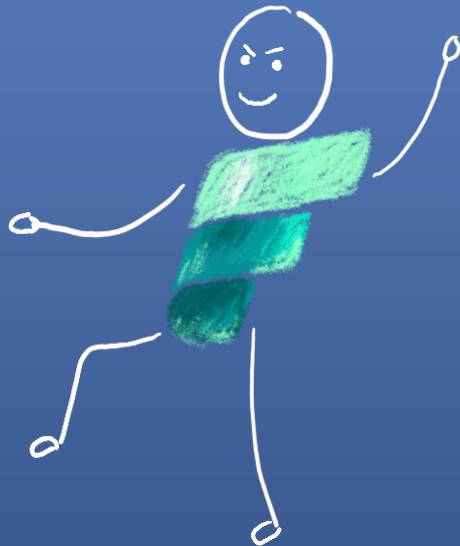
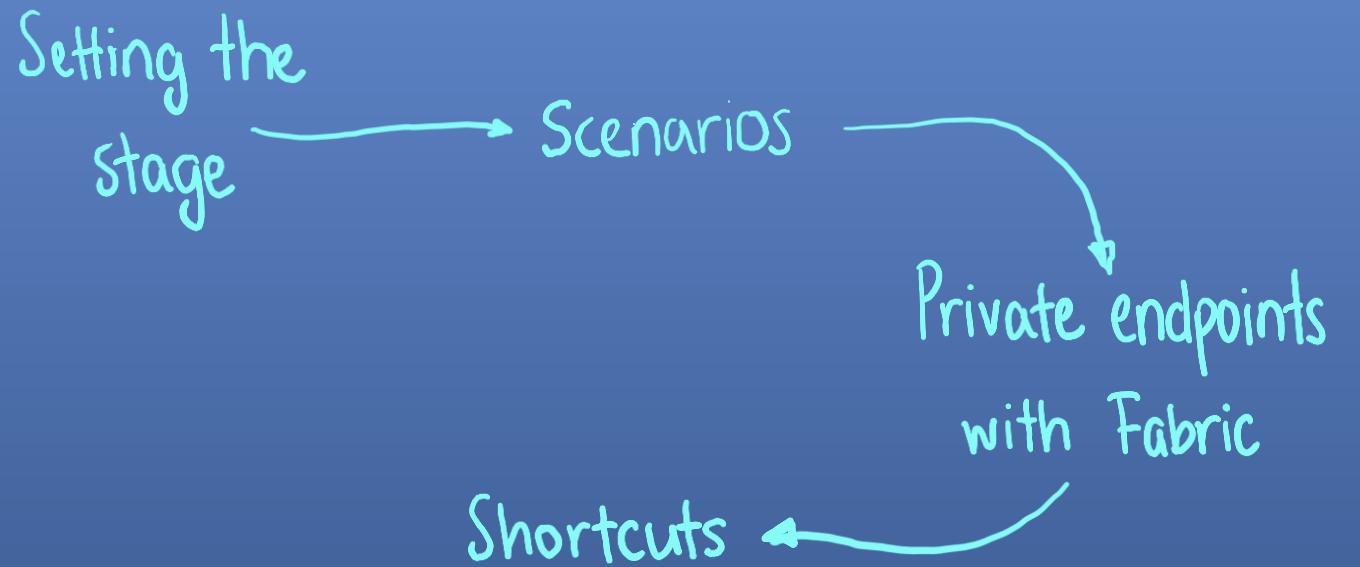




Note
limitations!

