Microsoft

Ignite Flash: News & Infos für Developer

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#SummITup

What's new in relational databases

General availability

Azure Database for MySQL Flexible Server

Azure Database for PostgreSQL Flexible Server

Public preview

Azure SQL Managed Instance

- Link feature in Azure SQL Managed Instance
- Premium-series, memory-optimized hardware
- Increased storage capacity to 16TB
- Windows authentication

What's new in NoSQL databases

General availability

Azure Managed Instance for Apache Cassandra

Azure Cosmos DB

- Provisioned throughput spending limit
- Azure Advisor cost-savings alerts
- Partial document updates
- Indexing metrics

Public preview

Azure Cosmos DB

- Azure Synapse Link custom partitions
- Logic Apps connector

Private preview

Azure OpenAI Service

will give customers access to OpenAI API with the security, compliance, and regional availability requirements that Azure offers.

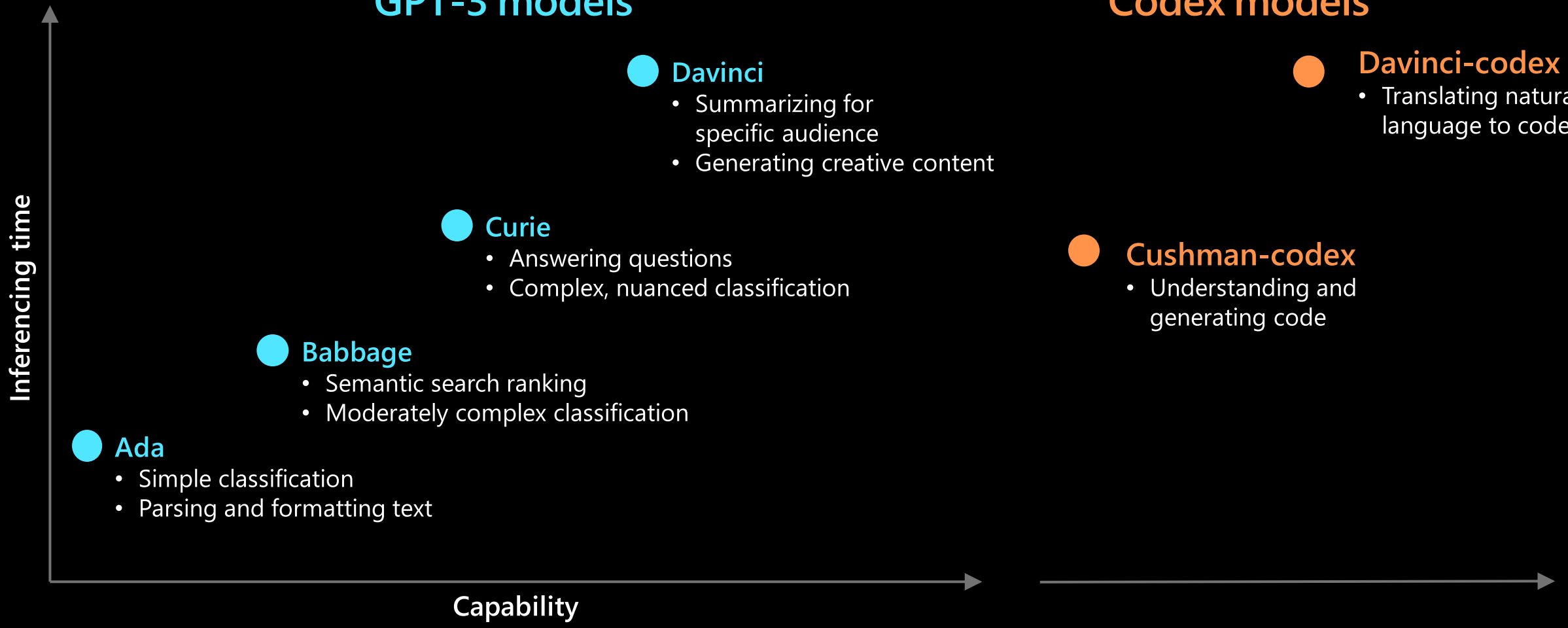
Unlock new use cases

Apply AI responsibly

Tailor to your needs

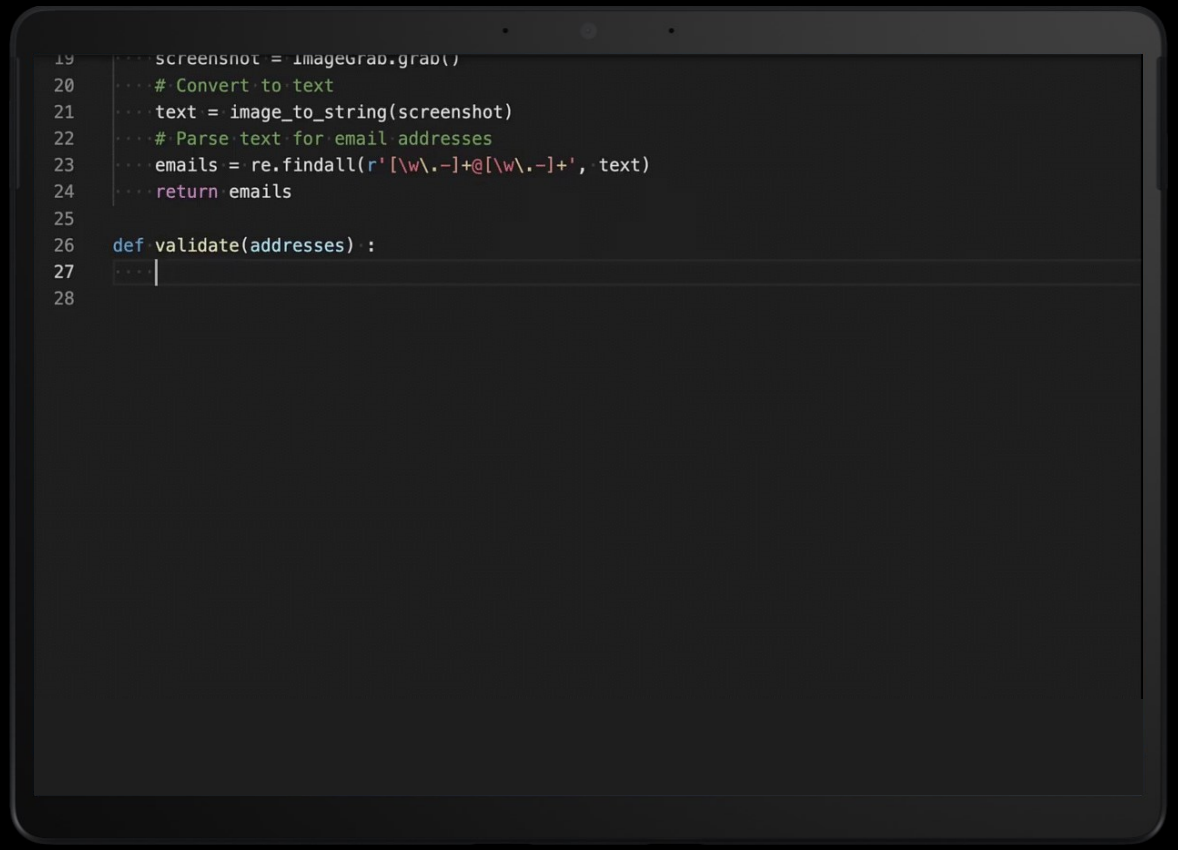
Access enterprise-grade security

OpenAI models



GitHub Copilot

Your AI pair programmer



Trained on billions of lines of public code, GitHub Copilot puts the knowledge you need at your fingertips, saving you time and helping you stay focused.

