



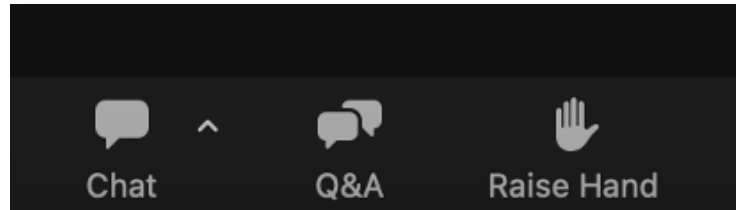
**SENTURUS**

# **Microsoft Fabric: Architecture or Marketecture?**



# Questions?

Click Q&A at the  
bottom of your screen



Submit questions  
in this section

A window titled 'Q&A' with a white background. It contains a 'Welcome to Q&A' message, a text input field for questions, and a dropdown menu for selecting who can see the questions.

**Q&A**

**Welcome to Q&A**

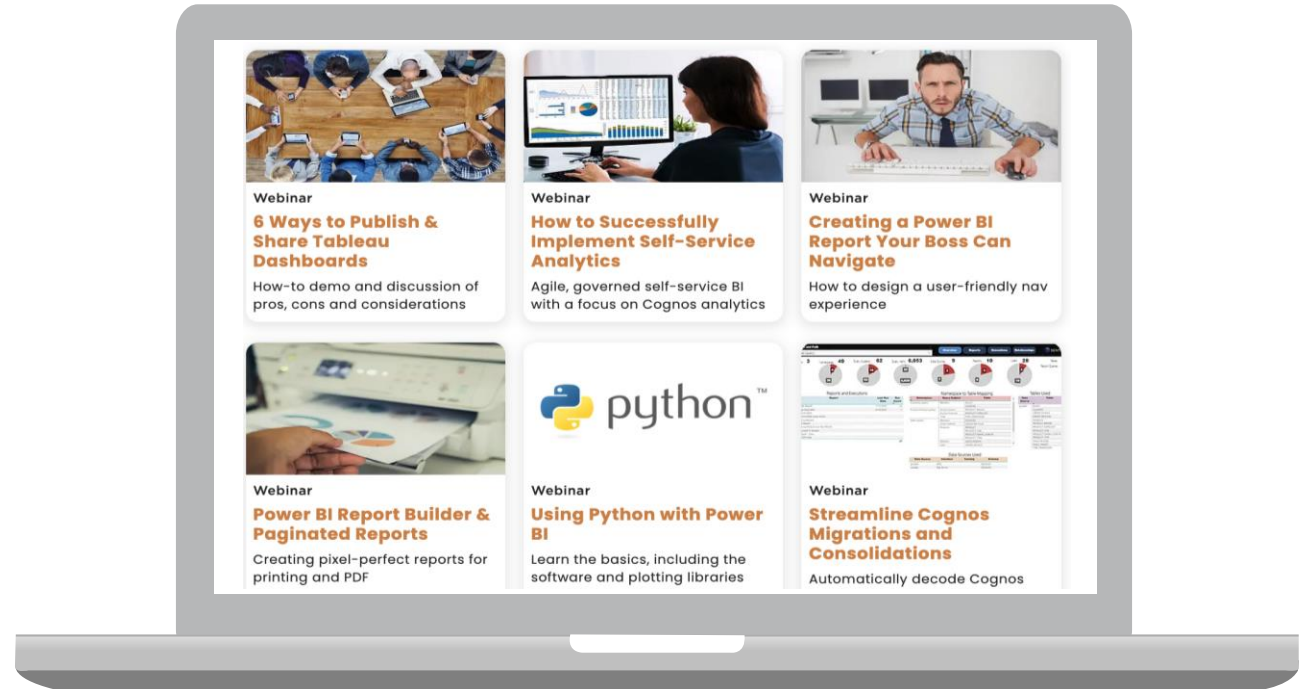
Questions you ask will show up here. Only host and panelists will be able to see all questions.

Type your question here...

Who can see your questions?