Private link for Fabric

- ↳ inbound connection to Fabric
- ↳ affects entire organization

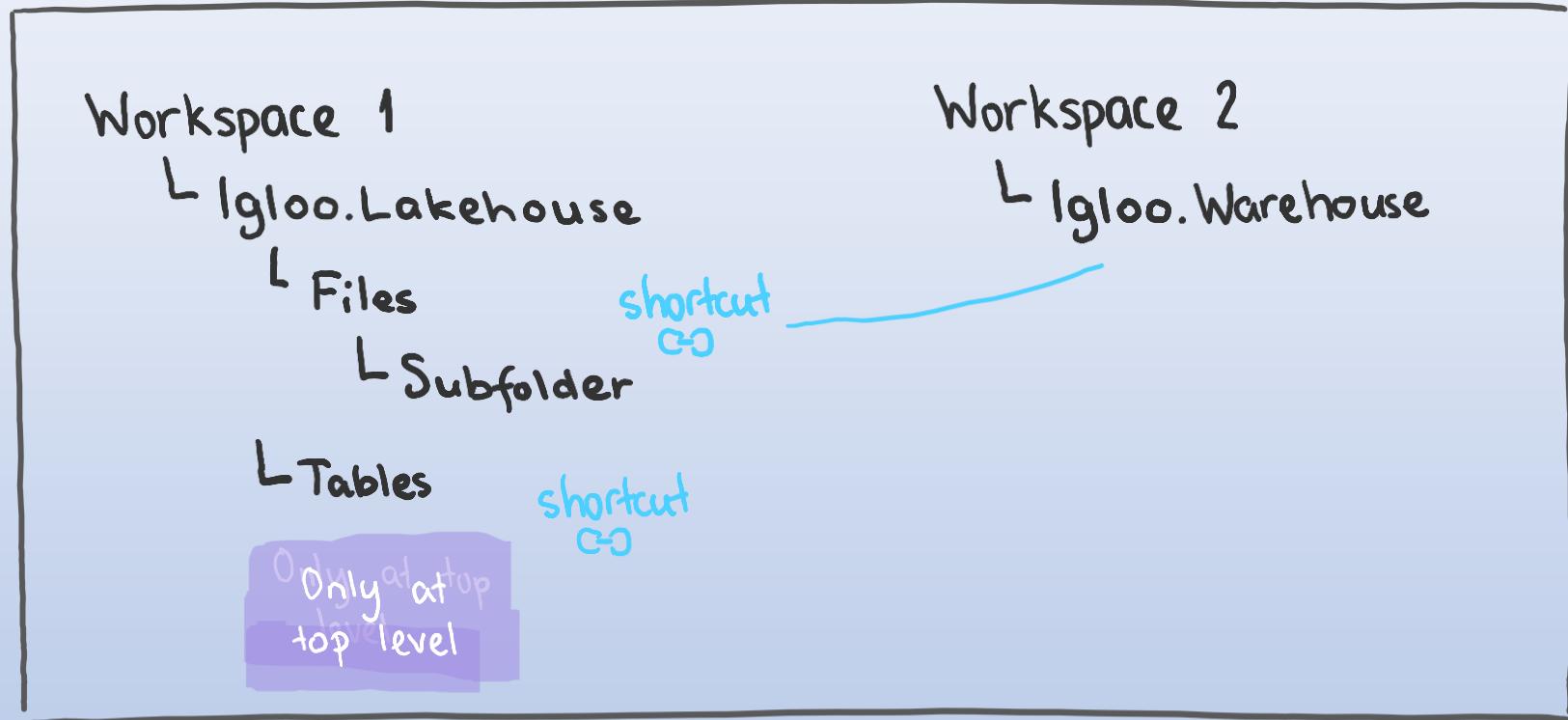




