

# Developer Productivity: Azure Spring Apps

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- **3 out of 4** software engineering teams
- experience friction that requires them to exert unnecessary time and effort to achieve their objectives.



# Why care about the developer experience?

- Your business depends on it



4-5x

faster revenue  
growth

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Companies with a **higher**  
DVI (Developer Velocity  
Index) compared to those  
with **lower** DVI

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55x

more innovative

# What to do about it? Developers want to...



- Accelerate feedback loops by improving delivery velocity



- Focus on applications, not infrastructure



- Use their preferred tools and frameworks

# Spring makes programming Java quicker, easier, and safer



Spring Boot

Get started quickly



Spring Cloud

Cloud-native by default



Run Anywhere

Portable and flexible

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Code Clarity | Lower Complexity | Less Tech Debt |  
Focus on Business Logic | Better Test Coverage | Faster Code Completion

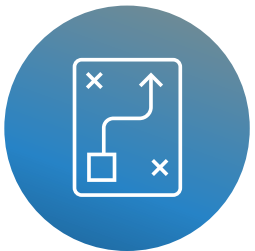
# But there are some common challenges



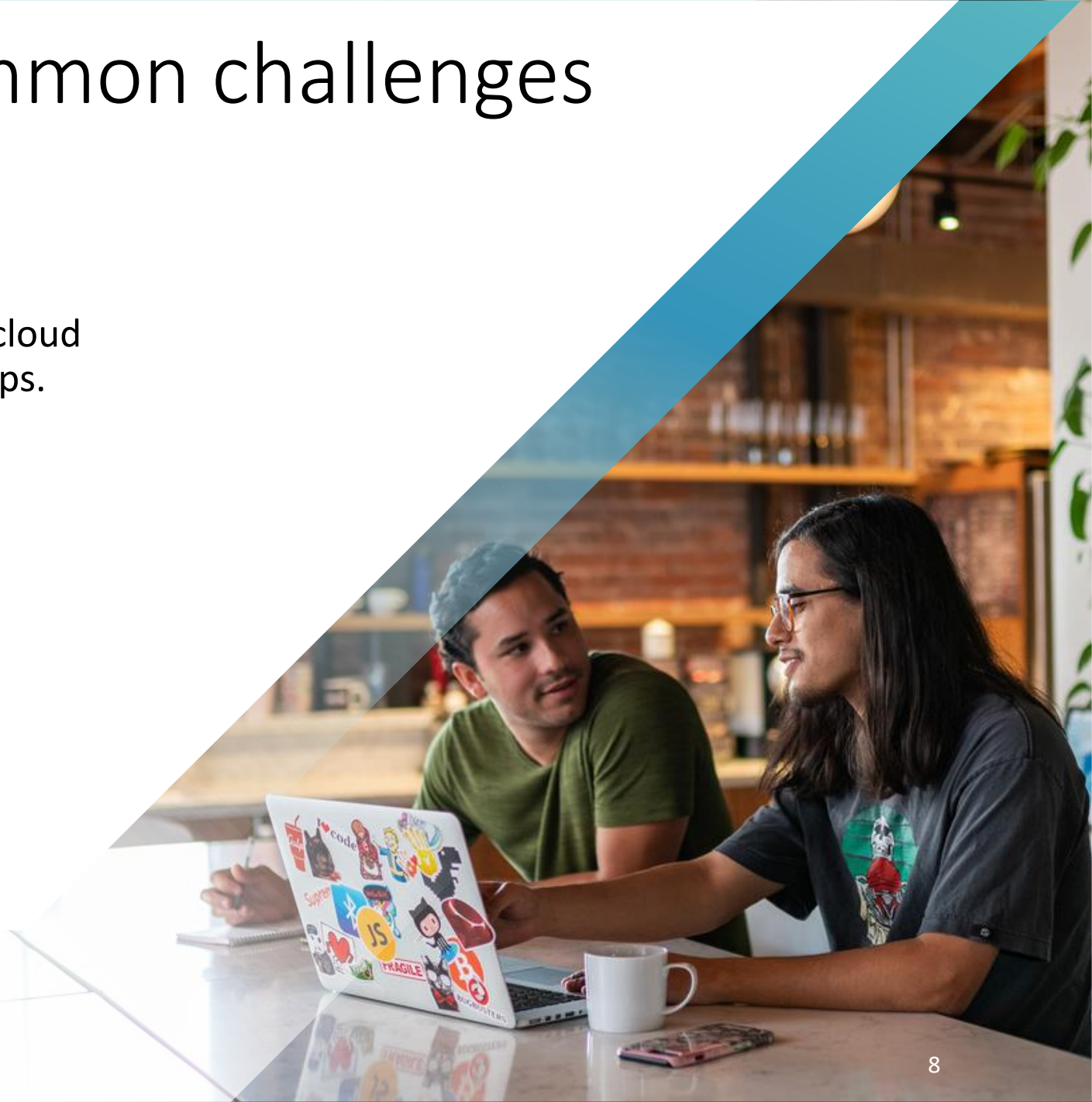
**High effort required** to manage cloud infrastructure for Spring Boot Apps.