# To obtain this presentation

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[senturus.com/resources](https://senturus.com/resources)

# Agenda

- Introductions
- The road to Microsoft Fabric
- Fabric components
- Fabric reference architectures
- Marketecture or architecture?
- Additional resources
- About Senturus
- Q&A



# Introductions



**Joey Manning**

Microsoft Solution Architect  
Senturus, Inc.



**Steve Reed Pittman**

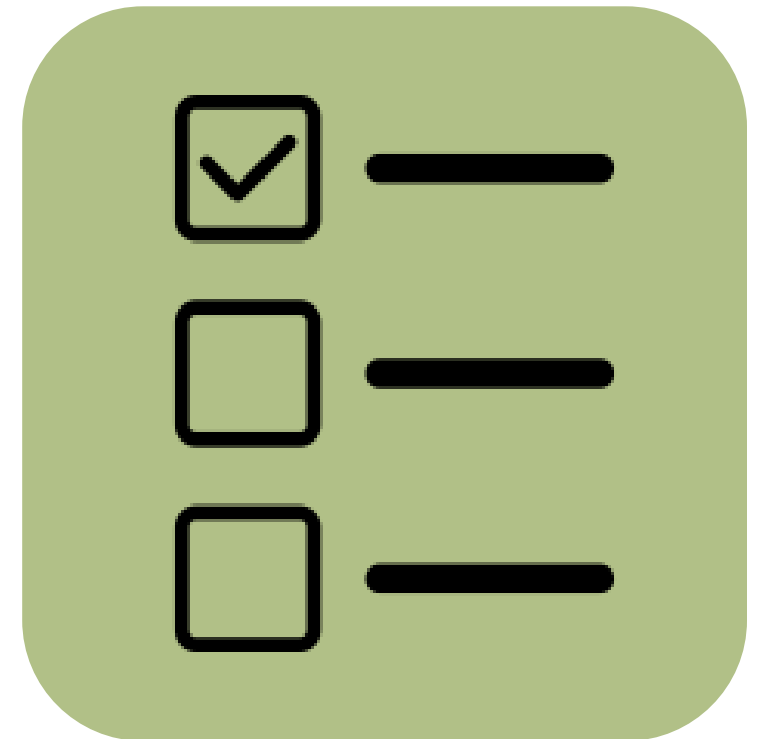
Director  
Enterprise Architecture and Engineering  
Senturus, Inc.



# Poll #1

What is your company doing about Microsoft Fabric?