OneLake



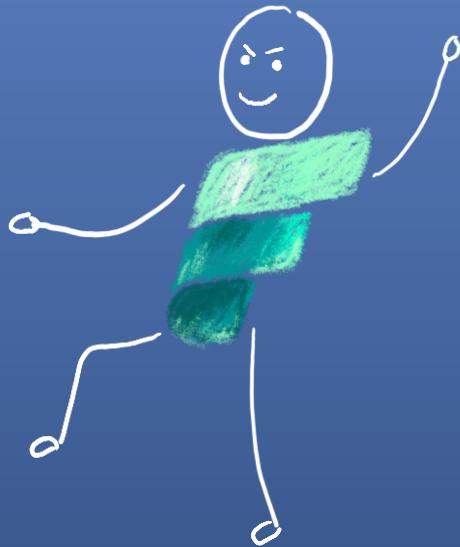
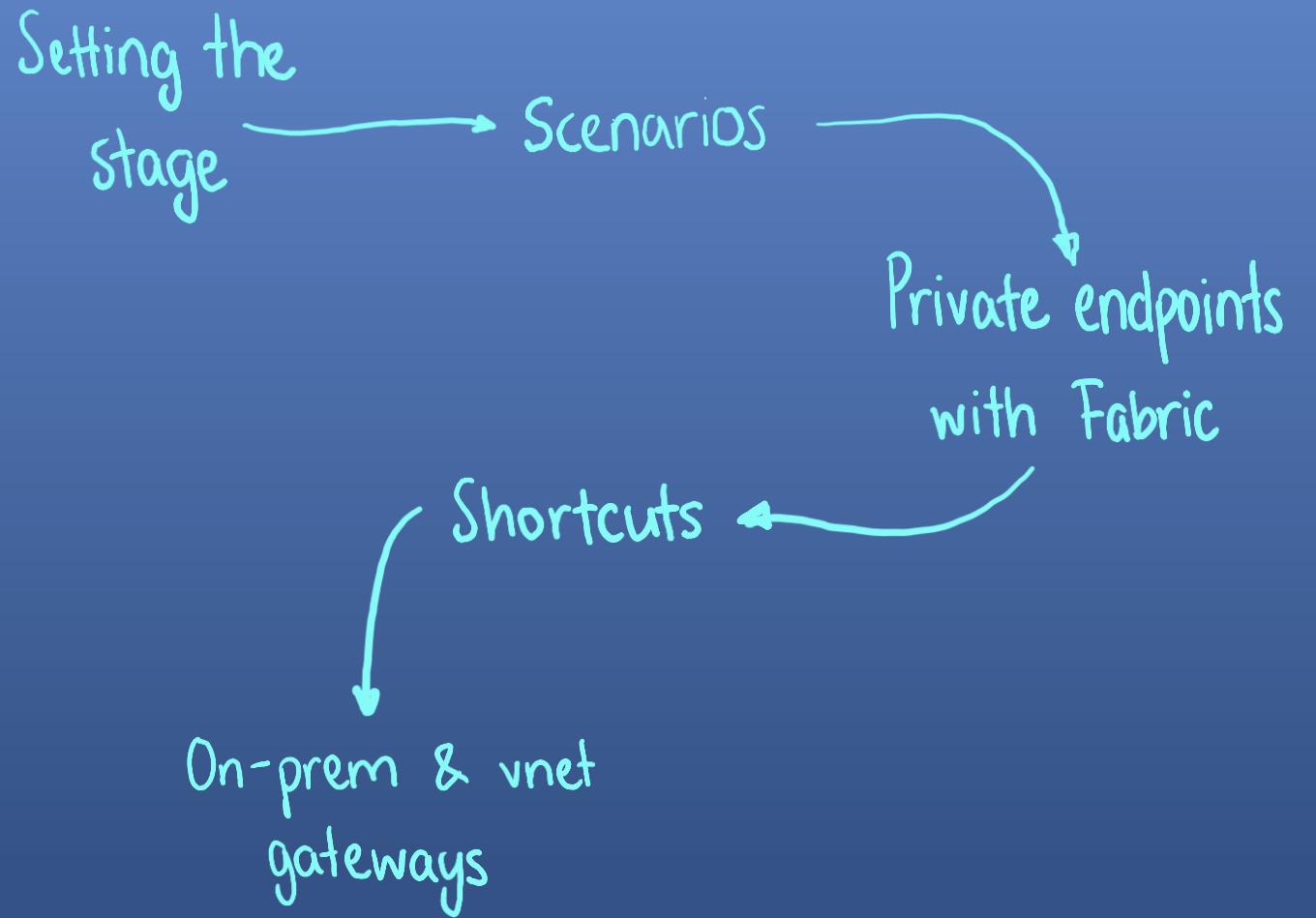
Lakehouse



