



# SQL on Azure

Webinar 4:  
**Innovation with Advanced Azure Data Solutions**

**Michael Morrison**  
**Azure Solutions Architect at SYNNEX**

# SQL on Azure

## Webinars in this series

- Webinar 1: **Choosing the right modernization path for SQL Server 2008**
- Webinar 2: **Migrating to SQL Server on Azure with The Cloud Adoption Framework**
- Webinar 3: **Deploying Azure SQL**
- Webinar 4: **Innovation with Advanced Azure Data Solutions**

<https://resources.synnecorp.com/>



# SQL on Azure

**REVIEW** – Webinar 1: **Choosing the right modernization path for SQL Server 2008**

- **Extended Support for SQL Server 2008 and 2008 R2 will end on July 9, 2019.**



# SQL on Azure

**REVIEW** – Webinar 1: **Choosing the right modernization path for SQL Server 2008**

## **Option 1 Migrate to Azure, get free Extended Security Updates**

**Extended Security Updates will be available for free in Azure for 2008 and 2008 R2 versions of SQL Server** and Windows Server to help secure your workloads for three more years after the end of support deadline. You can rehost these workloads to Azure with no application code change. This gives you more time to plan your future path, including upgrading to newer versions such as SQL Server 2017 or Windows Server 2016 and utilizing the rich set of platform and data services available in Azure.



# SQL on Azure

**REVIEW** – Webinar 1: **Choosing the right modernization path for SQL Server 2008**

## **Option 2 Upgrade on-premises environments and stay protected**

If you want to **keep running on-premises**, we recommend that you upgrade to the latest version of SQL Server and Windows Server to get the strongest security and latest innovation. SQL Server 2017 and Windows Server 2016 are the new standard for performance and efficiency, and both include built-in security features to help you harden your platform



# SQL on Azure

**REVIEW** – Webinar 1: **Choosing the right modernization path for SQL Server 2008**

## **Option 2 Upgrade on-premises environments and stay protected**

### **What is the price for Extended Security Updates?**

**In Azure:** Customers running 2008 or 2008 R2 versions of SQL Server and Windows Server in Azure virtual machines will get Extended Security Updates for free.

**On-premises:** Customers with active Software Assurance or subscription licenses can purchase Extended Security Updates **annually for 75 percent of the full license cost of the latest version of SQL Server or Windows Server**. Customers pay for only the servers they need to cover, so they can reduce costs each year as they upgrade parts of their environment.



# SQL on Azure

**REVIEW** – Webinar 1: Choosing the right modernization path for SQL Server 2008

**Option 1** Migrate to Azure, get free Extended Security Updates

**Option 2** Upgrade on-premises environments and stay protected



# SQL on Azure

**REVIEW** – Webinar 1: **Migrating to SQL Server on Azure with The Cloud Adoption Framework**

## SQL Server migration

### OPPORTUNITY

1 in 3 on-premises databases is a SQL Server<sup>1</sup>  
98 of Fortune 100 run SQL Server

### SOLUTION

Azure SQL Database Managed Instance  
Migrate SQL apps without changing code  
Code parity | Evergreen | Built-in HA

### GO-DOS

#### Migrate

SQL Server to Azure SQL Database  
Managed Instance

#### Migrate

SQL Server to Azure VMs based on  
customer scenario

#### Help customers save money

with Server Subscriptions & Extended  
Security Updates





# SQL on Azure

## REVIEW – Webinar 1: Migrating to SQL Server on Azure with The Cloud Adoption Framework

50%

Of large SMBs are moving to the cloud in the next 12 months

Source: Microsoft Internal Research on US Quantitative survey of SMB (TDMs and BDMs currently using or considering cloud services (org size 75-249 employees)

\$72.4B

Cloud migration services account for up to 30% of the overall implementation service market, representing \$72.4 billion<sup>1</sup> in market revenue opportunities worldwide.

<sup>1</sup>In constant dollars  
Source: Market Insight: Cloud Migration Part 1—Where Are the Opportunities for Service Providers?  
By Gartner Research, published 17 May 2018

70%

The SMB markets account for ~70% of worldwide cloud migration service spending

Source: Gartner, Market Insight: Cloud Migration Part 1 — Where Are the Opportunities for Service Providers? Figure 4, May 2018

Companies that embrace data estate modernization with cloud, data, and AI

Nearly double

operating margin (1)

25%

Increase in IT productivity

40%

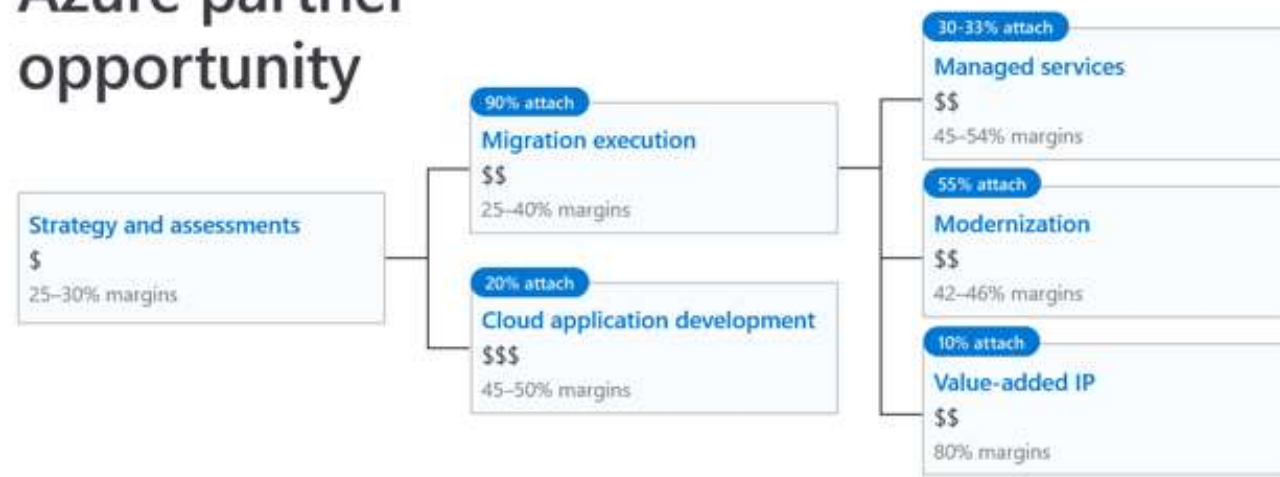
More productive database administrators

50%+

higher average net income on revenue (2)

