



Houston Azure User Group

Virtual Edition

March 2021: Azure Spring Cloud

Building microservices with Azure Spring Cloud

- Spring Boot
- Spring cloud
- Steeltoe
- Azure Spring Cloud
- Demos
- Use cases

Ravi Tella – Software Architect (MTC - Microsoft)



<https://github.com/RaviTella/EBookStore>



www.linkedin.com/in/ravitella

<https://www.ravitella.com/>

Book Store APP <https://aka.ms/hou-meetup>

Spring – trusted and growing



75%

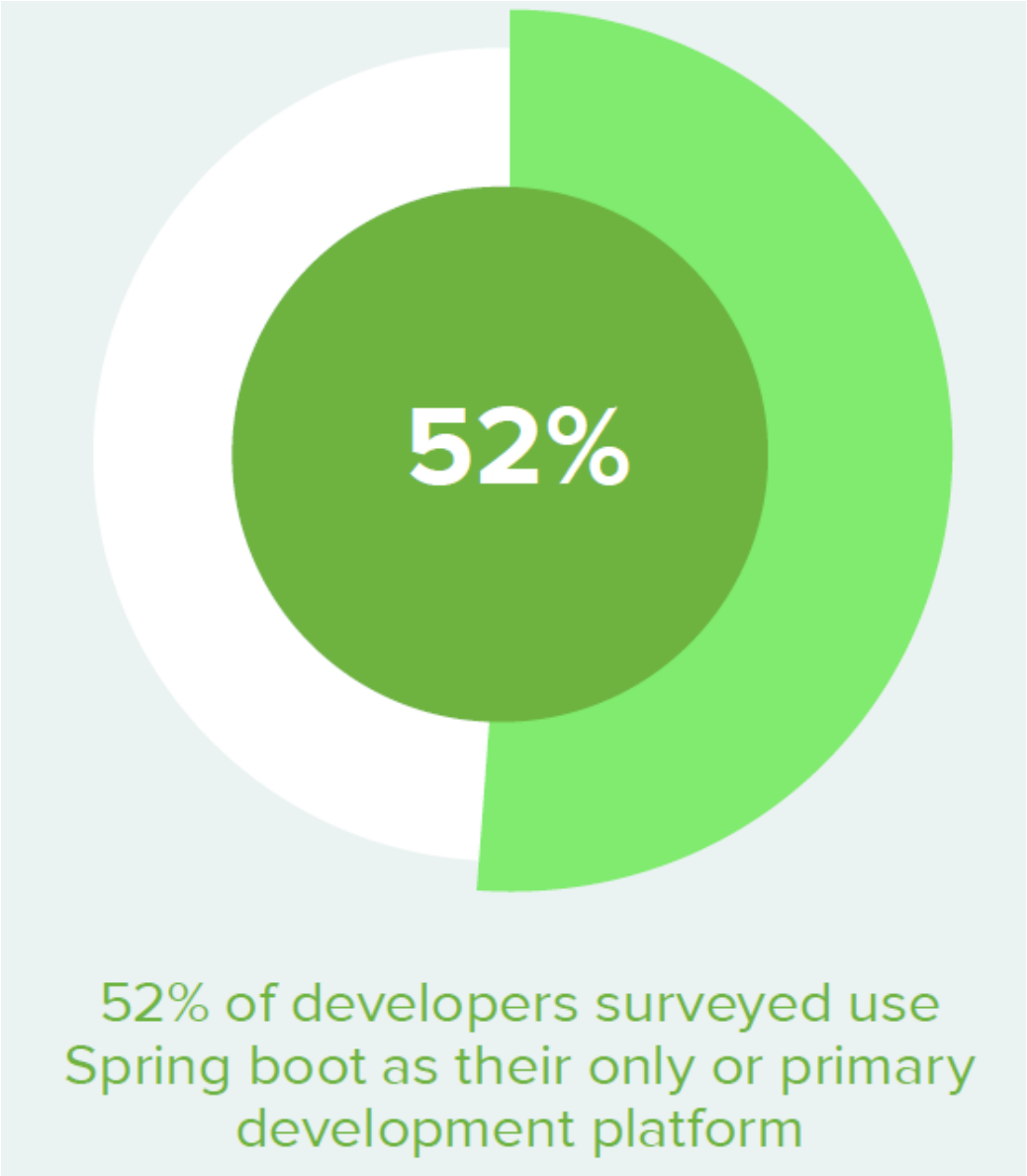
of respondents expect
Spring Boot usage
to grow over the next
2 years