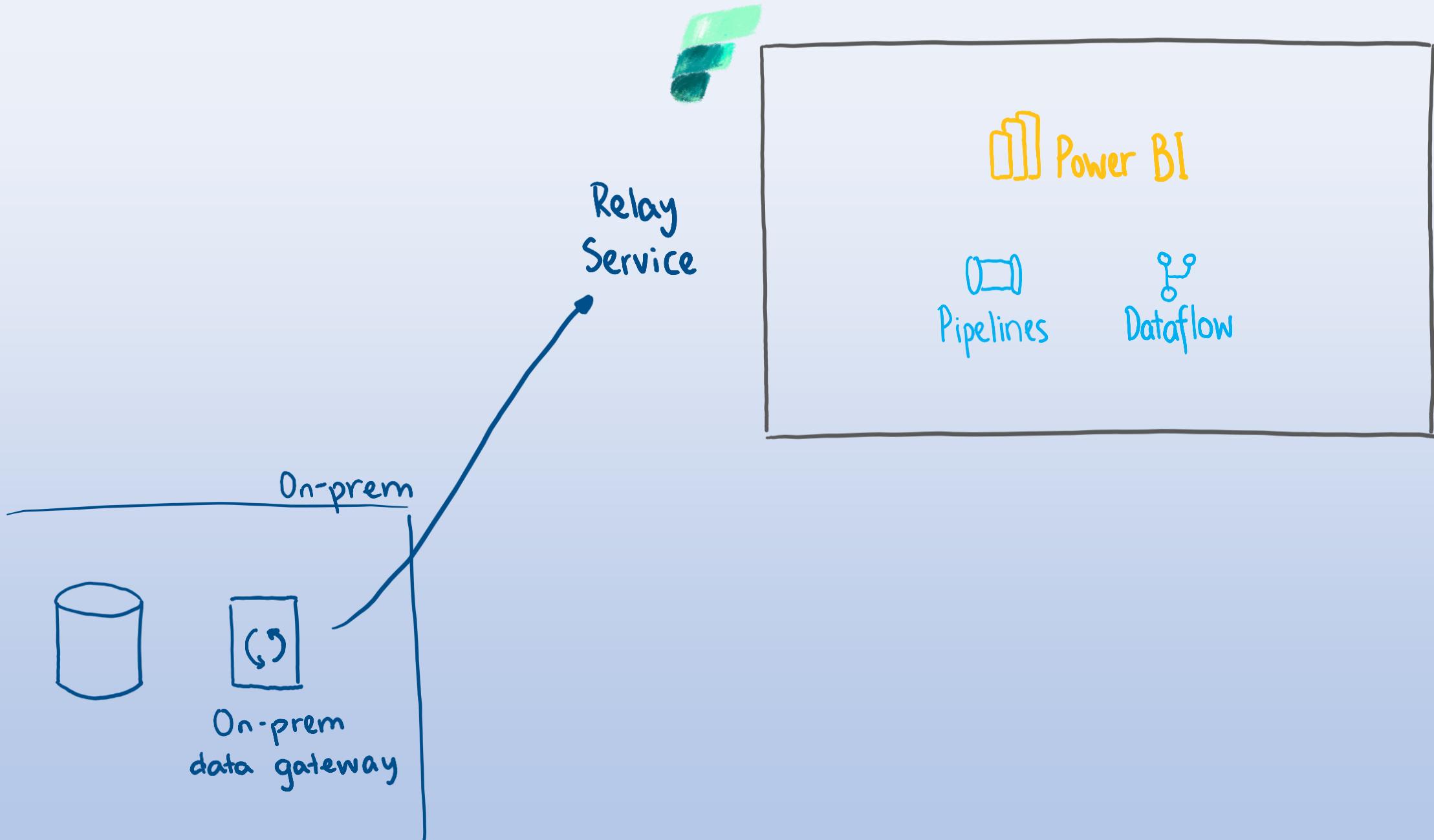
Warehouse



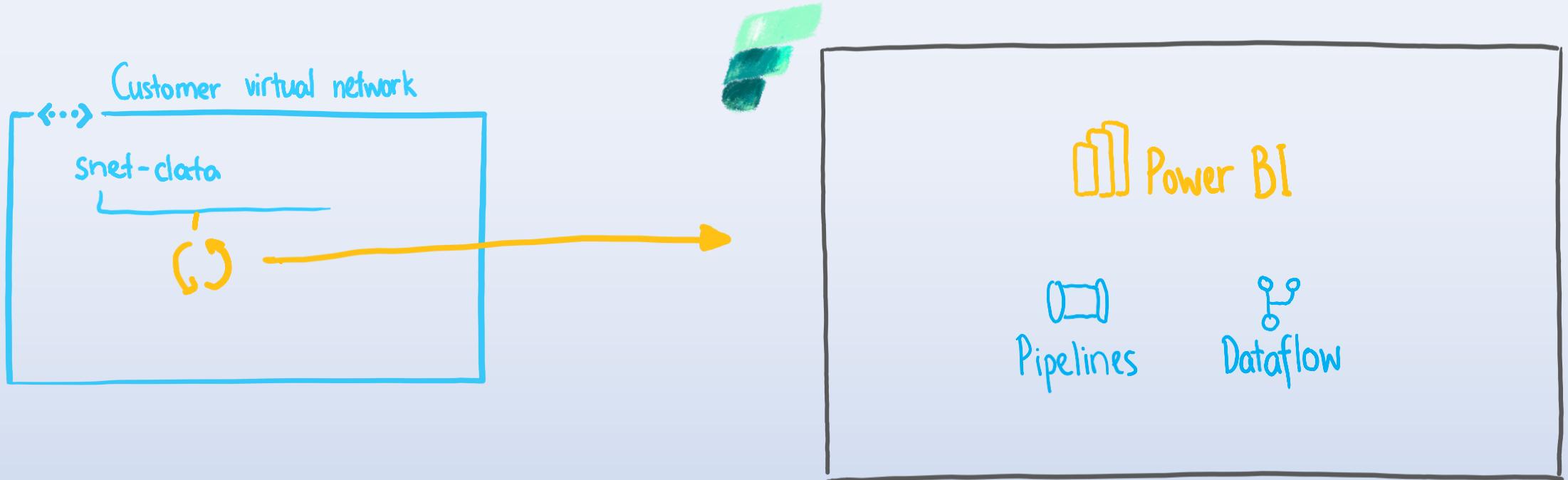
Object
storage



On-premises data gateway