Source:  
1) Keystone Strategy 2016  
2) The Total Economic Impact of Migration to Microsoft Azure SQL Managed Databases. <https://www.microsoft.com/azure/partners/news/article/the-total-economic-impact-tm-of-migration-to-microsoft-azure-sql-managed>

### Azure partner opportunity



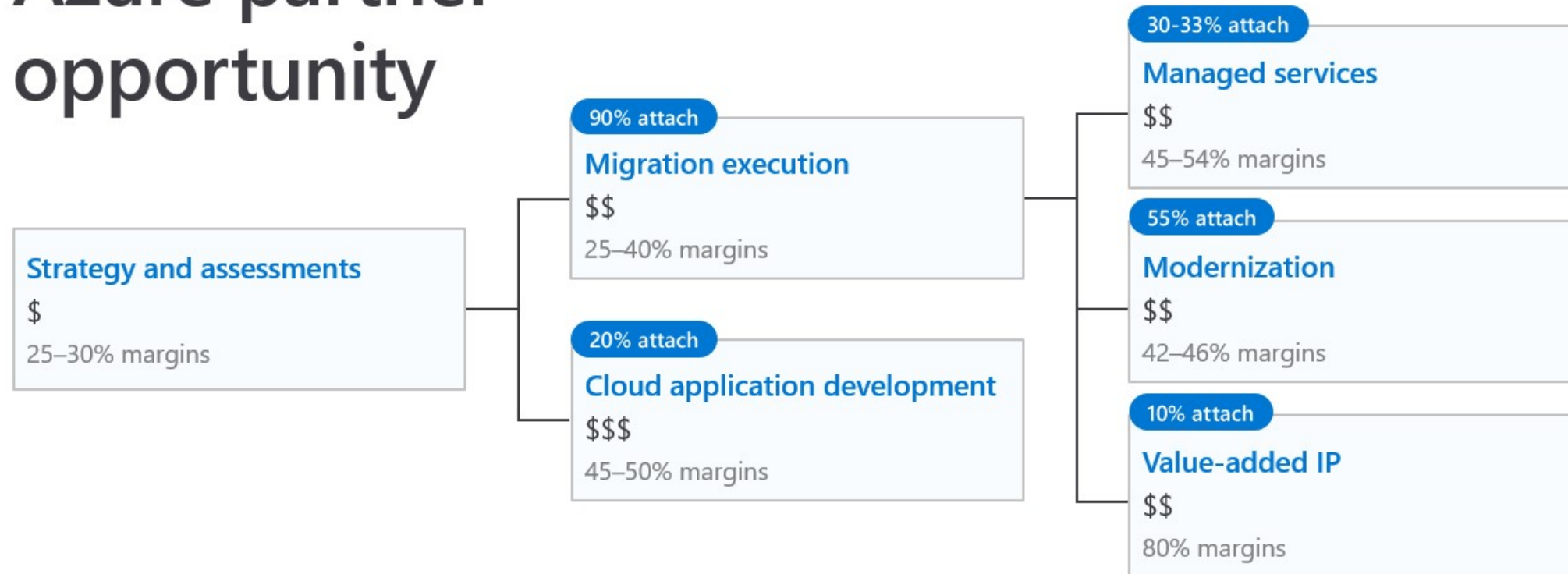
Note: all margins used in the chart above represent gross margins

Source: "The Partner Opportunity Assessment for Azure Service Providers," a commissioned Total Economic Impact™ study conducted by Forrester Consulting., July 2019