1. Watching and waiting
2. Actively researching
3. In development
4. In production
5. What's Microsoft Fabric?

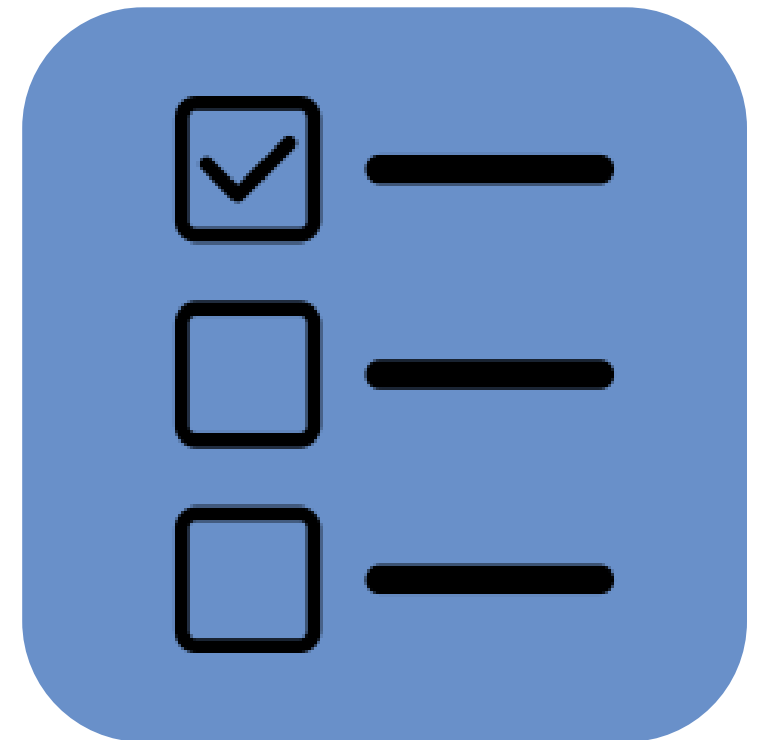


<input checked="" type="checkbox"/>	<input type="radio"/>
<input type="checkbox"/>	<input type="radio"/>
<input type="checkbox"/>	<input type="radio"/>

# Poll #2

What are your biggest concerns about Microsoft Fabric?

1. Administration
2. Cost
3. Governance
4. Security



A blue rounded rectangle containing three rows of a checkbox and a radio button. The first row has a checked checkbox and a selected radio button. The second and third rows have unchecked checkboxes and unselected radio buttons.

<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
<input type="checkbox"/>	<input type="radio"/>
<input type="checkbox"/>	<input type="radio"/>

# Problems with traditional architecture

- Lack of Data Transparency
- IT becomes a bottleneck
- Role-specific IT experts
- Long time to value
- Users build their own data sets and reports
- Inconsistent reporting between groups
- Governance and security complexity





# The road to Microsoft Fabric

- 1. **Storage** – Data Lake
- 2. **Compute** – Databricks
- 3. **Orchestration** – Data Factory
- 4. **Visualization** – Power BI



Data Factory  
2015

Data Lake  
2016

Databricks  
2017

Data Explorer  
2018



## Fabric

Fully integrated SAAS offering on Delta Lake format

Public Preview  
May 2023

Generally Available  
Nov 2023



Power BI  
2015

## Azure Synapse Analytics

Unified data PAAS offering

## What's Next

- Governance
- Master Data Management
- Security
- Network integration

# What we like about Fabric

- SAAS: provision once, fully managed
- Empowers citizen developers
- Consolidated, browser-based end-to-end data analytics
- Facilitates consolidation of the data estate
- Faster time to value
- Data analytics meets AI (Copilots)

# Common Fabric questions

**01** Is it limited to Azure?

**02** Can it really access my data?

**03** How does it handle governance?

**04** What are Fabric's security capabilities?



# Microsoft Fabric experiences



## Compute



### Data Factory

- Data pipeline
- Dataflow Gen2



### Synapse Data

- Lakehouse
- Notebook
- **Environment \***
- Spark Job Definition
- Data pipeline