Vnet data gateway



Setting the
stage

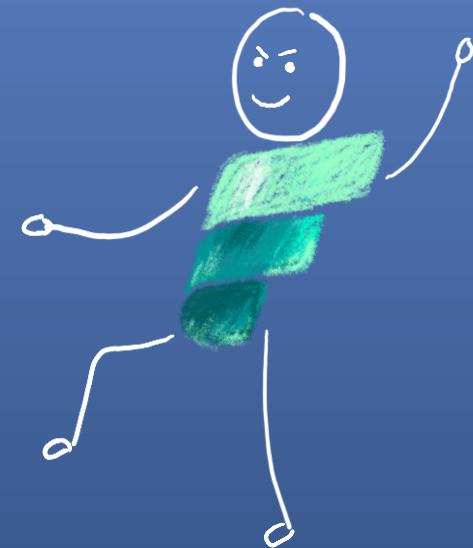
Scenarios

Private endpoints
with Fabric

Shortcuts

On-prem & vnet
gateways

Mirroring





Database

mirroring →

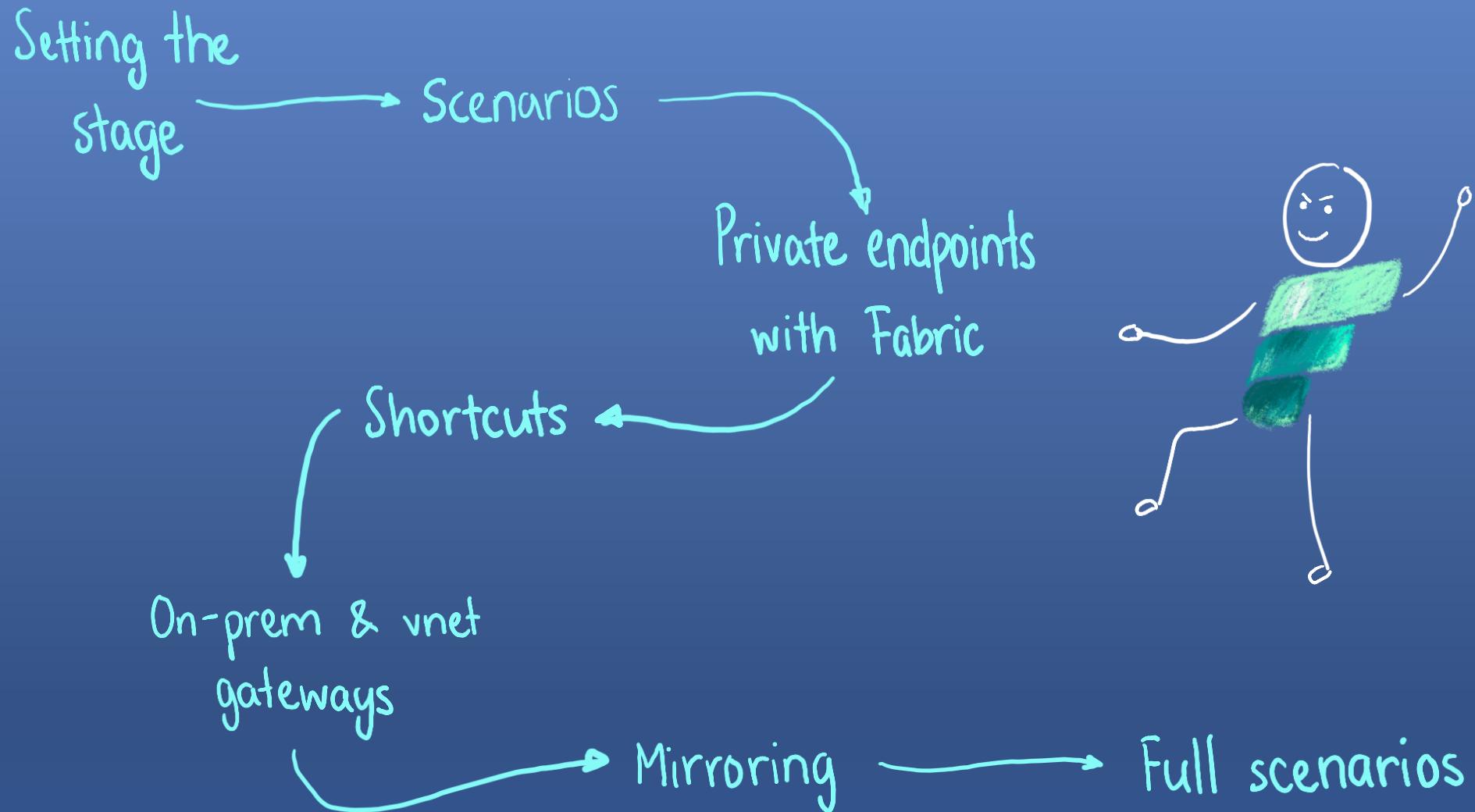