# SQL on Azure

**REVIEW** – Webinar 1: Migrating to SQL Server on Azure with The Cloud Adoption Framework

## Azure partner opportunity



# SQL on Azure

**REVIEW** – Webinar 2: Migrating to SQL Server on Azure with The Cloud Adoption Framework

## Optimize your revenue streams and opportunities

Driving revenue  
**\$35 billion**



estimated FY20 Microsoft US revenue



**\$335 billion\***



partner services

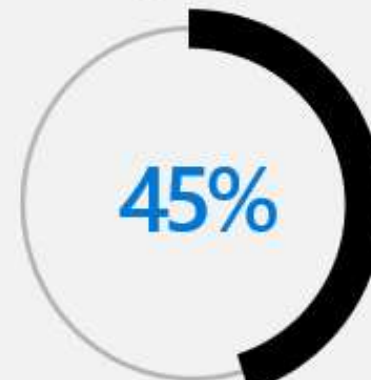
Product resell



Project services



Managed services



Packaged IP



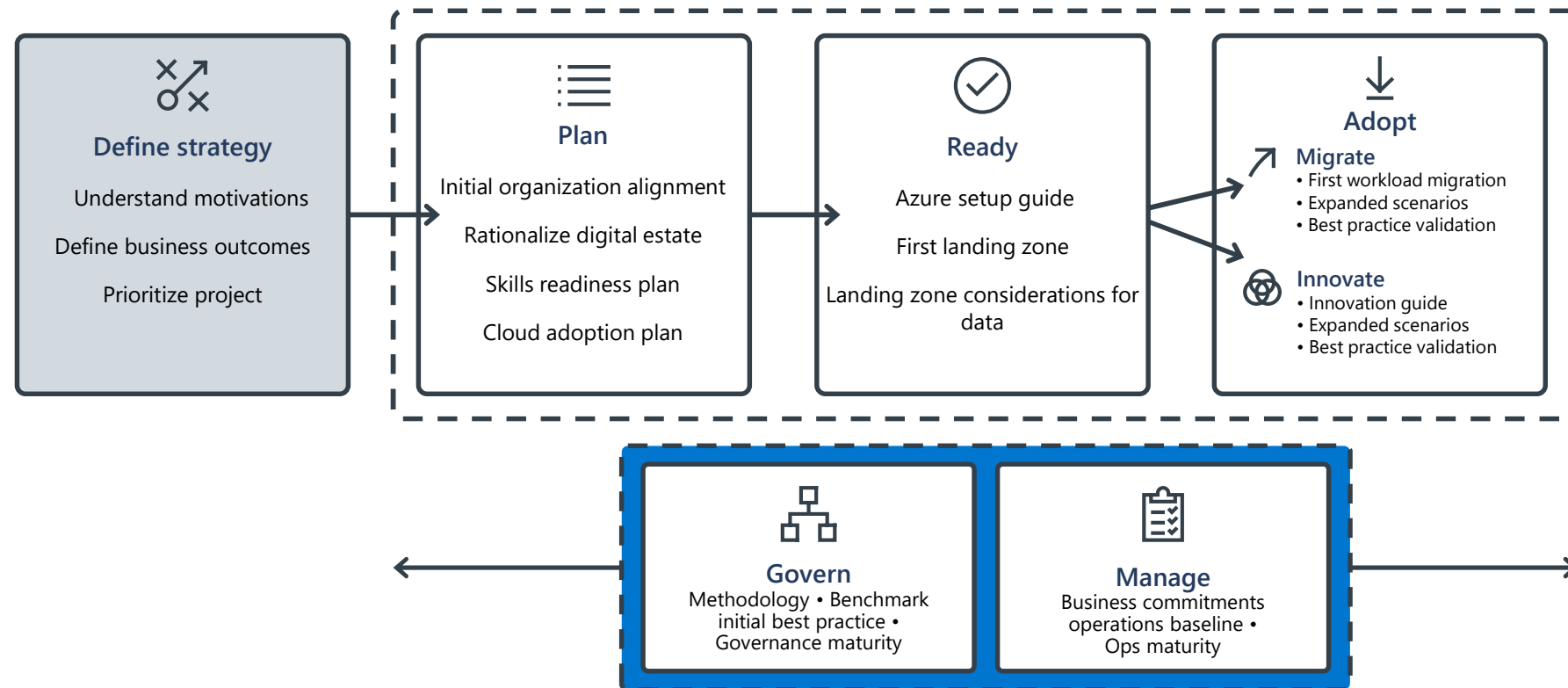
Recurring revenue sources

\*For every \$1 of revenue that Microsoft generates, partners generate an additional \$9.64 of revenue (IDC)

# SQL on Azure

**REVIEW** – Webinar 2: **Migrating to SQL Server on Azure with The Cloud Adoption Framework**

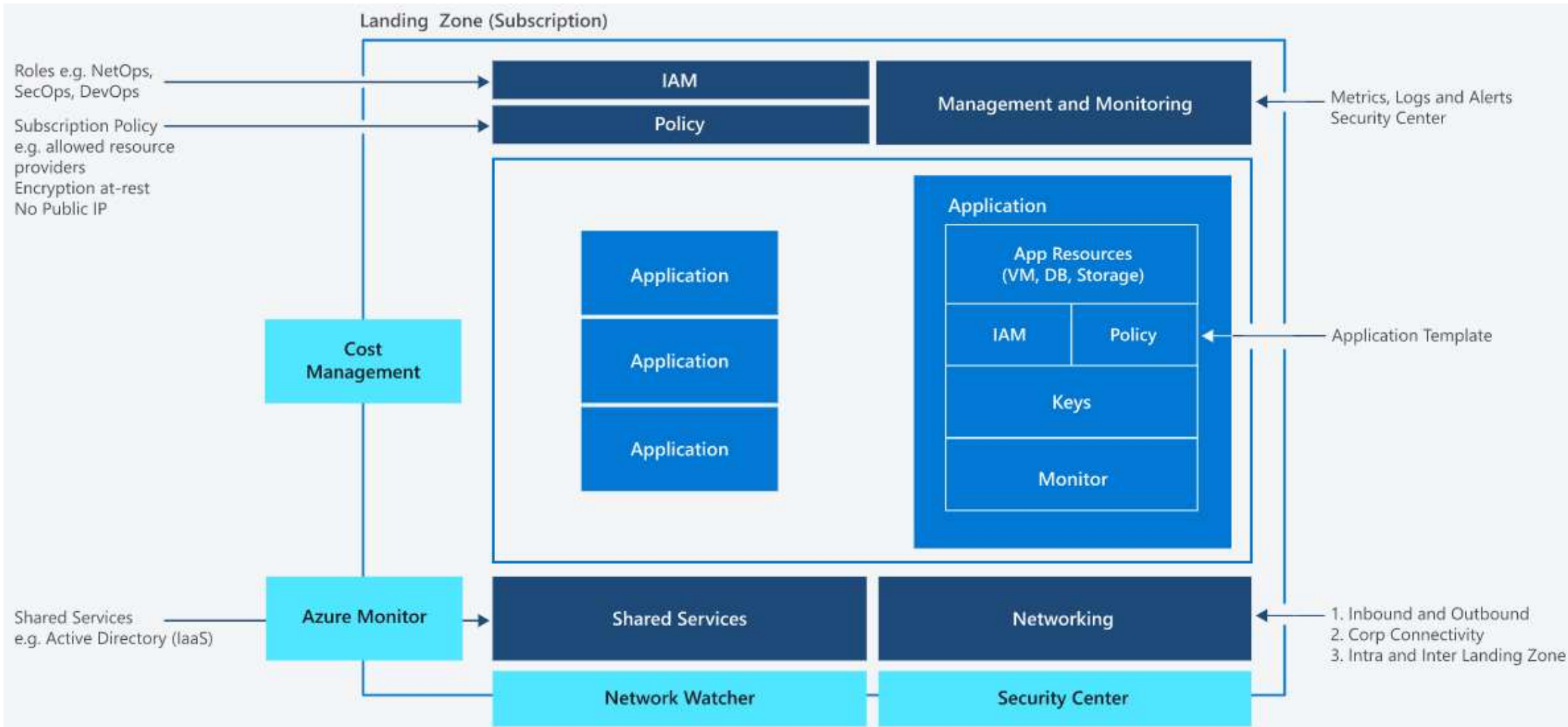
## Microsoft Cloud Adoption Framework for Azure



# SQL on Azure

**REVIEW** – Webinar 3: **Deploying Azure SQL**

## Build your cloud environment with Azure landing zones



**Cloud Adoption Framework**

<https://azure.microsoft.com/en-us/cloud-adoption-framework/#tools>

# SQL on Azure

**REVIEW** – Webinar 3: **Deploying Azure SQL**

You can “migrate” your on-prem SQL Server database to a SQL Server in an Azure VM, Managed Instance, or in an Azure SQL Database.