### Synapse Data Warehouse

- Warehouse
- Data pipeline
- Dataflow Gen2



### Synapse Data Science

- ML Model
- Experiment
- Notebook
- **Environment \***



### Synapse Real-Time Analytics

- KQL Database
- KQL Queryset
- Eventstream



### Power BI

- Workspace
- Semantic Models
- Report



### Data Activator

- **Reflex \***

## Storage



### KQL Database



### OneLake



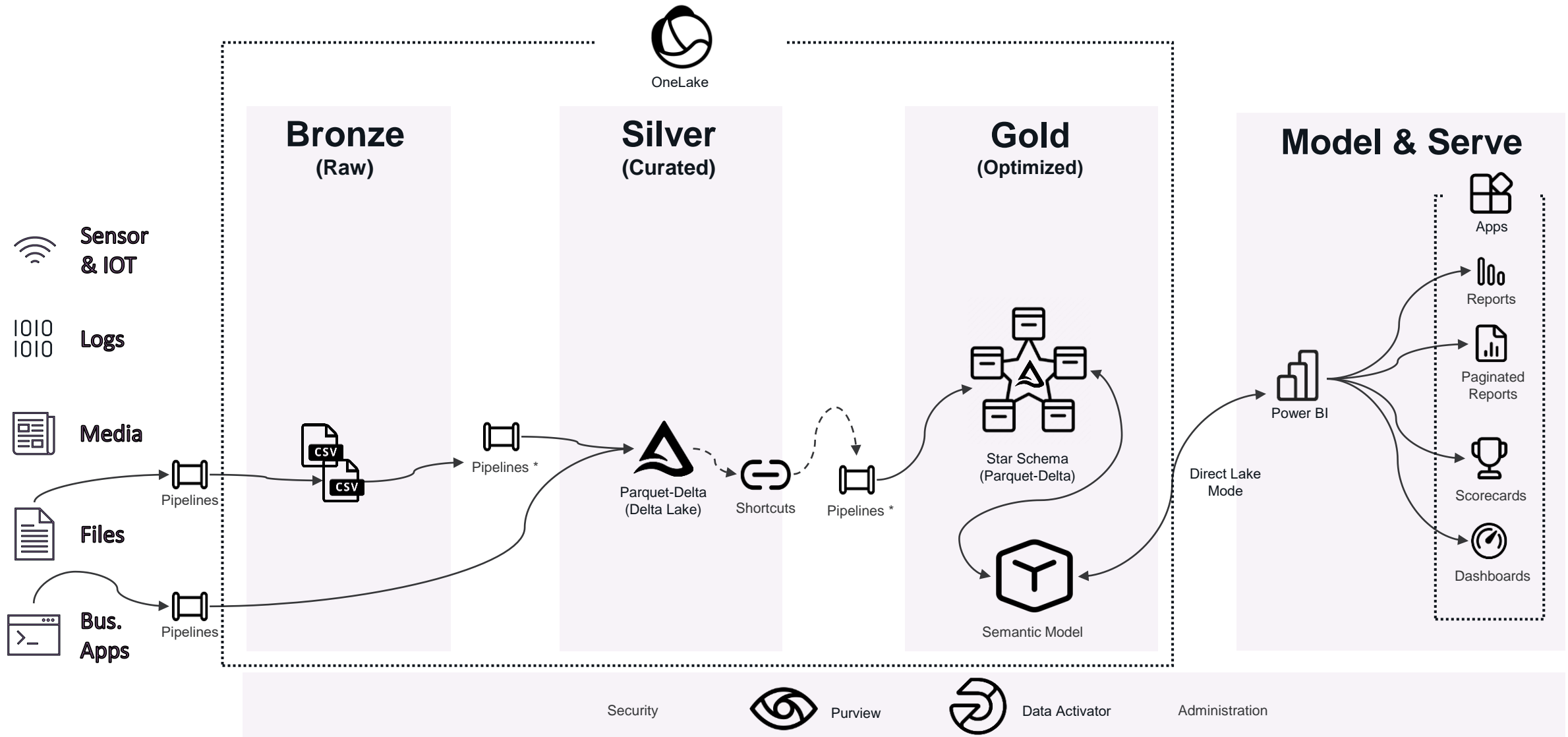
### Data Warehouse

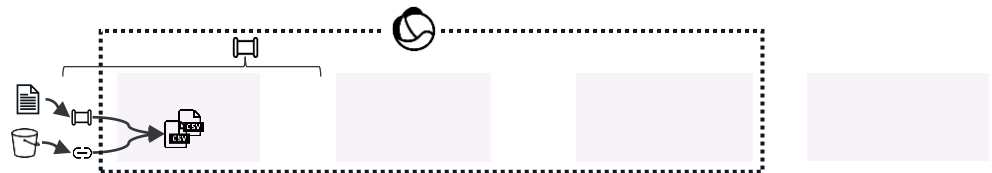


### Data Lakehouse

# Fabric reference architectures

*Modern “data warehouse”*





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Power BI

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Q Search

Fabric Trial:  
59 days left

46

?