Application lifecycle is **difficult to manage.**

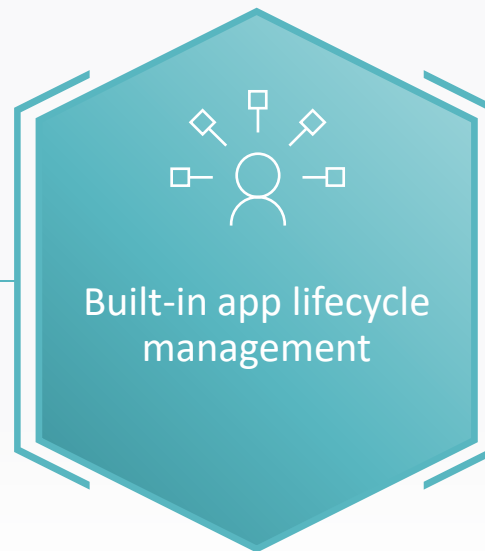


**Painful** to troubleshoot application issues.



# Azure Spring Apps

- A fully managed service for Spring Apps





# Easily manage app lifecycles



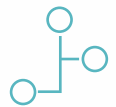
Simplify app lifecycle management.



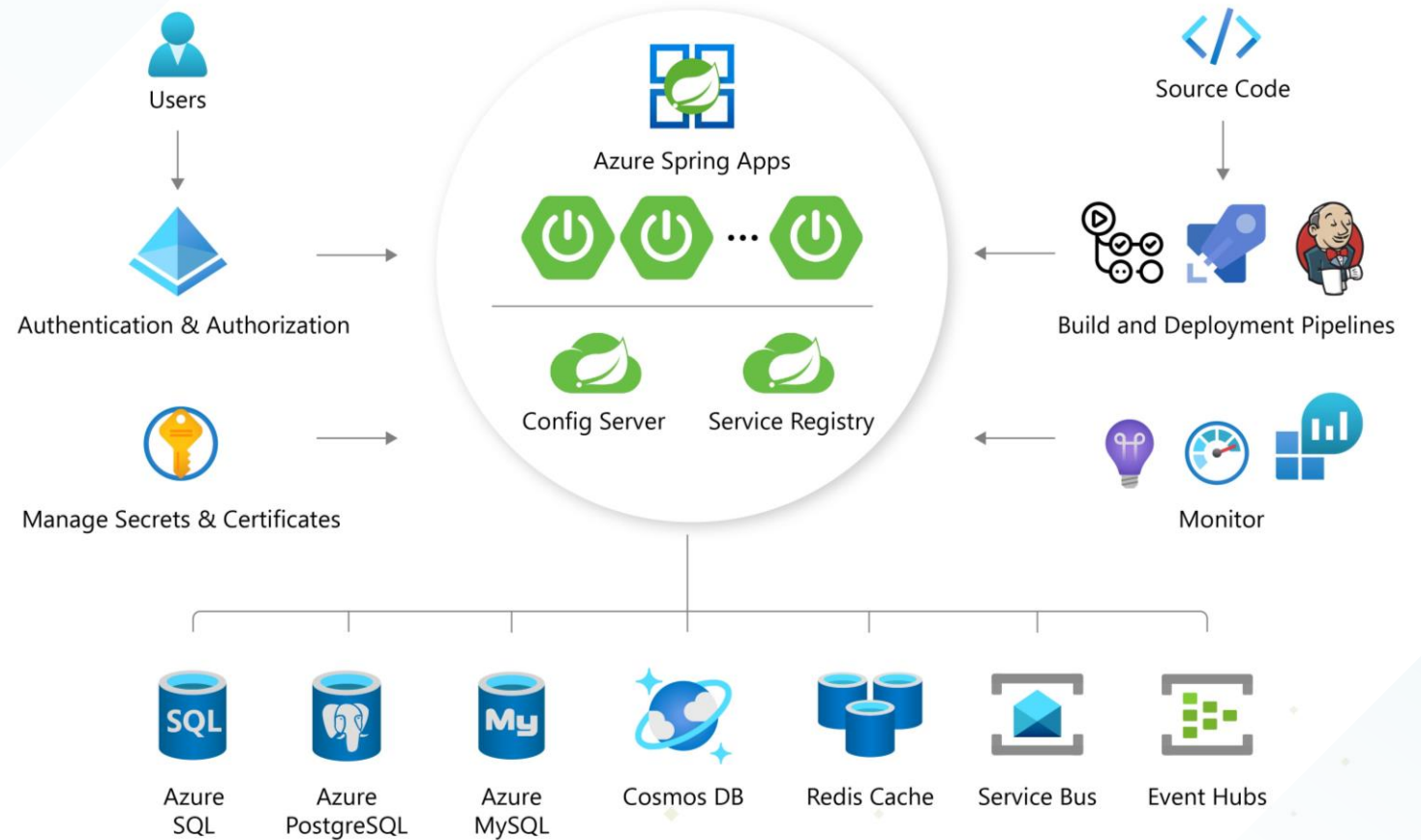
Easily deploy source code or build artifacts.



Automatically wire your app with Spring infrastructure.



Fully integrate CI/CD pipeline for deployment.



# Three simple operations

1

## Create service

```
az spring create --name ${SPRING_CLOUD_SERVICE} \  
--sku standard \  
--resource-group ${RESOURCE_GROUP} \  
--location ${REGION}
```