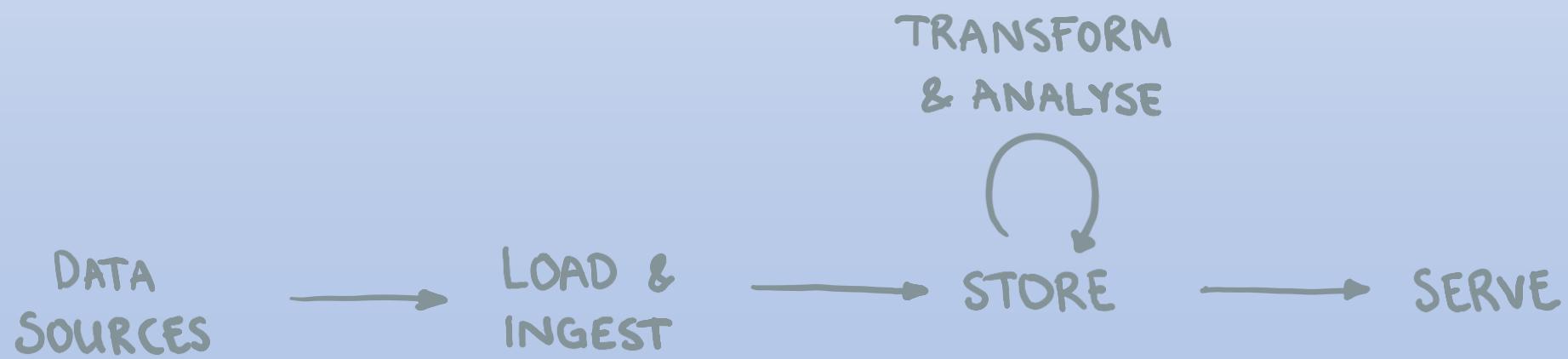
Mirrored item

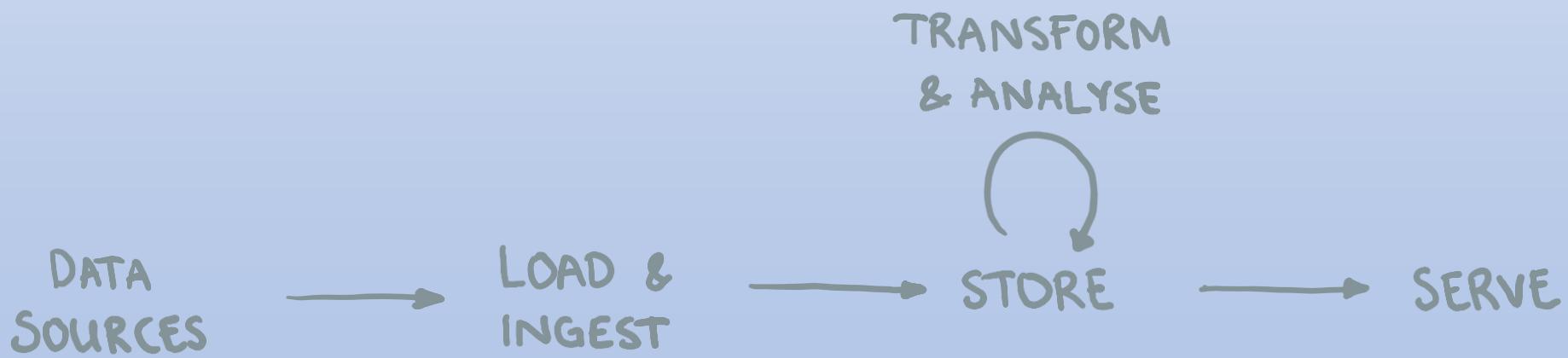
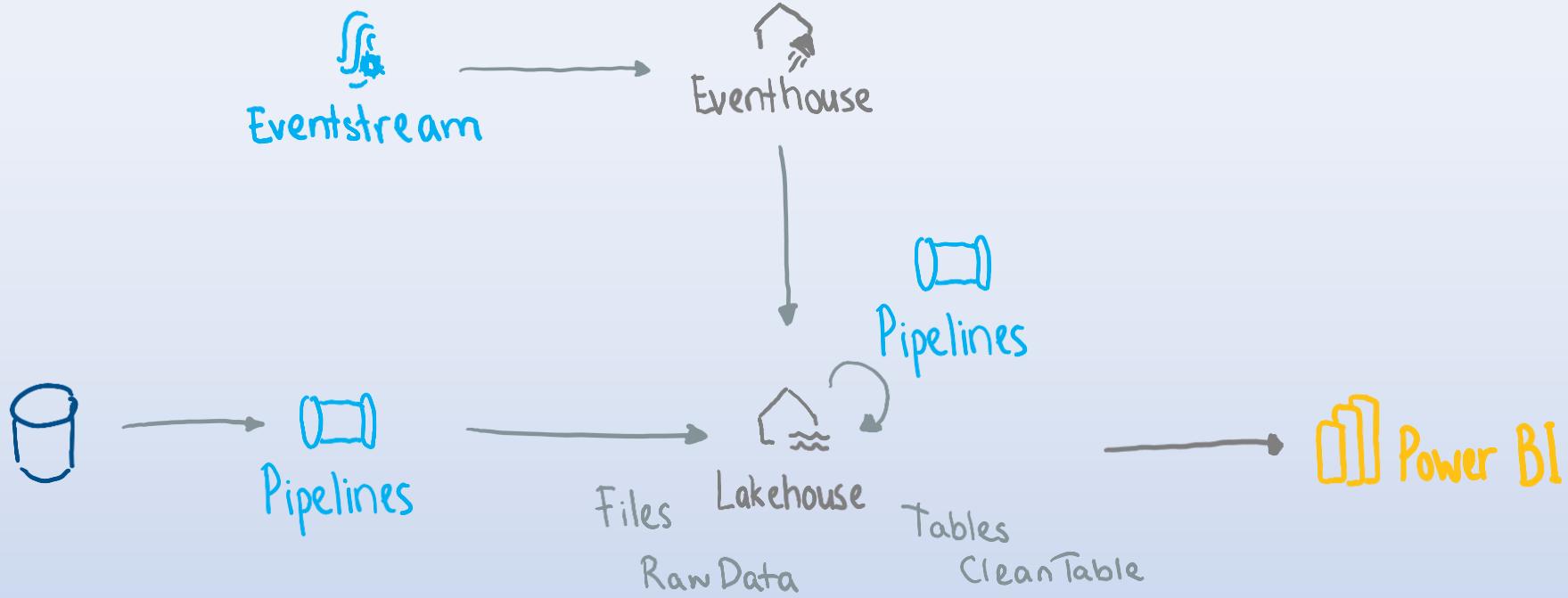