Powered by

OpenAI

Announcing

Secure deployments to Azure through seamless authentication with GitHub

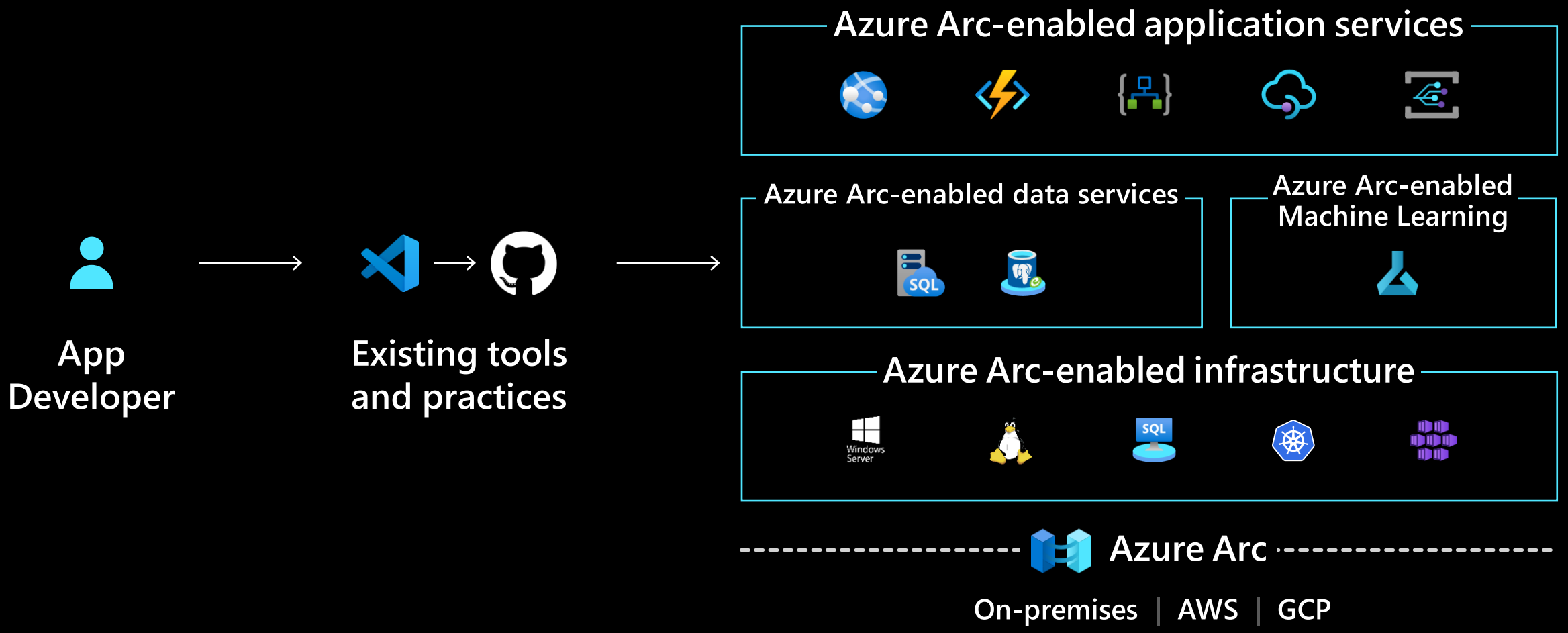
Public preview

Eliminate need to store Azure credentials in GitHub

Manage all cloud resources access in Azure

Minimize downtime due to credential expirations

Run your applications your way on any platform



What's new in Azure API Management

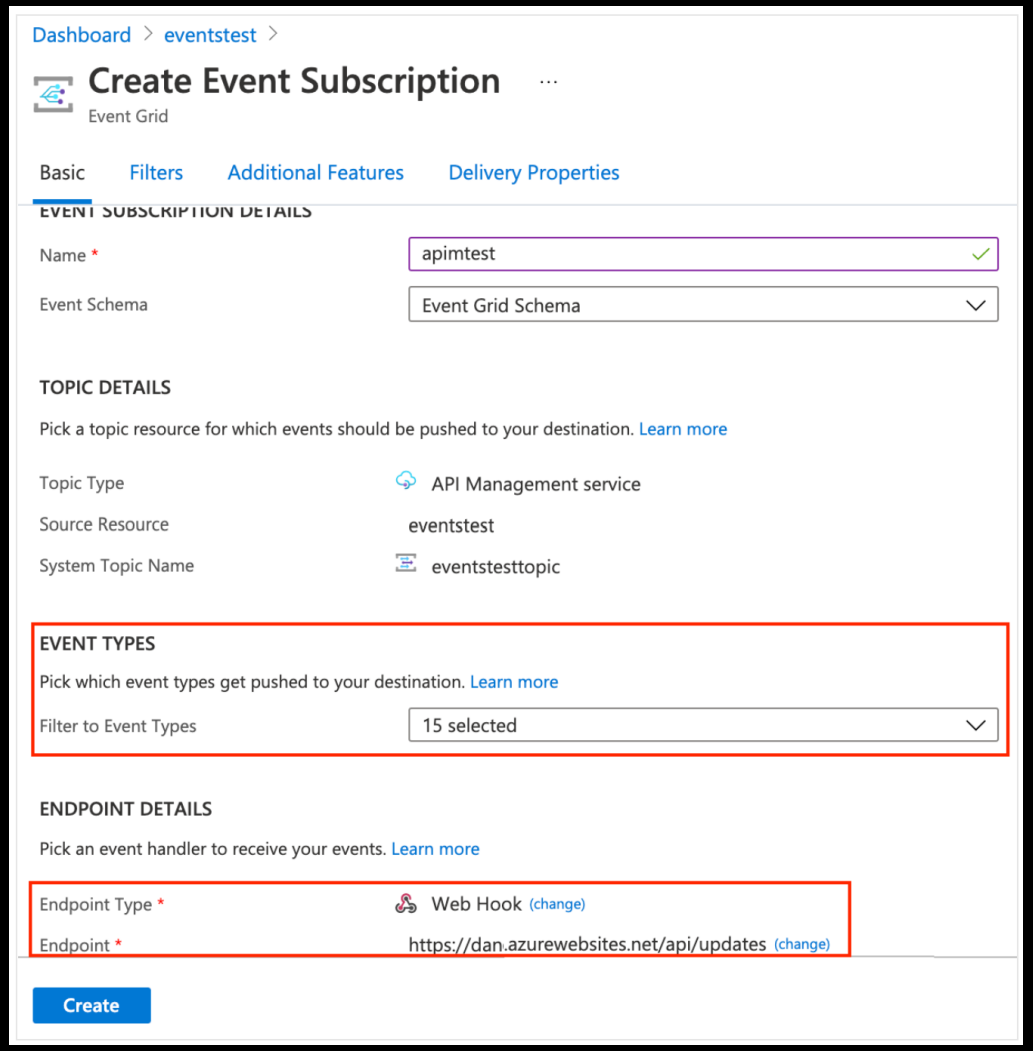
General availability

Native support for WebSocket APIs