2

## Create app

```
az spring app create --name ${CUSTOMERS_SERVICE}
```

3

## Deploy app

```
az spring app deploy --name ${CUSTOMERS_SERVICE} | \  
--jar-path ${CUSTOMERS_SERVICE_JAR}
```

## Azure Spring Apps

Spring Boot Apps



Service runtime



## Azure Spring Apps

Spring Boot Apps

Service runtime

Open-source client libraries, integration modules, and drivers

Data

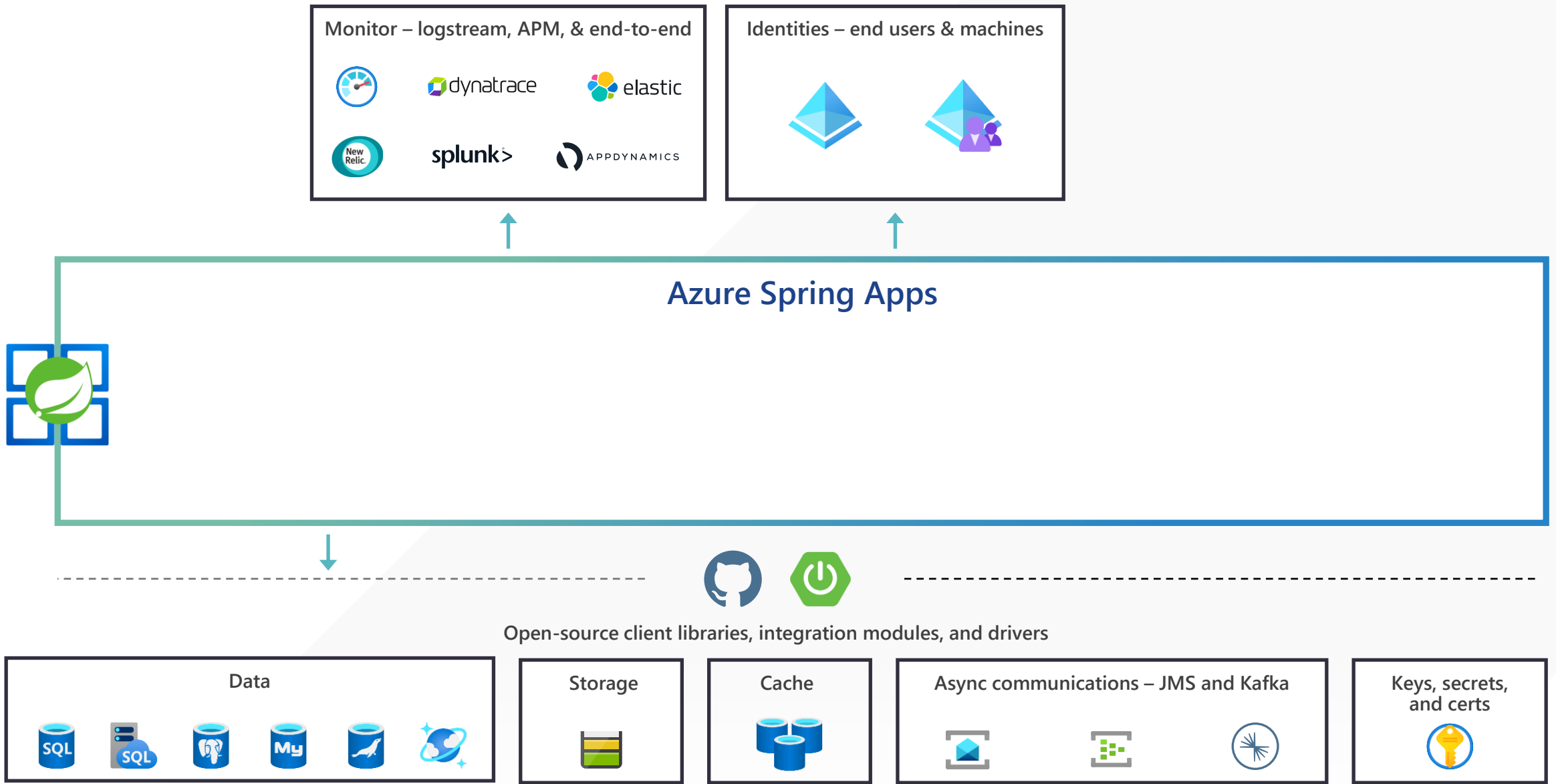