Power BI
Pipelines Dataflow



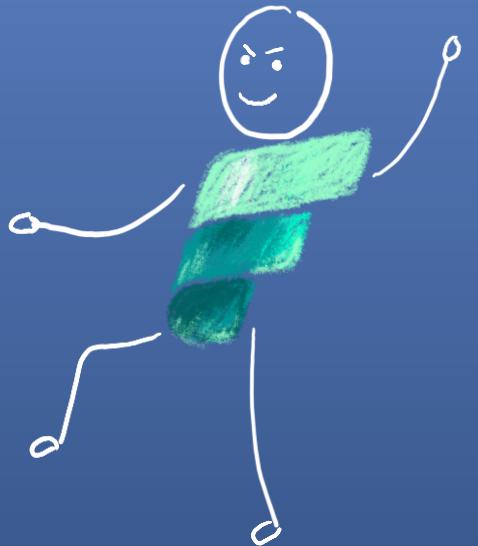


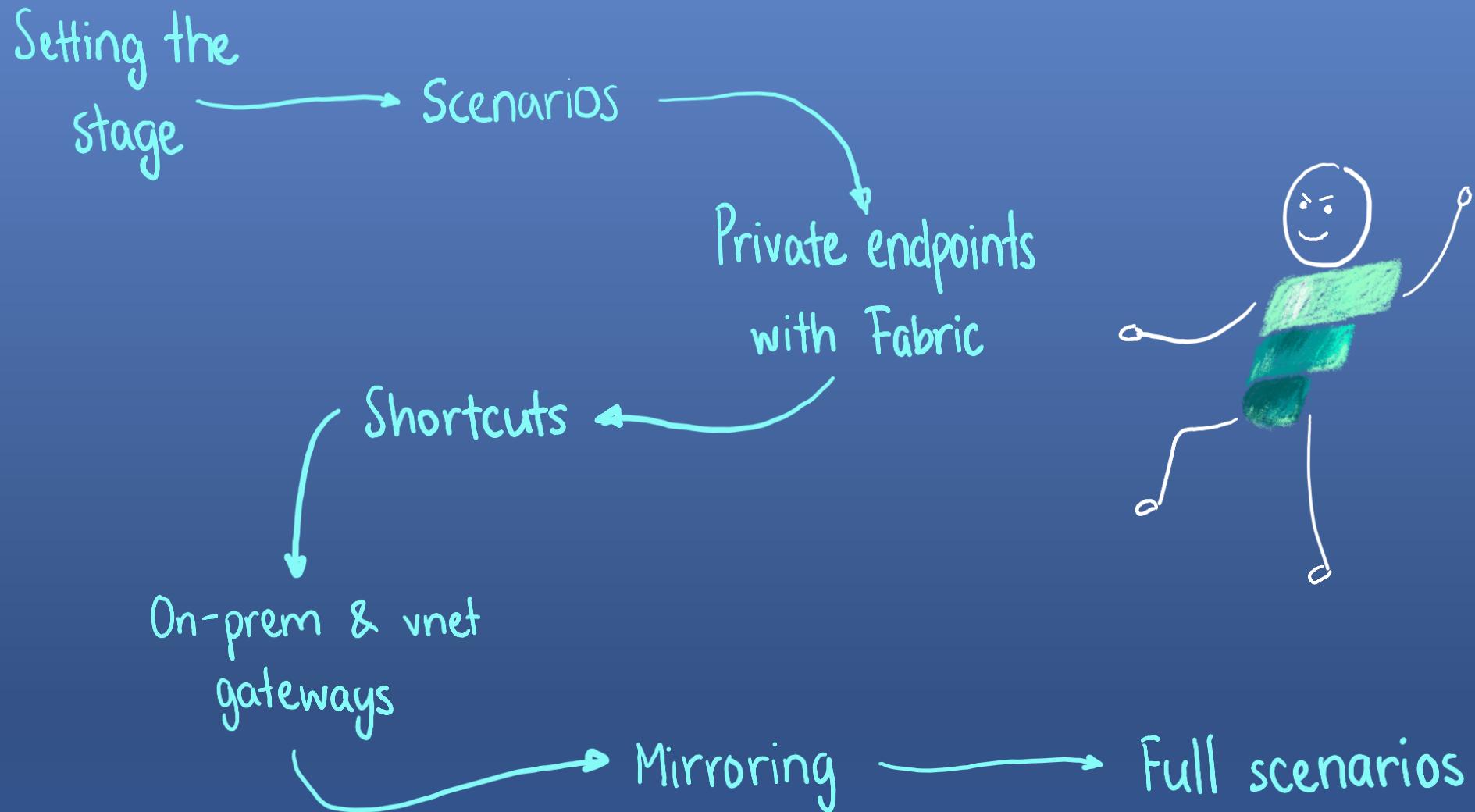




Fabric is still
young

↳ Things will change







Thank you!



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