Event Grid Integration

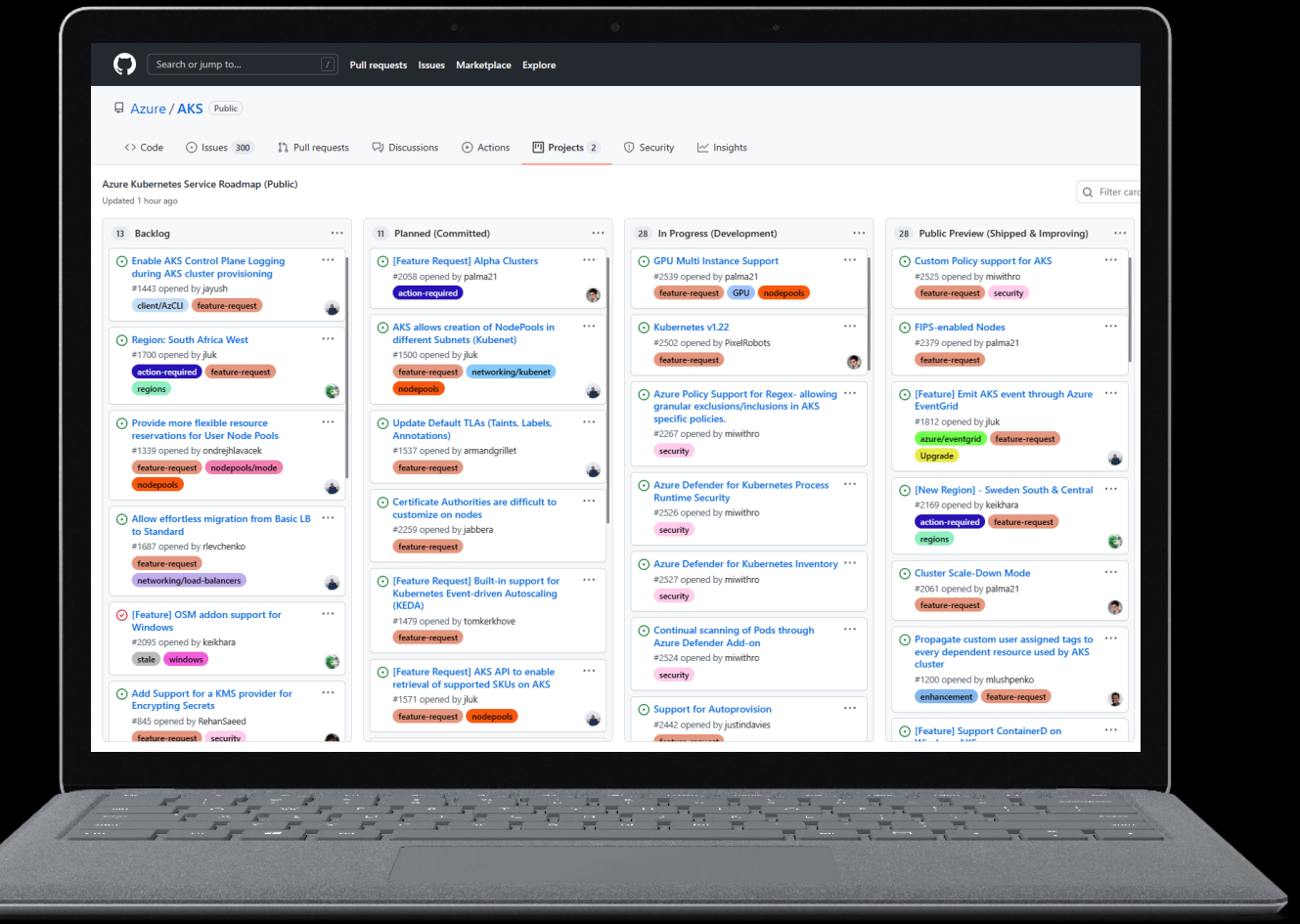
Public preview

GraphQL passthrough support



Kubernetes on Azure

Recent announcements and roadmap



Public roadmap: https://aka.ms/aks/roadmap

- **Preview** HTTPS proxy configuration support
- **Preview** NAT gateway integration
- **Preview** WebAssembly System Interface (WASI) node pools
- **Preview** Kubernetes 1.22
- **Preview** Dual-stack IPv6 overlay networking (Kubenet)
- **Preview** gMSAv2 security policy support on Windows