Storage

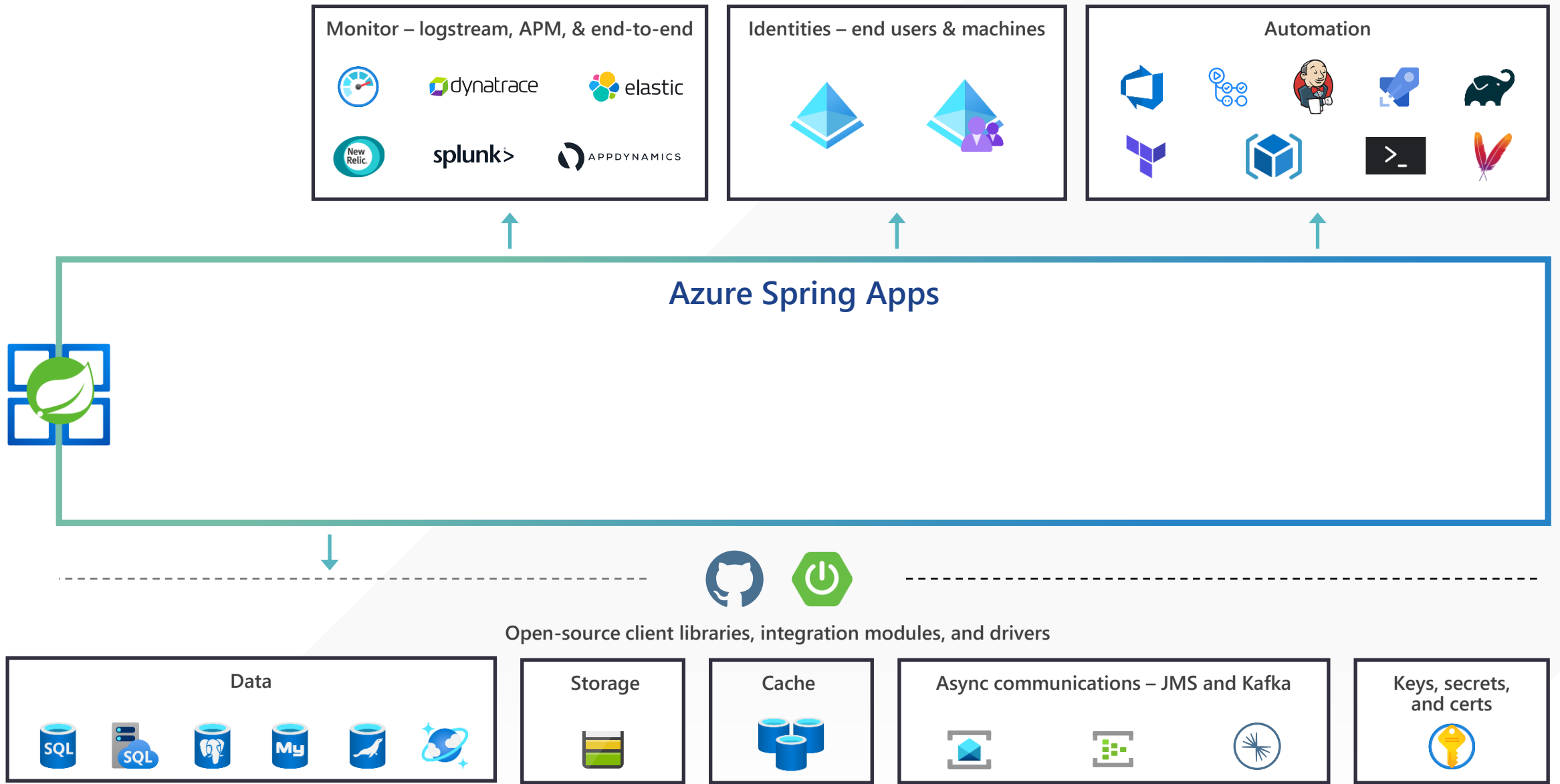
Cache

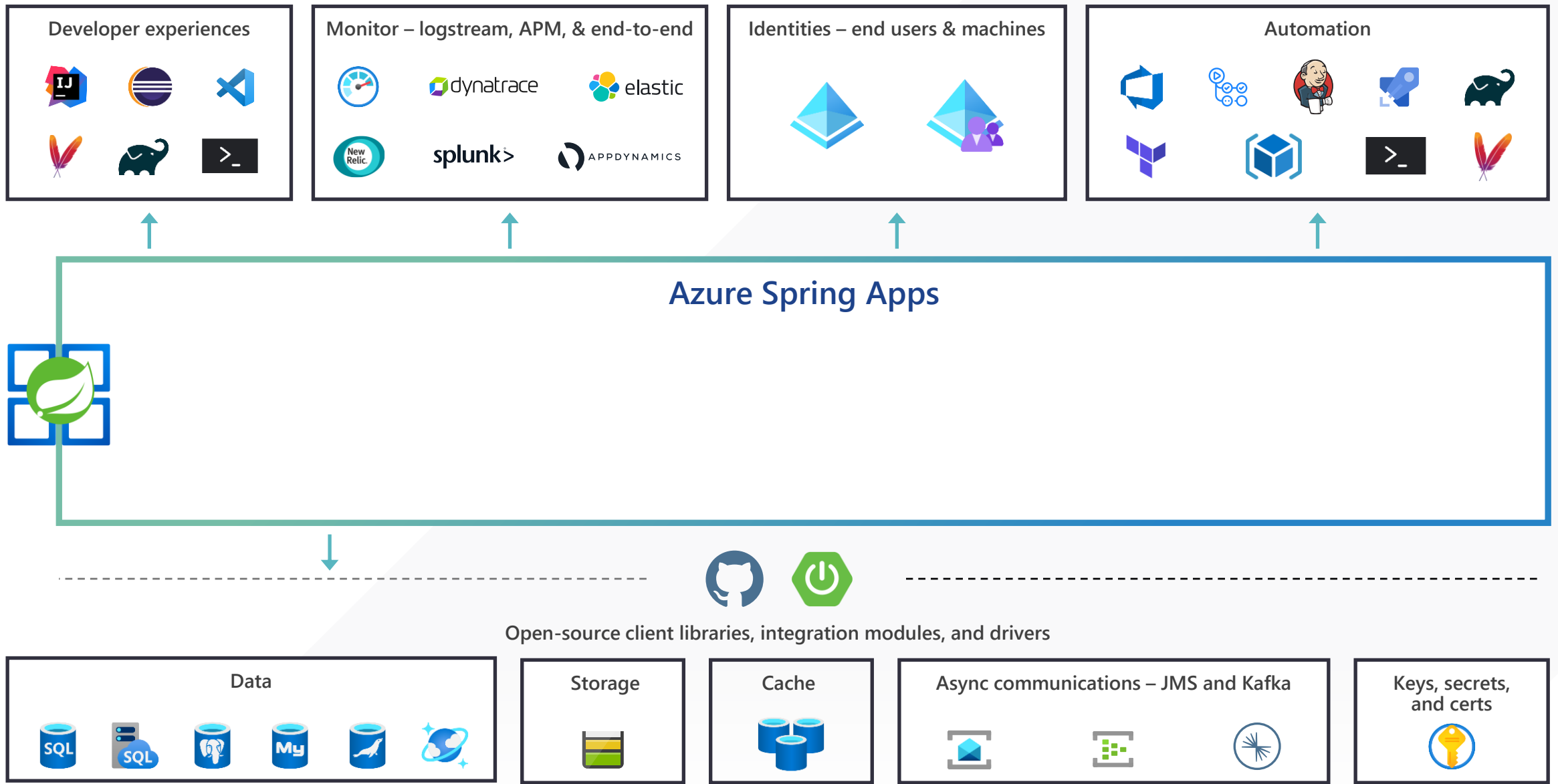
Async communications – JMS and Kafka

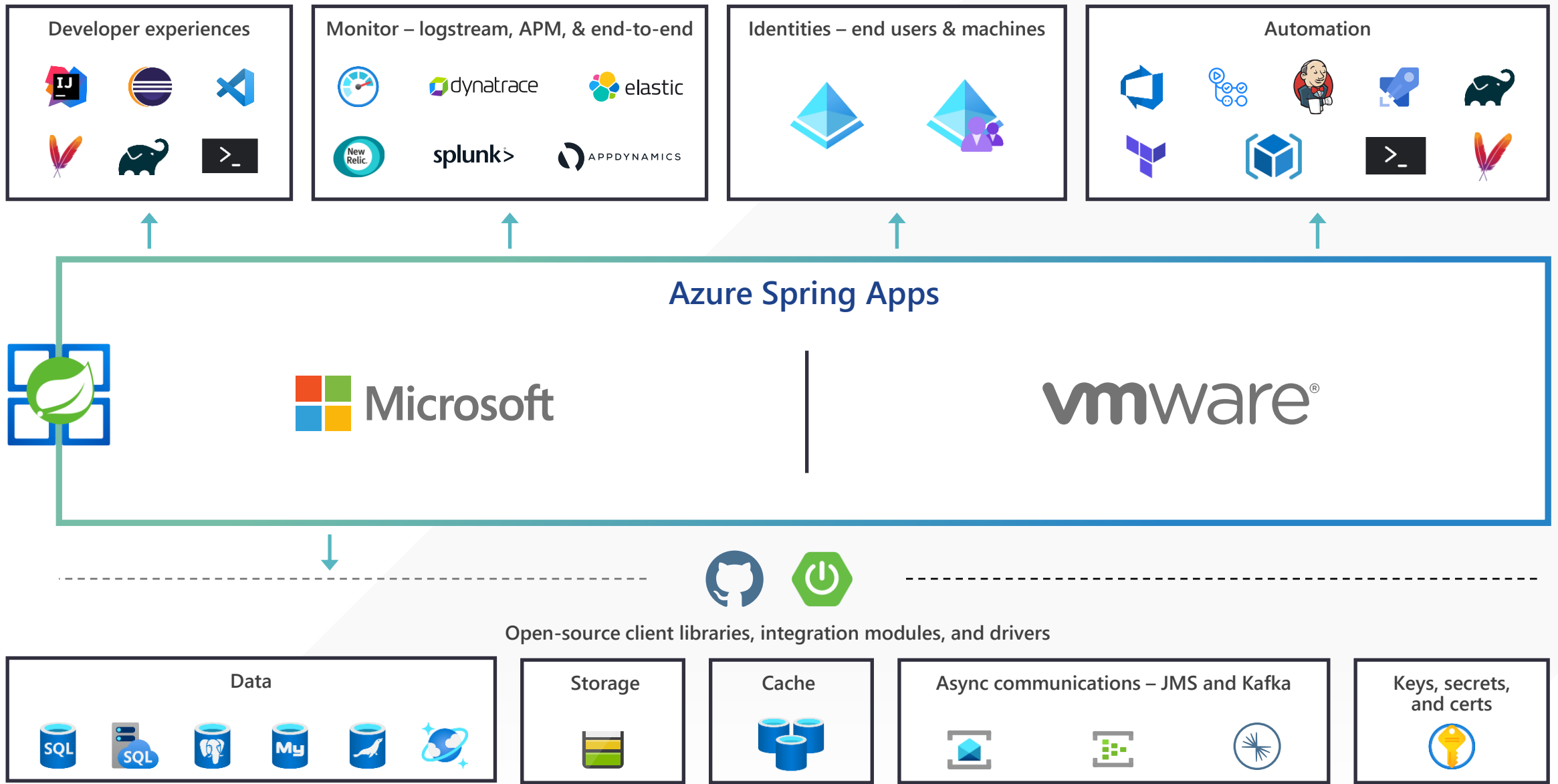
Keys, secrets, and certs













# Stay on top of your applications

- Easily monitor and troubleshoot your apps



Gain valuable insights with Azure Monitor.



View aggregated logs, system, and JVM metrics.