	SQL Server in Azure VM	Managed Instance	Azure SQL Database (Singleton/Elastic Pool)
Backup & Restore	<b>Yes</b>	<b>Yes</b>	No
Detach/Attach	<b>Yes</b>	No	No
Mirroring/Availability Groups	<b>Yes</b>	No	No
Log Shipping	<b>Yes</b>	No	No
Replication	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
DMA/DMS	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
Bulk Load	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>



# SQL on Azure

**Webinar 4:**  
**Innovation with Advanced Azure Data Solutions**



# SQL on Azure

## Advanced Data and Analytics Tools in Azure

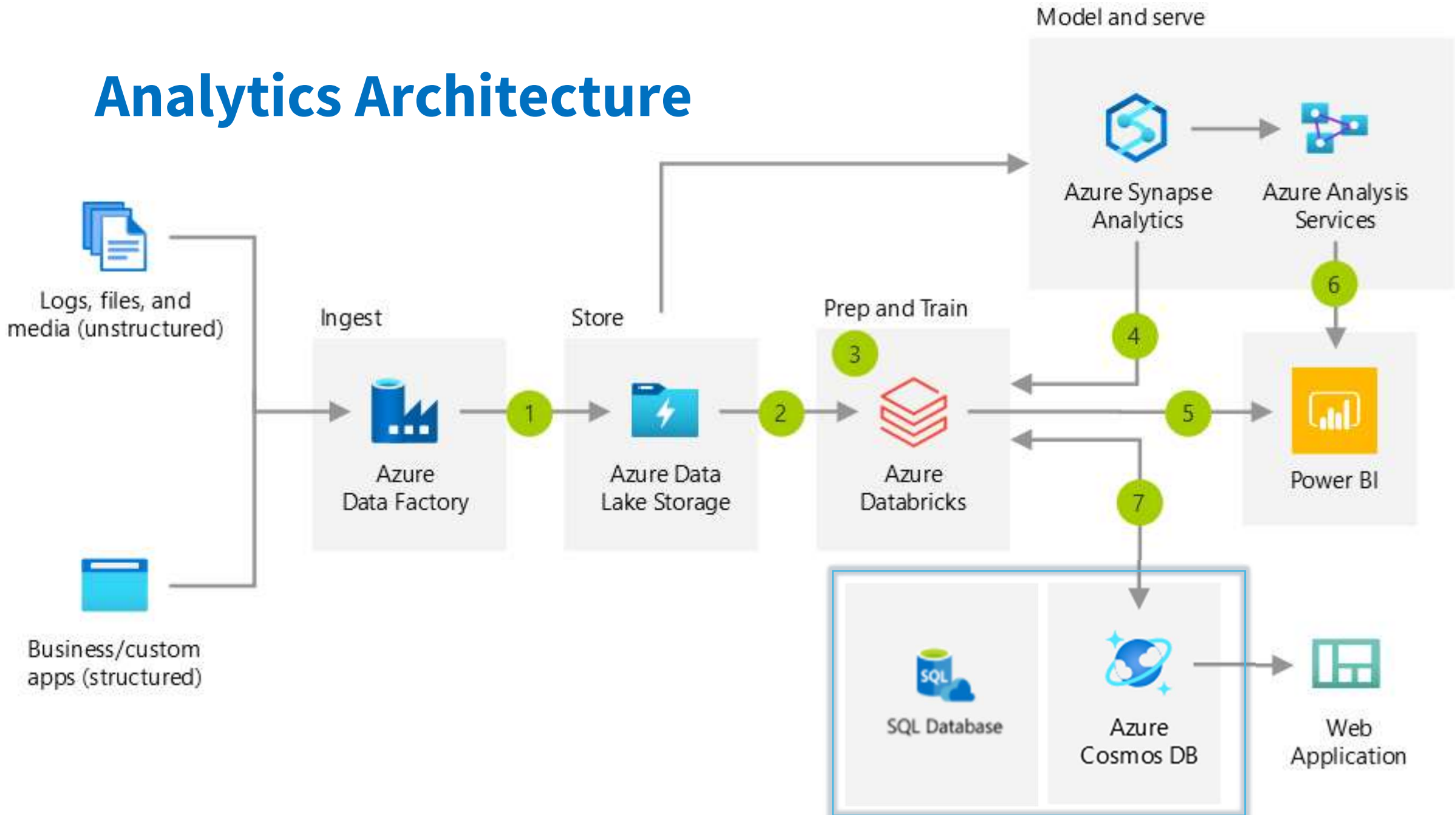
Azure gives customers access to advanced AI-driven tools to turn data into insights. Learn what the options are, and how to use them together to build a complete practice and enable your customer's entire business.