82%

of respondents say Spring
Boot is growing because
of new project starts

Nov 2018	Nov 2019
52.5 Million+ Spring Boot downloads per month	95 Million+ Spring Boot downloads per month



52%

52% of developers surveyed use
Spring boot as their only or primary
development platform



Spring on Azure

cloud.spring.io/spring-cloud-azure/



Spring Cloud

App Configuration

Event Hubs

Service Bus

Storage

Redis

Functions



R2DBC

SQL Database

PostgreSQL

MySQL



Spring Data

SQL Database

MySQL

PostgreSQL

Maria DB

Cosmos DB

- SQL
- MongoDB
- Cassandra
- Gremlin



Spring Security

Active Directory (AAD)

AAD B2C



Spring Cache

Redis Cache



Spring Resource

Storage



Spring Messaging

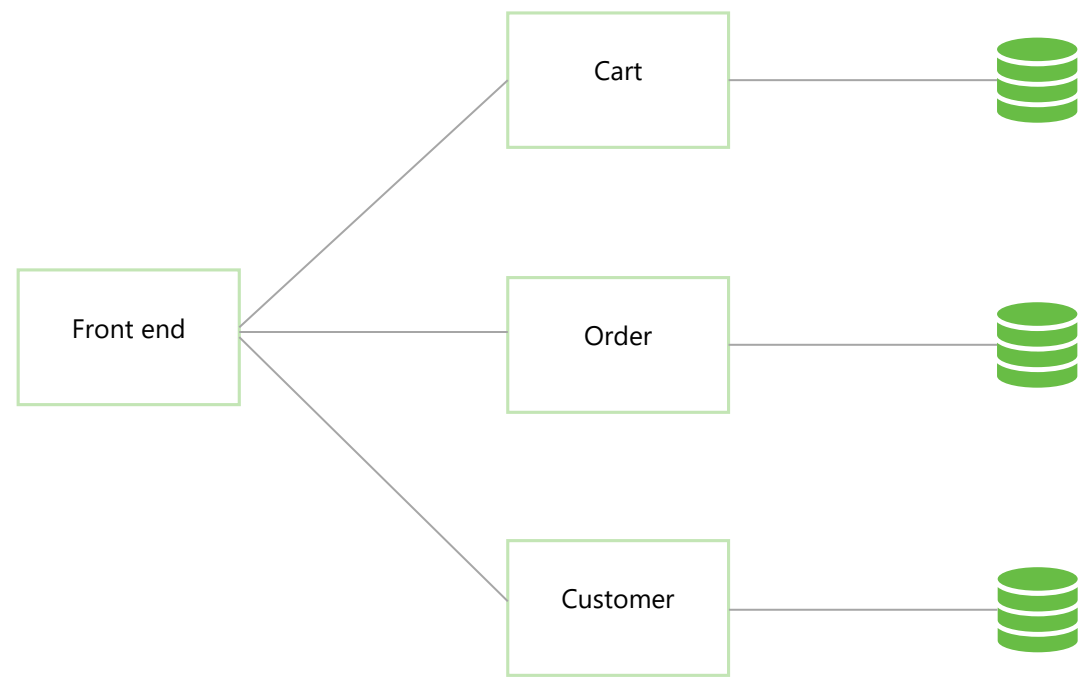
Service Bus



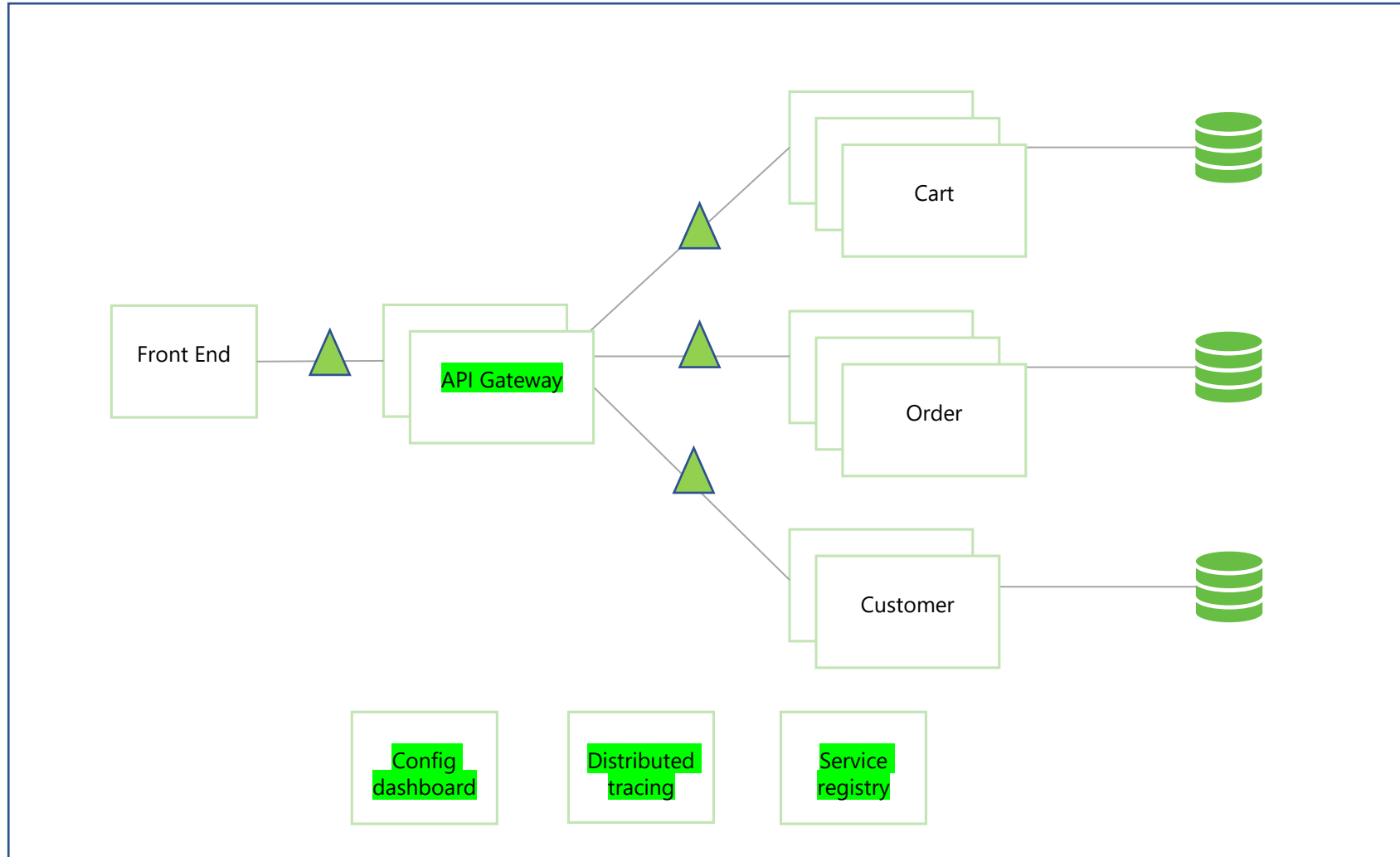
Micrometer

**Monitor (includes
Log Analytics)**

Book Store App



Book Store App



Spring-based Microservices