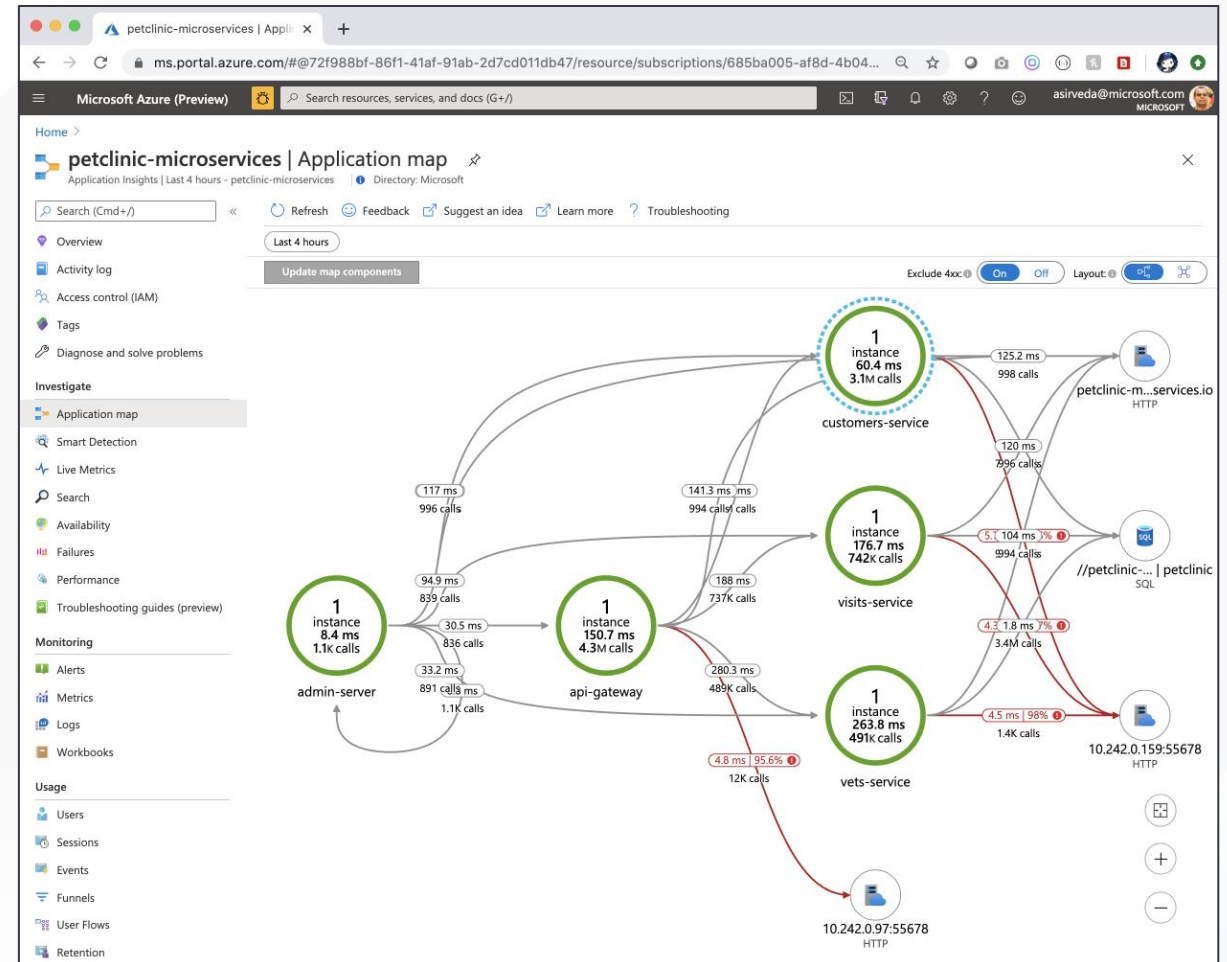
Track service requests through distributed tracing.



Stream logs in real time.



Identify issues through threshold alerting.



- The benefits of  
Kubernetes, without the  
hassle

- Azure Spring Apps are built on Kubernetes – but it stays under the hood, allowing teams to tap into the benefits without the learning curve or management needs.



# Azure Spring Apps in a nutshell



## Developers

Easily build and deploy

- Build and scale distributed workloads at cloud scale.
- Externalize config, enable service registry, secure, automate end-to-end and monitoring.
- Harness the power of K8S without learning or operating it.
- Easy to spawn environments.
- Automate testing.
- Advance to production across the globe.



## IT Operators

Simple to operate at scale

- Home for distributed workloads that leverages services on Azure, on-premises, and externals.
- Eliminate middleware management.
- Unlimited scale.
- Define roles and responsibilities to match your team structure.
- Azure Policy-based management and enforcement.
- Monitor and automate end-to-end.
- Implement charge backs in line with your funding model.



## Executives

Peace be with you!

- Minimize costs.
- 60+ Azure regions with speed and scale to meet your global scaling needs.
- Strengthen your security posture.
- Supported by Microsoft and VMware.

# Your opinion Matters





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Code



Documentation

Thank You