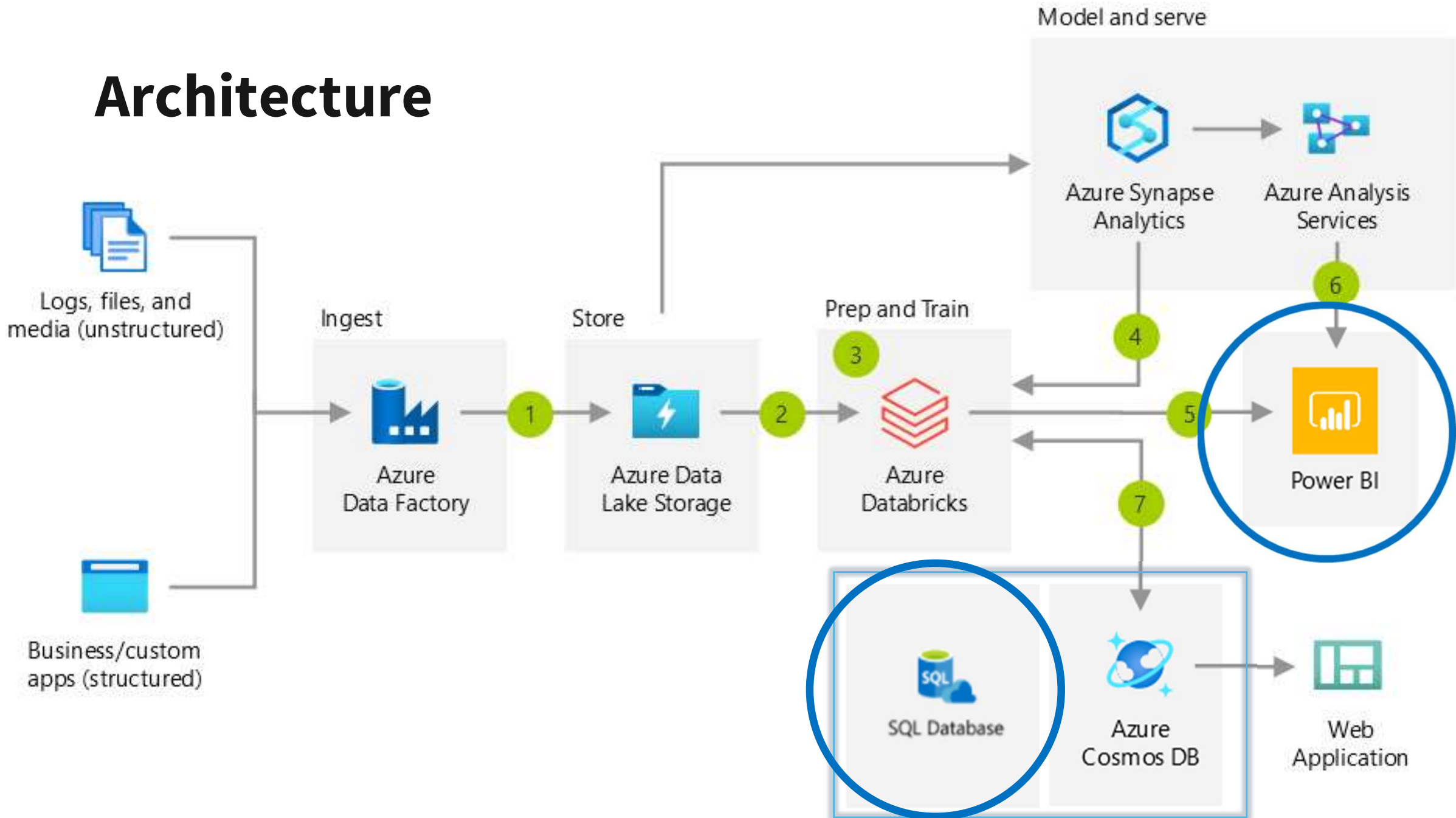
# Webinar 4: Innovation with Advanced Azure Data Solutions

## Analytics Architecture



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## Architecture



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## Microsoft AppSource



Microsoft Dynamics 365



Cortana Intelligence Suite



Azure IoT Suite

Common application platform: PowerApps, Microsoft Flow, Common Data Model

## Webinar 4: Innovation with Advanced Azure Data Solutions

# Microsoft Power Platform

The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications

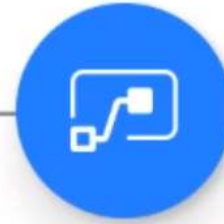
**Innovation anywhere. Unlocks value everywhere.**



**Power BI**  
Business analytics



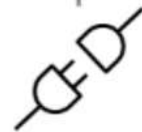
**Power Apps**  
Application development