Azure Kubernetes Service

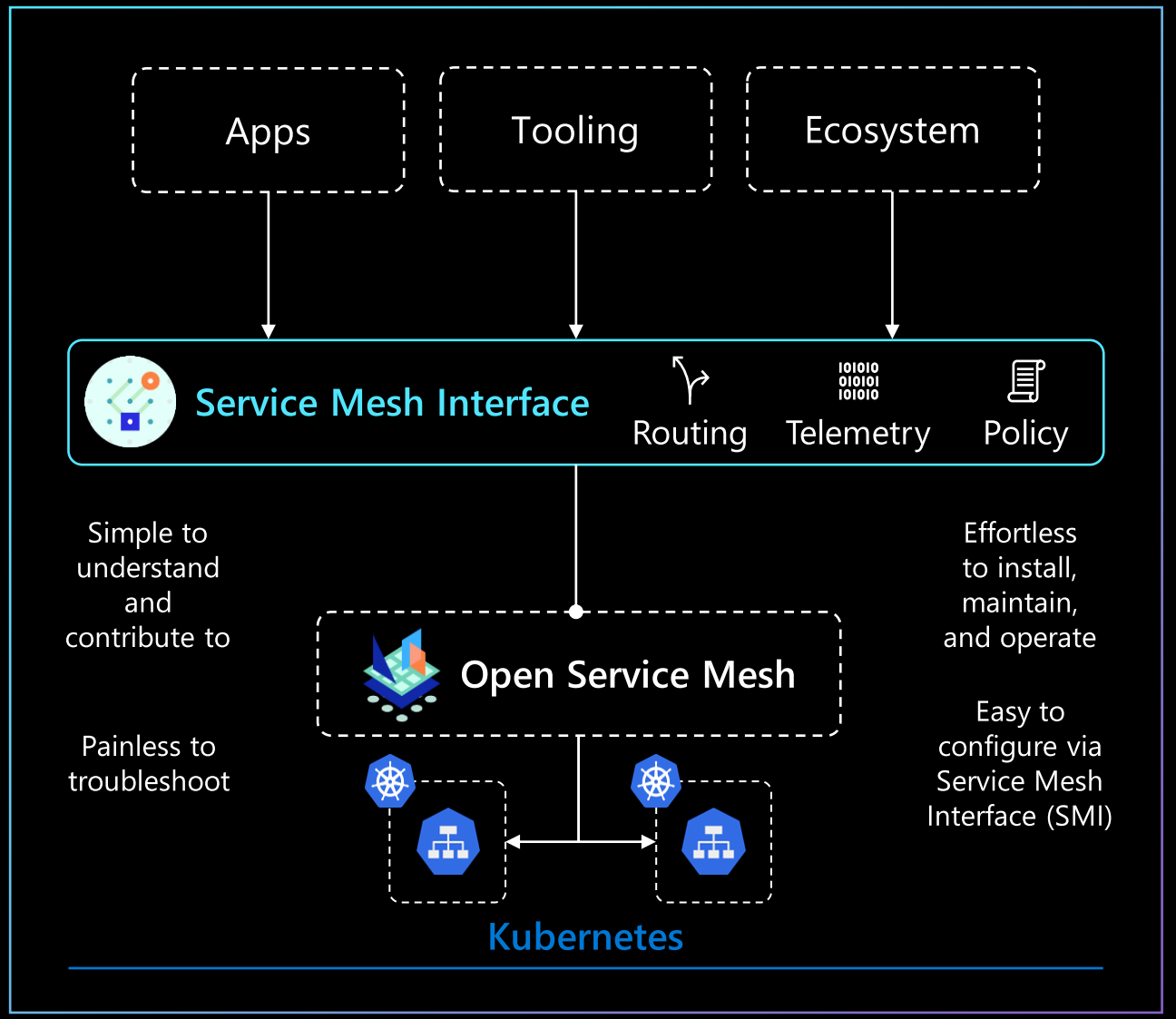
General availability

Open Service Mesh (OSM) integration
Secret Store Driver (CSI) add-on

Public preview

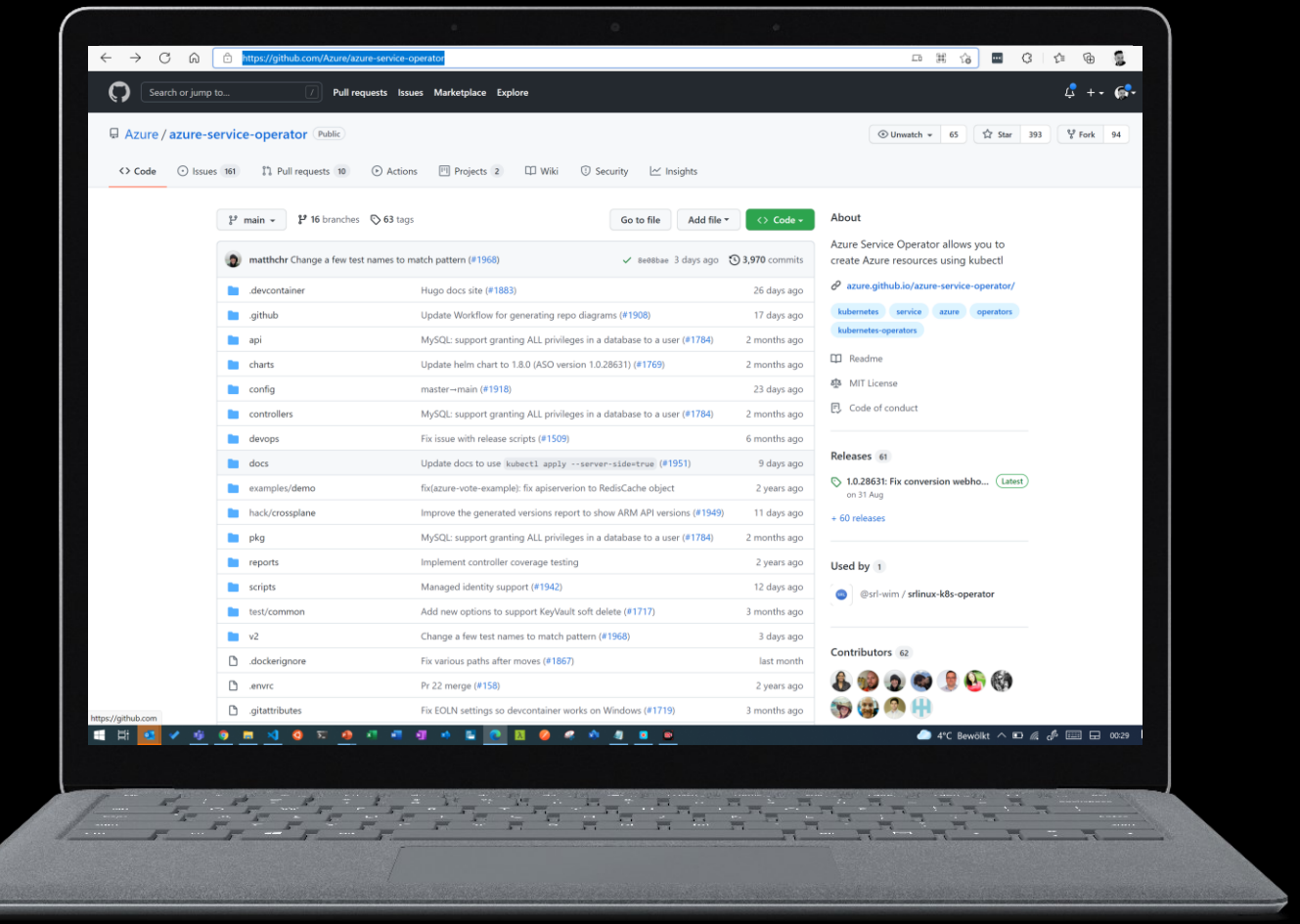
Cluster extensions (Dapr and Azure ML)
Group Managed Service Identity (gMSA)

https://aka.ms/kubernetes



Pre-release

Azure Service Operators v2



CRDs and Golang API structures to deploy and manage Azure resources through Kubernetes

[Azure Service Operator Documentation]