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Workspaces

Lunch and Learn

Power BI

+ New report

New items saved to: Lunch and Learn

Recommended

<

>

You frequently open this

Envisor Analytics - Dataset

You frequently open this

Item Sales Report

You frequently open this

Prudential Demo

You frequently open this

Envisor Analytics - Dataset Cost and Usage

Getting started with Power BI

Explore basic Power BI concepts

Recent

Favorites

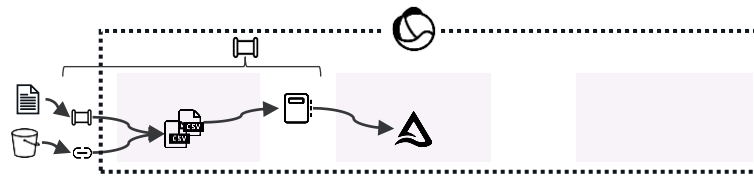
My apps

Q Filter by keyword

Filter

	Name	Type	Opened	Location	Endorsement	Sensitivity
	LunchNLearn	Lakehouse	48 seconds ago	Lunch and Learn	—	—
	Lunch and Learn	Workspace	51 seconds ago	Workspaces	—	—
	Envisor Analytics iPost	Workspace	an hour ago	Workspaces	—	—
	Explore Sales Orders	Notebook	an hour ago	My workspace	—	—
	Envisor Analytics iPost Dev	Workspace	16 hours ago	Workspaces	—	—





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Open notebook

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Explorer

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new\_sales

Files

Amazon-S3-Demo

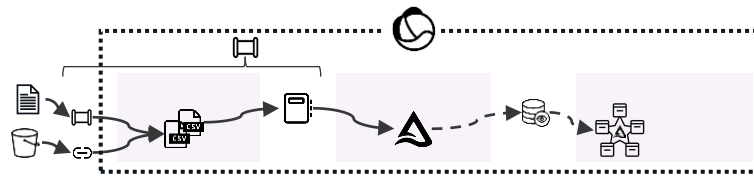
new\_data

new\_sales

Showing 1000 rows

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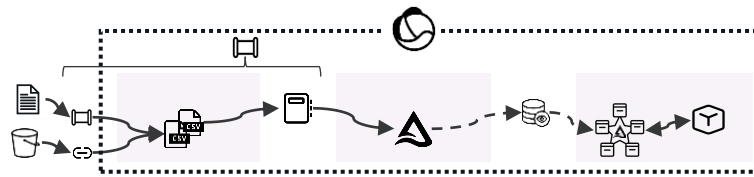
Amazon-S3-Demo

new\_data

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Showing 1000 rows

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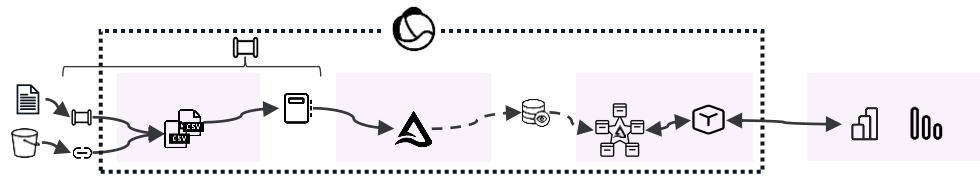
Amazon-S3-Demo

new\_data

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SalesModel

Search

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New measure

New column

New table

Manage roles

Manage relationships

New report

Edit tables

DimCustomer

dimdate

FactSales

DimProduct

Relationship

Table: FactSales, Column: OrderDate

Cardinality: Many to one (\*:1)

Table: dimdate, Column: Date

Make this relationship active: Yes

Cross filter direction: Single

Assume referential integrity: No

Apply changes

Open relationship editor

DimCustomer

dimdate

FactSales

DimProduct

All tables

+

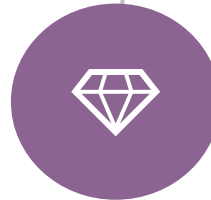
Power BI

# In summation

Fabric: marketecture or architecture?