Spring
Boot

Build anything



Spring
Cloud

Coordinate anything



.NET
Core

Build anything

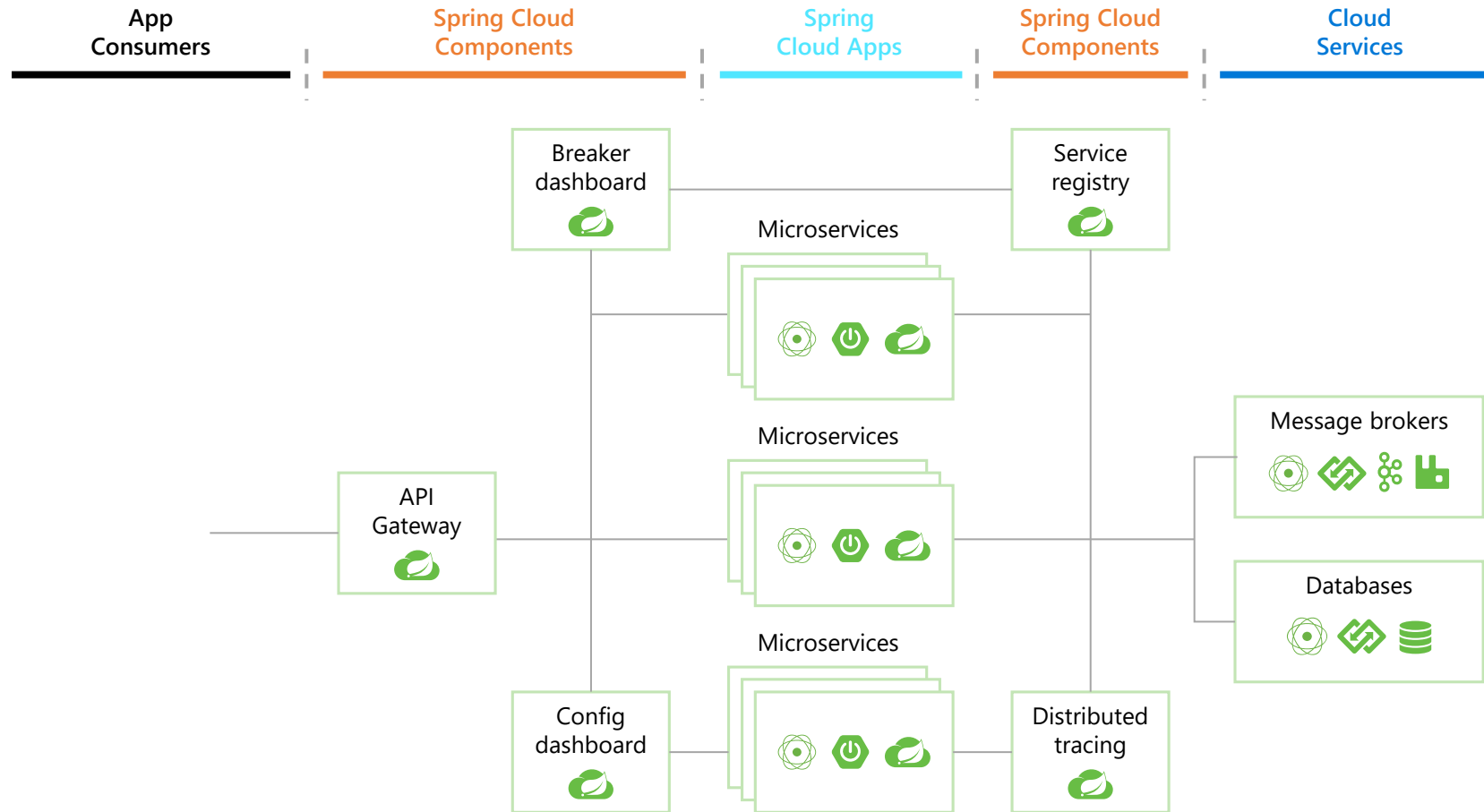


steeltoe®

Steeltoe

Coordinate anything

Spring-based Microservices

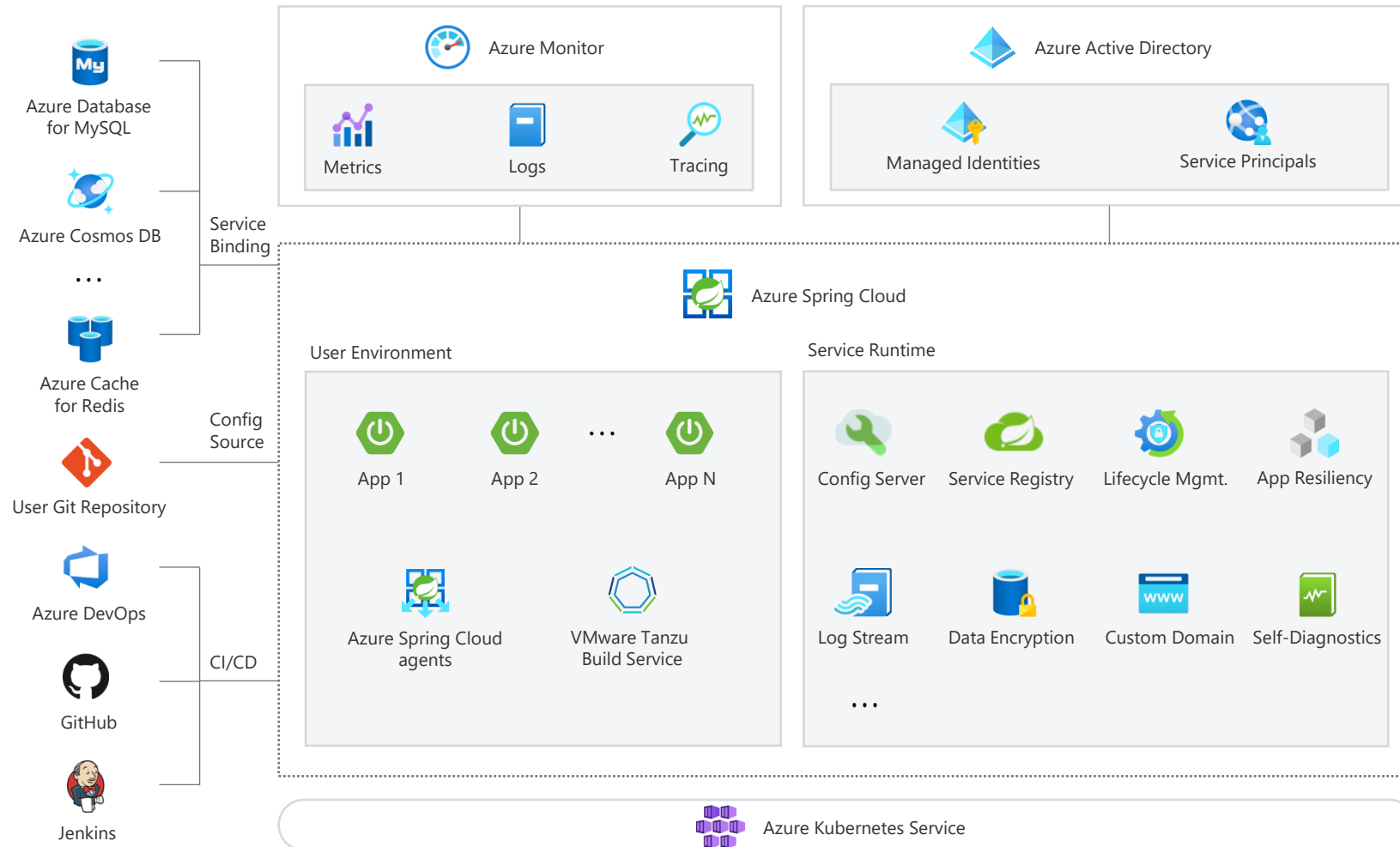


Bear Metal, VM, containers(K8s/Swarm)?