Azure Container Apps

Public preview

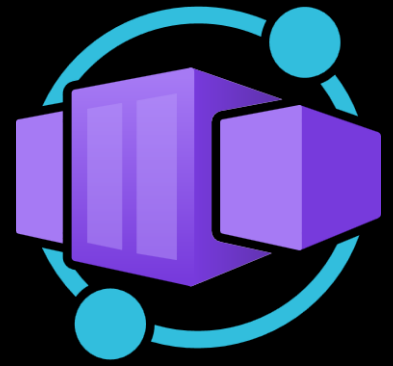
Serverless containers for microservices

Build modern apps on open source

Focus on apps, not infrastructure

Seamlessly upgrade to Kubernetes

Kubernetes KEDA DAPR Envoy



https://aka.ms/containerapps

Azure Web PubSub

General Availability in November

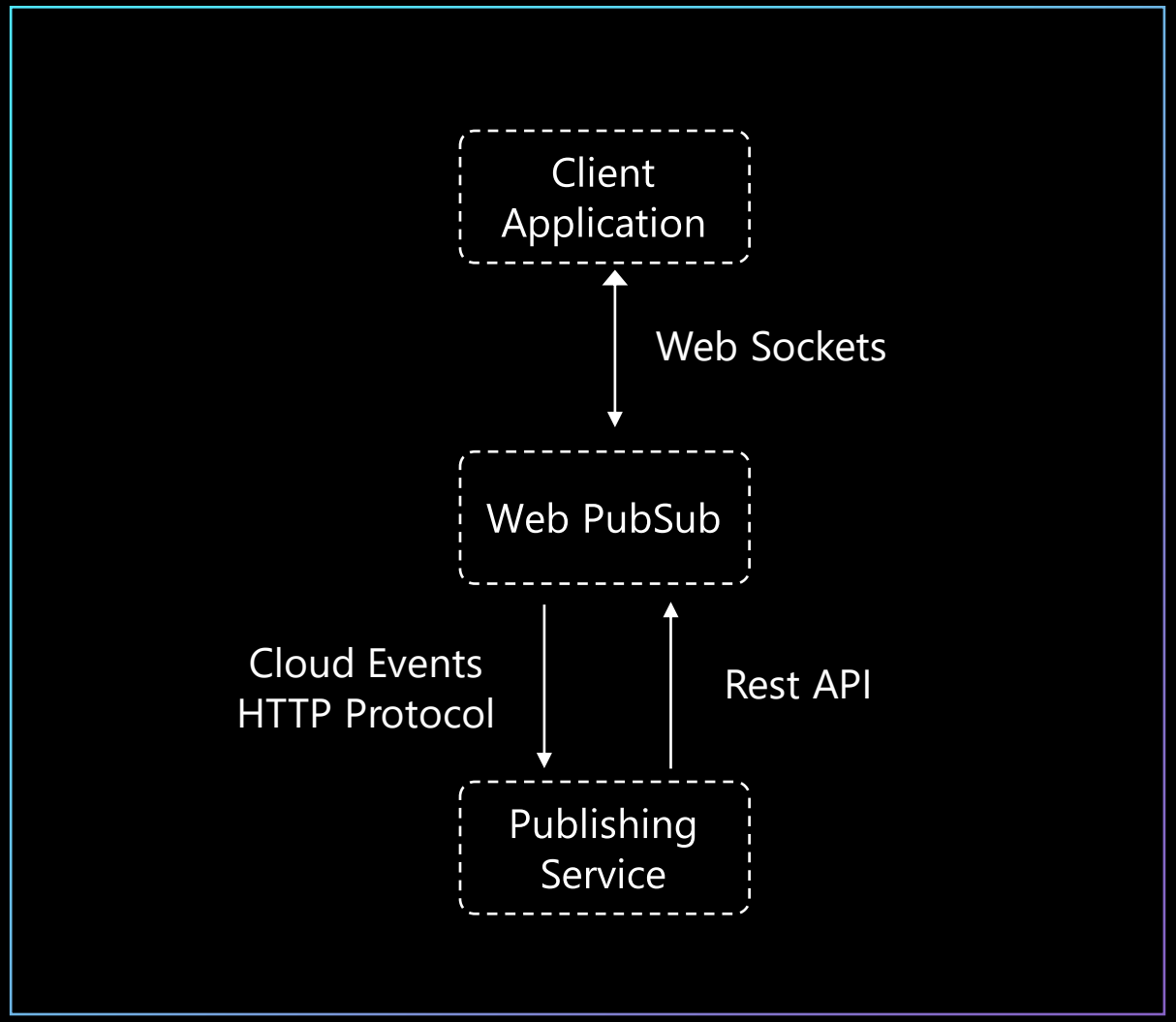
Develop web apps with real-time messaging

Chats, live broadcasting, IoT dashboards

Supports native and serverless WebSockets

Scales to 100,000 concurrent connections
- Combine instances for even greater scale