**Power Automate**  
Process automation



**Power Virtual Agents**  
Intelligent virtual agents



**Data connectors**



**AI Builder**



**Common Data Service**

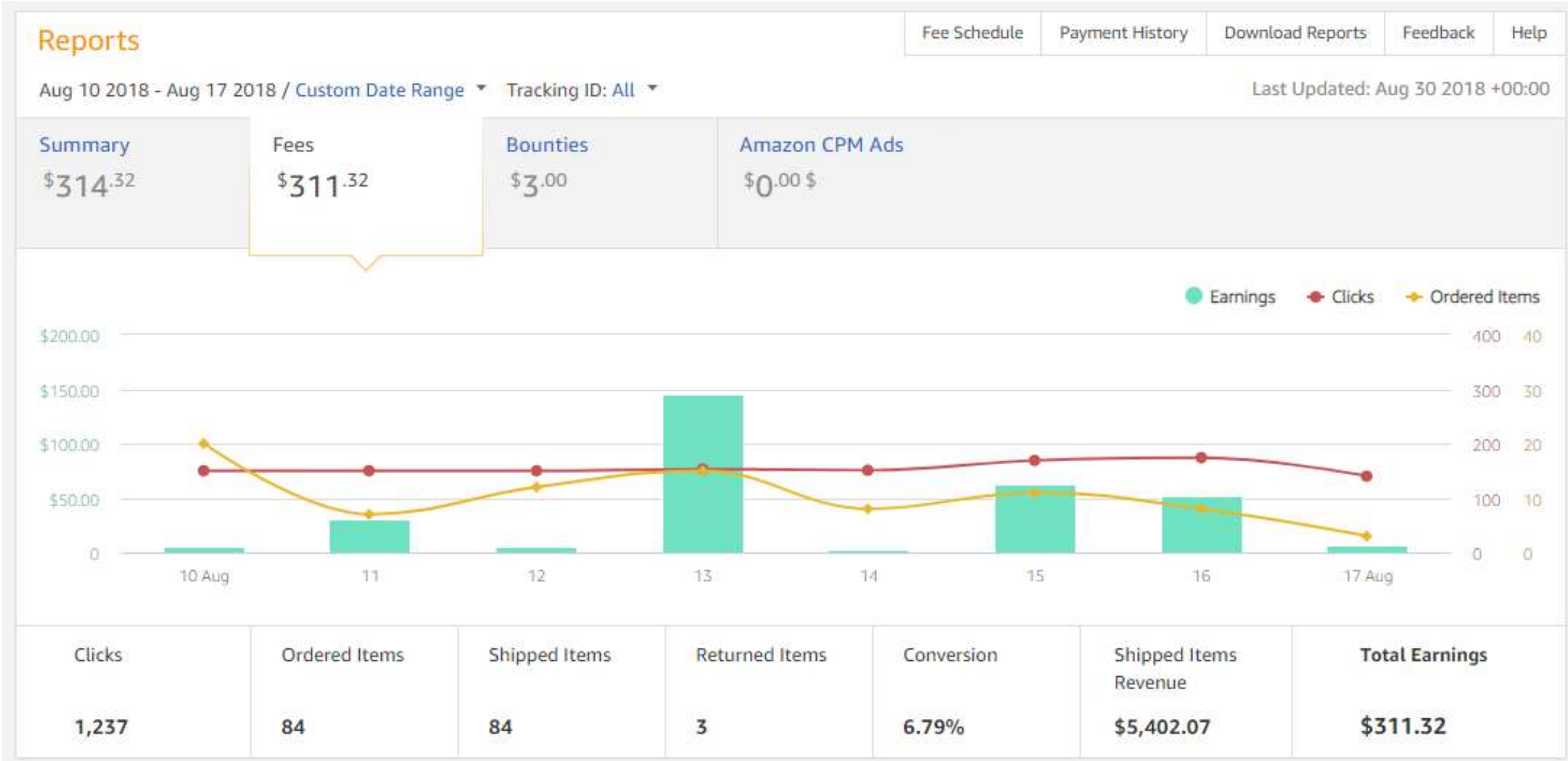


**SQL Database**

# SQL on Azure

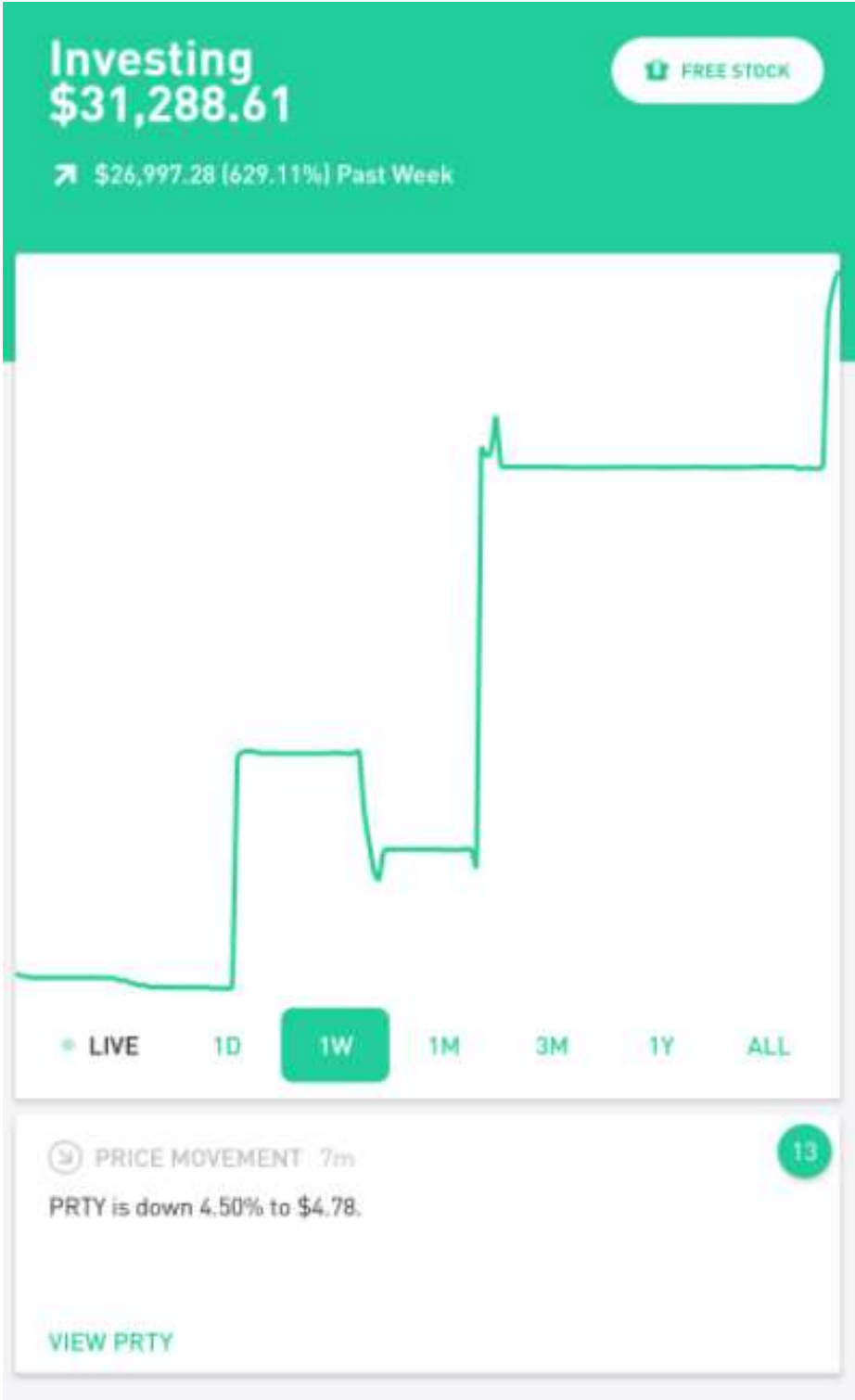


Power BI



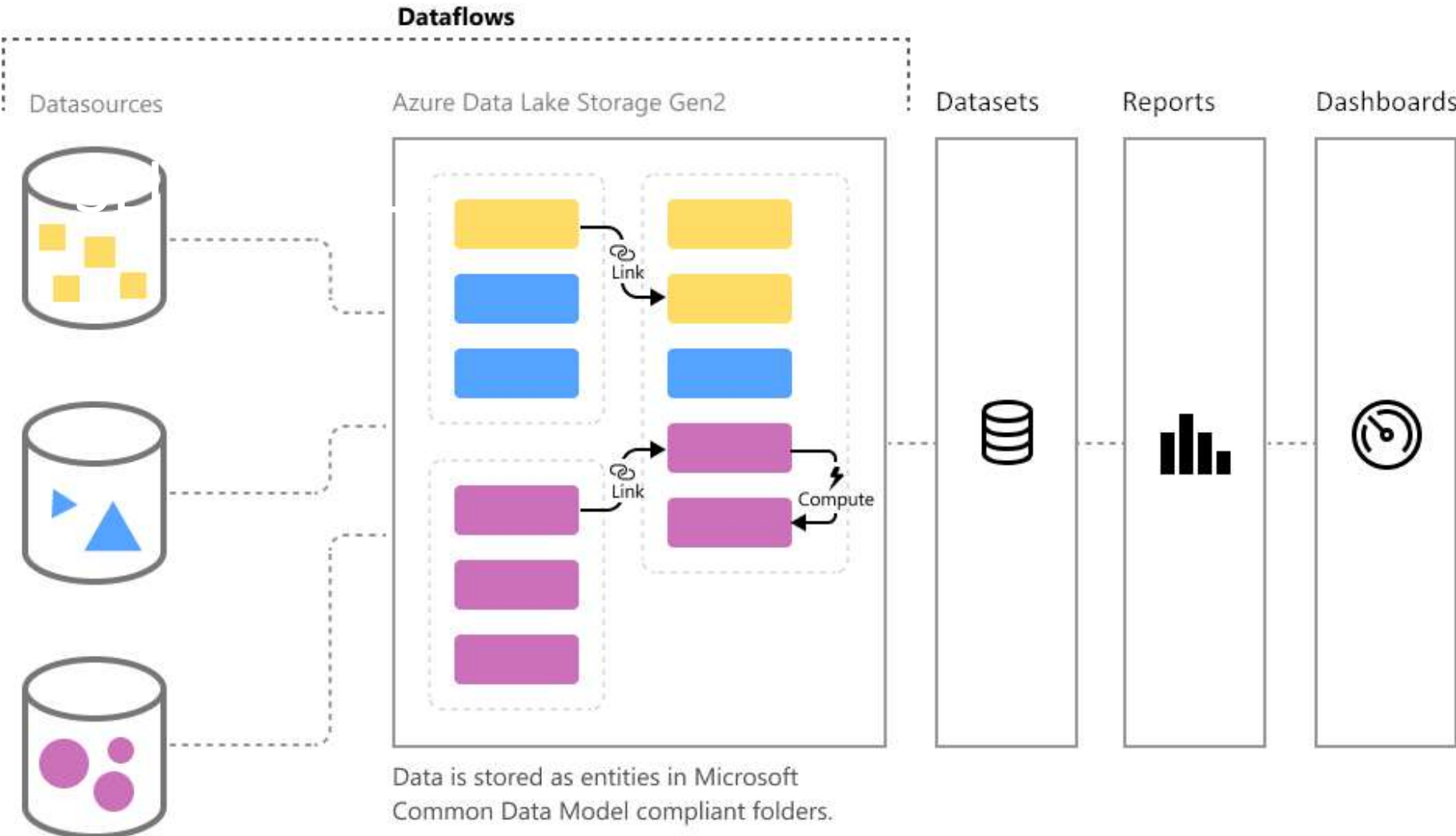
# SQL on Azure

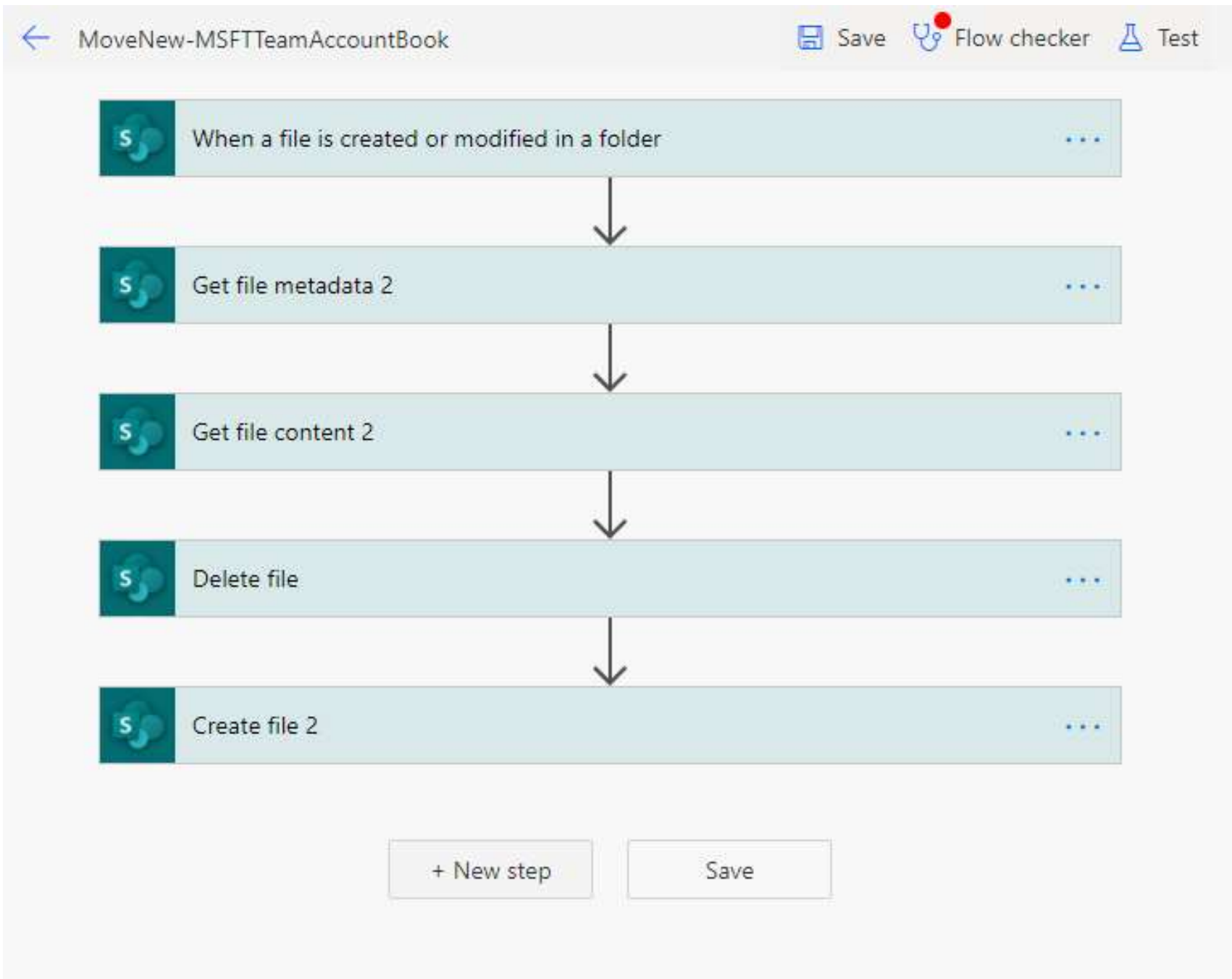
## Webinar 4: Innovation with Advanced Azure Data Solutions



# SQL on Azure

## Webinar 4: Innovation with Advanced Azure Data Solutions





Power Automate







# Laptop

Product · Information ▾

\$600.00

Price

1

Available

Mike Morrison

Owner



**General** | Reservations | Related

## General

Color

Black

White

Name\*

Laptop

Category ID

C1

Product Description 1

Accessories: Power cable, monitor adapter, ...