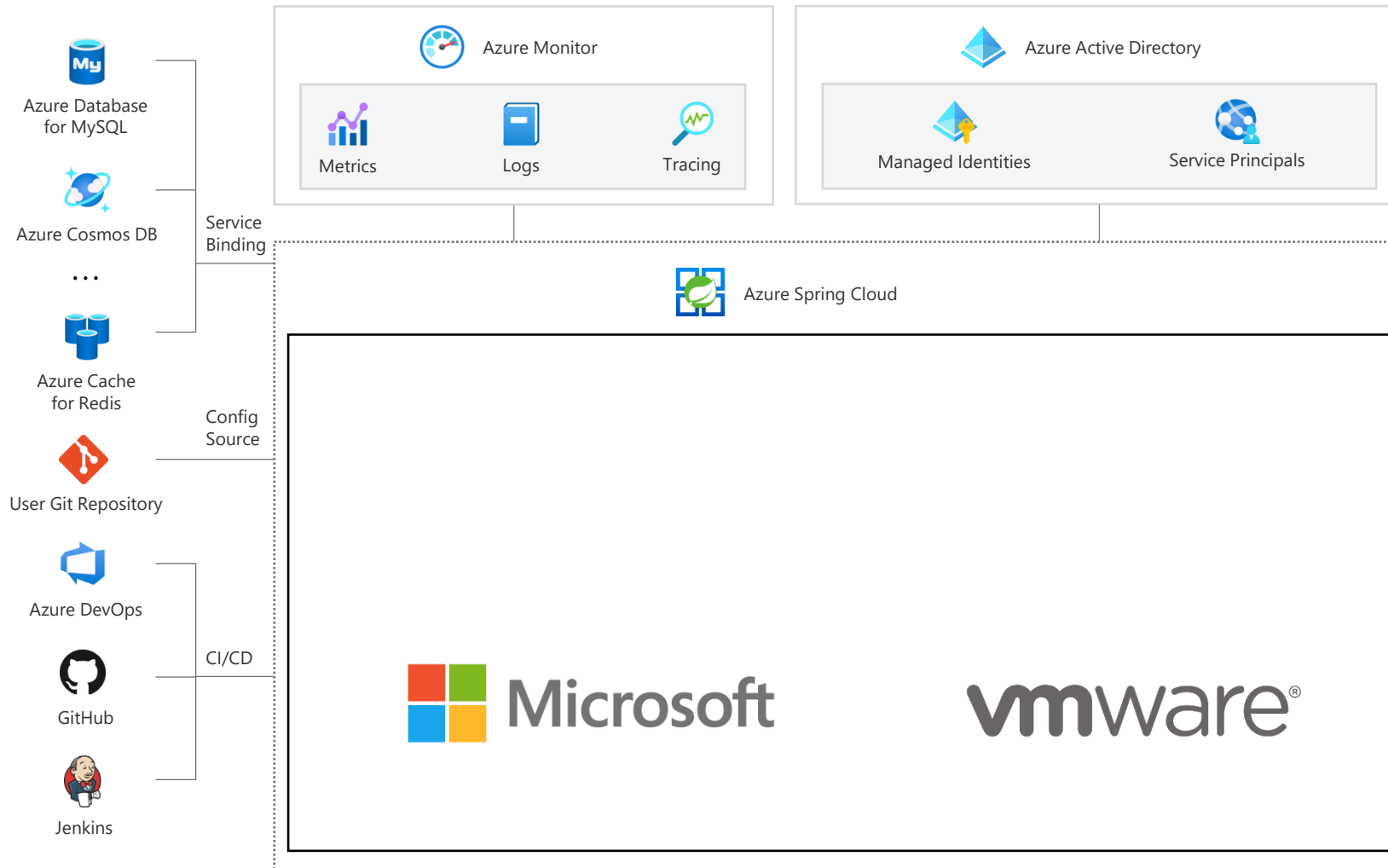
Azure Spring
Cloud



Fully Managed Infrastructure – Azure Spring Cloud

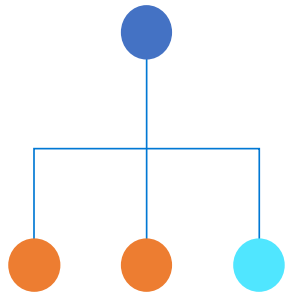


Fully Managed Infrastructure – Azure Spring Cloud



Demo Time

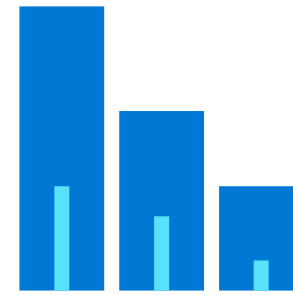
Azure Spring Cloud - Benefits



**Simplify
infrastructure
management**



**Built-in application
lifecycle
management**



**Easily monitor
your apps**



On Kubernetes

You do not have to learn or
manage Kubernetes

Available
across 4
continents
and expanding
...

- Australia East
- Korea Central
- China East 2
- Southeast Asia
- Central India
- UAE North
- West Europe
- North Europe
- UK South
- East US
- East US 2
- Canada Central
- Central US
- North Central US
- South Central US
- West US
- West US 2

Use cases

Accelerate Spring Apps to Cloud at Scale today!

Quickstart



Self-paced learning workshop



Deploy the demo code



YouTube



Questions & Comments