Ideal for Java, Python, Javascript, C# developers



Azure Managed Grafana

Sign-up for preview

Build a single pane of glass by connecting with multiple data sources

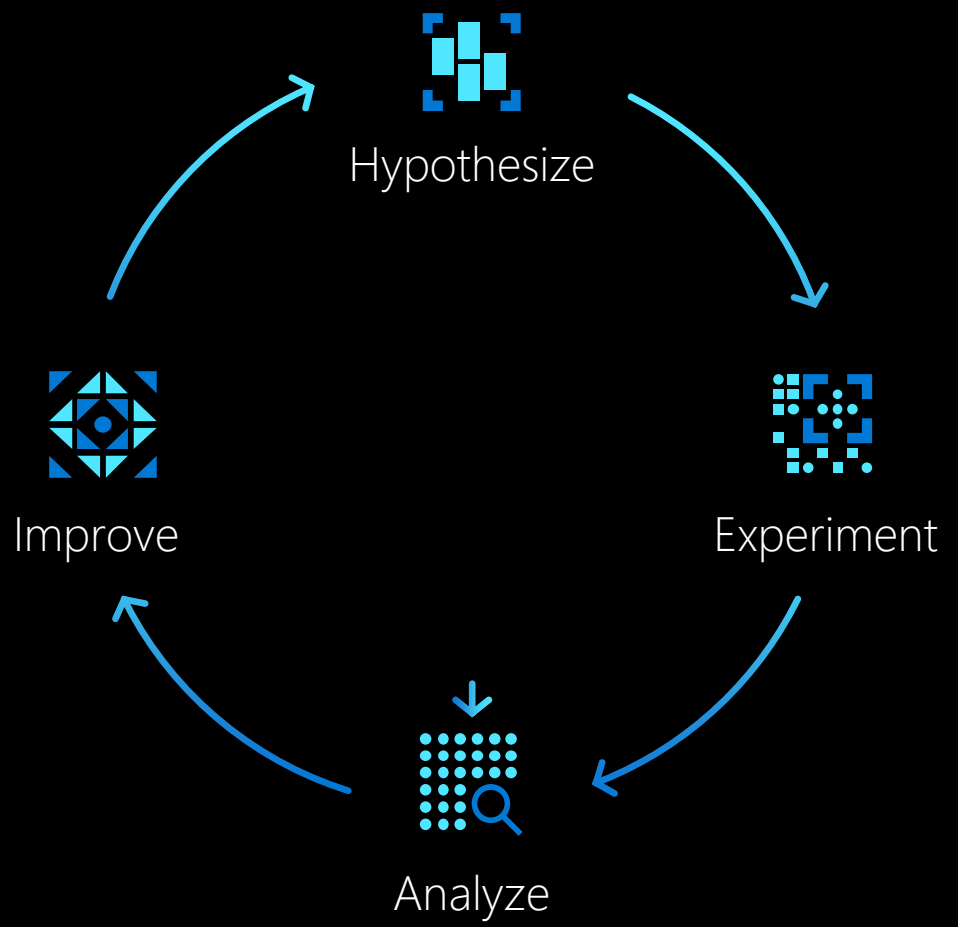
Data sources include but not limited to all Azure services

Build powerful visualizations

Correlate metrics, traces and logs from different sources in a unified dashboard

https://aka.ms/grafana/sign-up

Azure Chaos Studio



Public preview

Fully managed service for **building resilience** into your Azure services

Deeply integrated into Azure, including Azure Resource Manager, Azure Monitor, and Azure Active Directory.

Expanding library of faults for common Azure service issues

Simulation of real-world scenarios using orchestrated parallel and sequential fault injection

Stop and roll back experiments to safeguard fault injection from causing outages

Azure Migration and Modernization Program (AMMP)

Get support with your migration and modernization needs across Apps, Data, and Infrastructure

The right mix of resources and expert help at every stage of your cloud journey

- Proven approach: Microsoft Cloud Adoption Framework and Well Architected Framework
- Cost-effective offers and incentives
- Technical skill building
- Free tools/ automation: Azure Migrate
- In-depth assistance from FastTrack for Azure engineers
- Expert help from specialized services partners
- Support environmentally sustainable initiatives

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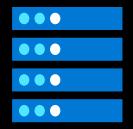
Let's move forward together with confidence. We're here to help at every step.

AMMP helps with common migration and modernization scenarios



Infrastructure and database migration

Move your workloads to Azure to enhance IT resiliency, operational efficiency, and optimize costs.

[for Windows Server, SQL Server, VMware, Linux, OSS-databases, DevTest]

Virtual desktop infrastructure

Quickly migrate Windows desktops and apps to Azure with Azure Virtual Desktop and access your desktop and applications from virtually anywhere.

[for Windows 10 based virtual desktops, incl. VMware and Citrix solutions]

App and data modernization

Modernize your web apps on a highly productive platform with fully managed services.

[for all application languages and frameworks (.NET, Java, PHP, etc.) and supporting database backends]

SAP NEW

Migrate SAP landscapes to Azure and add complementary cloud services to accelerate innovation.

[for lift-and-shift, SAP HANA migration, and greenfield deployments]

Demo