Product Description 2

15-inch screen Windows 10 laptop with Office 365

## Product Details

Category

## Reviews

Rating



Last updated:

11/13/2020 5:33 AM

## Reviews

+ New Review



Name ↑ ▾

Comments ▾

Rating ▾



A little small

This monitor is fine. I'd prefer something...



Amazing picture

The picture display is outstanding!



Compact and usable

Extremely compact, and surprisingly usa...



Excellent graphics

Very satisfied with the product. Excellent ...



Power Apps

# A very short list of Data Connectors



Google Drive



FTP



Wunderlist



Yammer



Slack



Google Sheets



SFTP



YouTube



Office 365 Groups



Todoist



Azure Blob Storage



Dynamics 365 for Fin & Ops



Flow management



Salesforce



Word Online (Business)



Azure AD



Box



Google Tasks



Excel Online (OneDrive)



Asana



Smartsheet



Azure Automation



HTTP with Azure AD



Facebook



SMTP



Twilio



JIRA



Azure Application Insights



Google Contacts



Azure Queues



Office 365 Outlook



SharePoint



OneDrive for Business



Notifications



Office 365 Users



RSS



Outlook.com



Google Calendar



Planner

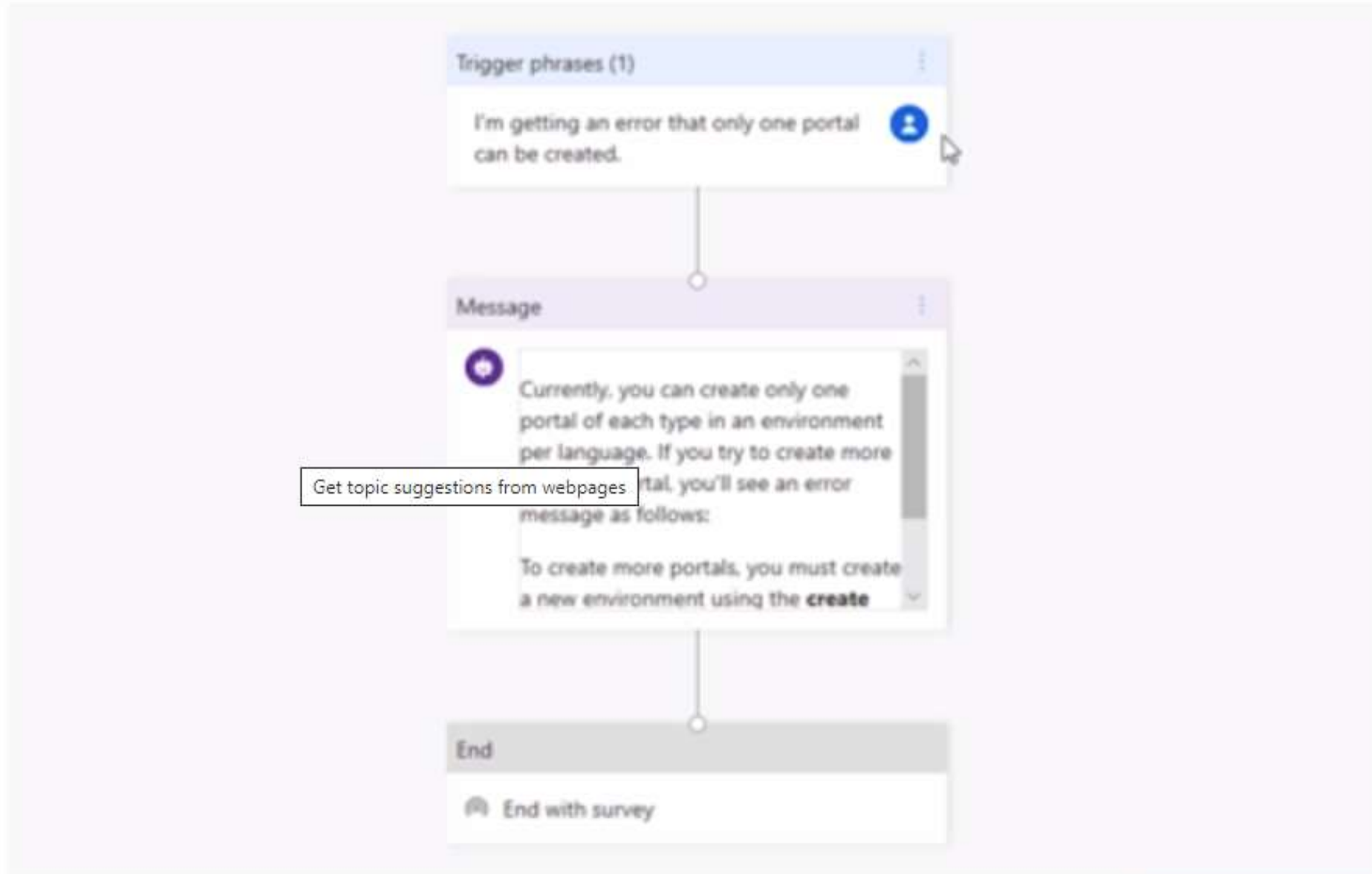


Microsoft Forms

Preview topic suggestion: I'm getting an error that only one portal can be created.



Power Virtual Agents



Get topic suggestions from webpages

Add to topics and edit

Add to topics

Delete suggestion

“Microsoft 365, Dynamics 365, and the **Power Platform**, on top of what we’re doing with Azure, is the core of what we are doing as a company.”

--Satya Nadella



Thank You