Fabric has a lot of moving parts

Fabric can accelerate time to value for many use cases



*Architecture*

**Ready to check it out?**

**Kickstart a Fabric POC**

# Common questions: final take

Azure only

**Architecture**

Data access

**Architecture**

Governance

**Marketecture**

Security

**Marketecture**

**Stay Tuned!**



# Additional resources

## Unbiased product reviews



## Technical tips



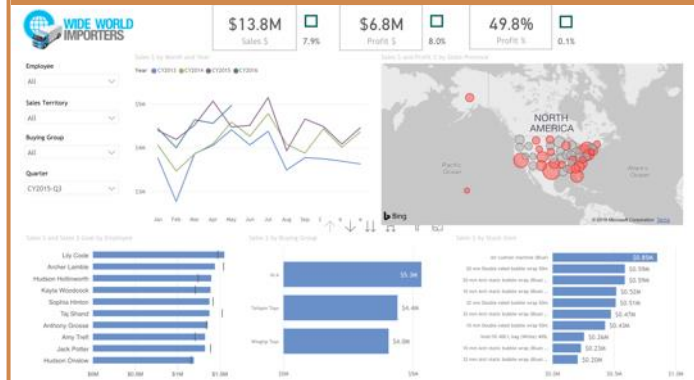
## Insider viewpoints



## More on this subject



## Product demos



## Upcoming events



# Upcoming events

## **Use Live Data from Power BI in Microsoft 365 Apps**

Thursday, January 25, 11am PT/2pm ET

## **In-Person Workshop: Microsoft Fabric**

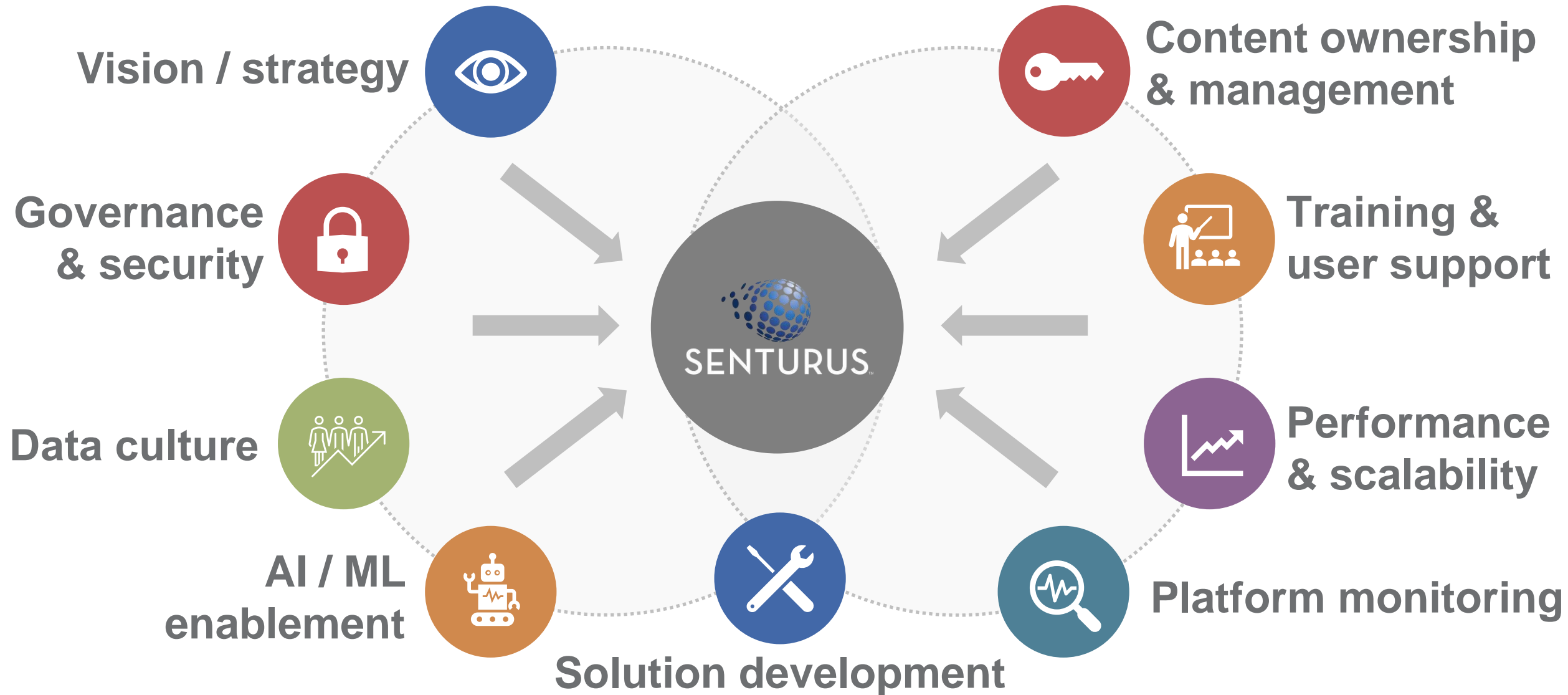
Date and location to be announced

**Register at [senturus.com/events](https://senturus.com/events)**





# Modern BI: accelerated & accessible



# A long, strong history of success

22 years

1400+ clients

3000+ projects

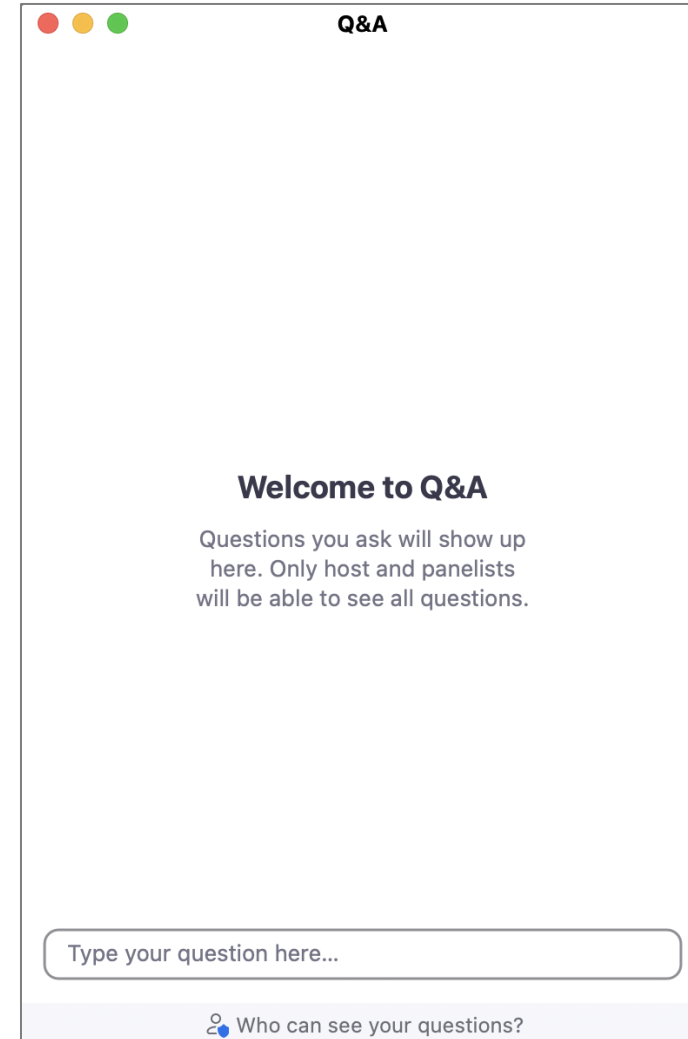


# Q & A

If your question or issue is broader than what we are able to answer today, contact us at:

**info@senturus.com**

and we will set up a free consultation.

A screenshot of a web application window titled "Q&A". The window has a standard macOS-style title bar with red, yellow, and green window control buttons. The main content area is white and contains a welcome message: "Welcome to Q&A" in bold, followed by "Questions you ask will show up here. Only host and panelists will be able to see all questions." in a smaller font. At the bottom of the window, there is a light blue footer bar. On the left side of this bar is a small icon of a person with a speech bubble, and to its right is the text "Who can see your questions?". Above this footer bar is a white text input field with the placeholder text "Type your question here...".

Q&A

**Welcome to Q&A**

Questions you ask will show up here. Only host and panelists will be able to see all questions.

Type your question here...

Who can see your questions?

# Thank You



## SENTURUS

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