Houston Azure User Group
Virtual Edition
March 2021: Azure Spring Cloud

Building microservices with

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

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https://github.com/RaviTella/EBookStore

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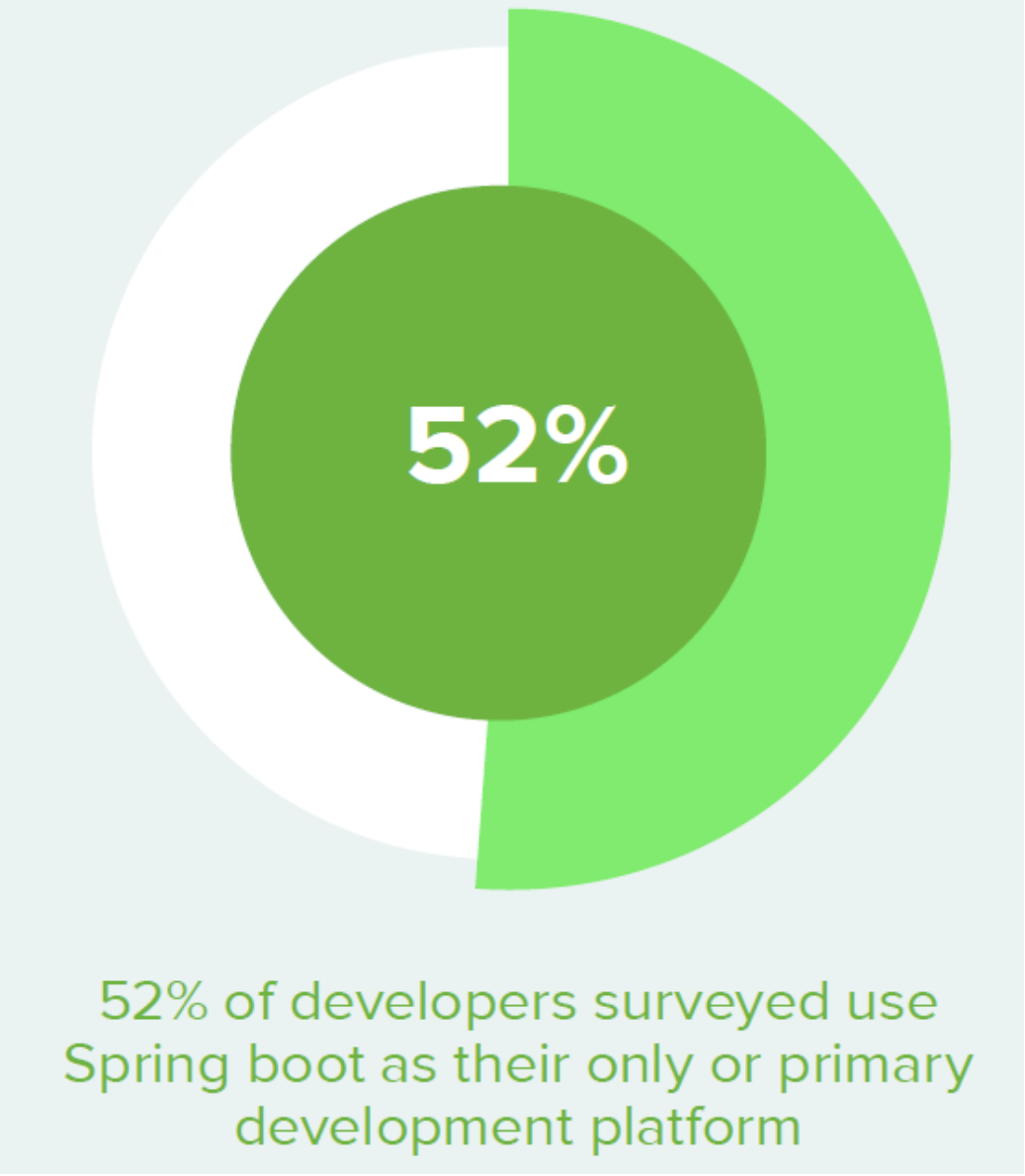
Spring – trusted and growing

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**



Source – [The State of Spring 2020]

Azure

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

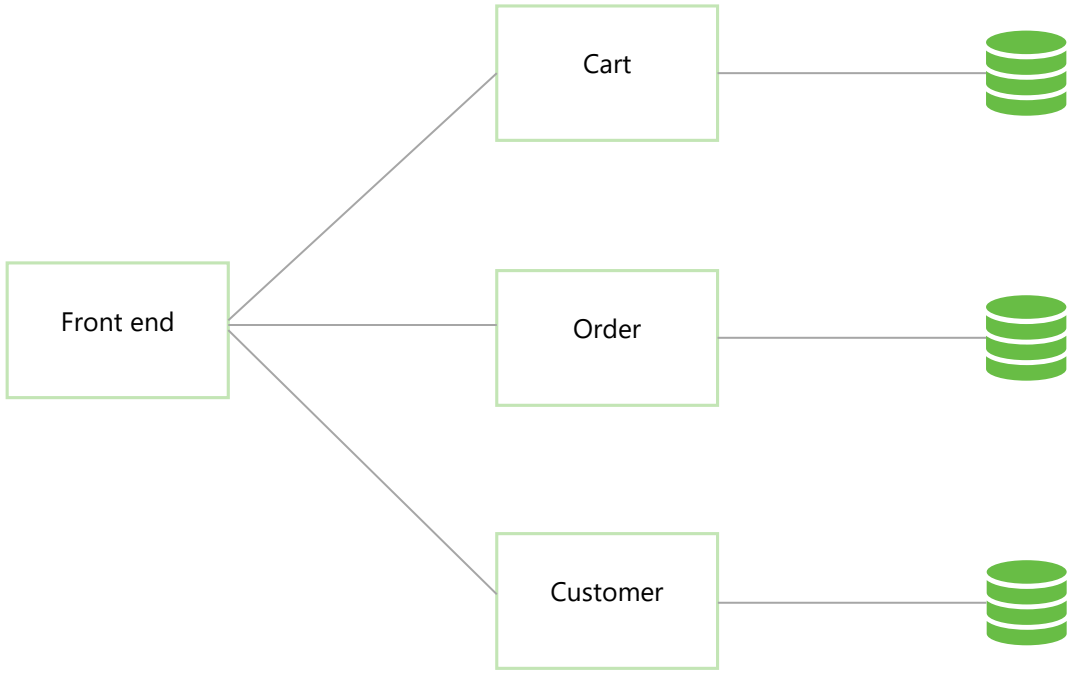
Spring Messaging

- Service Bus

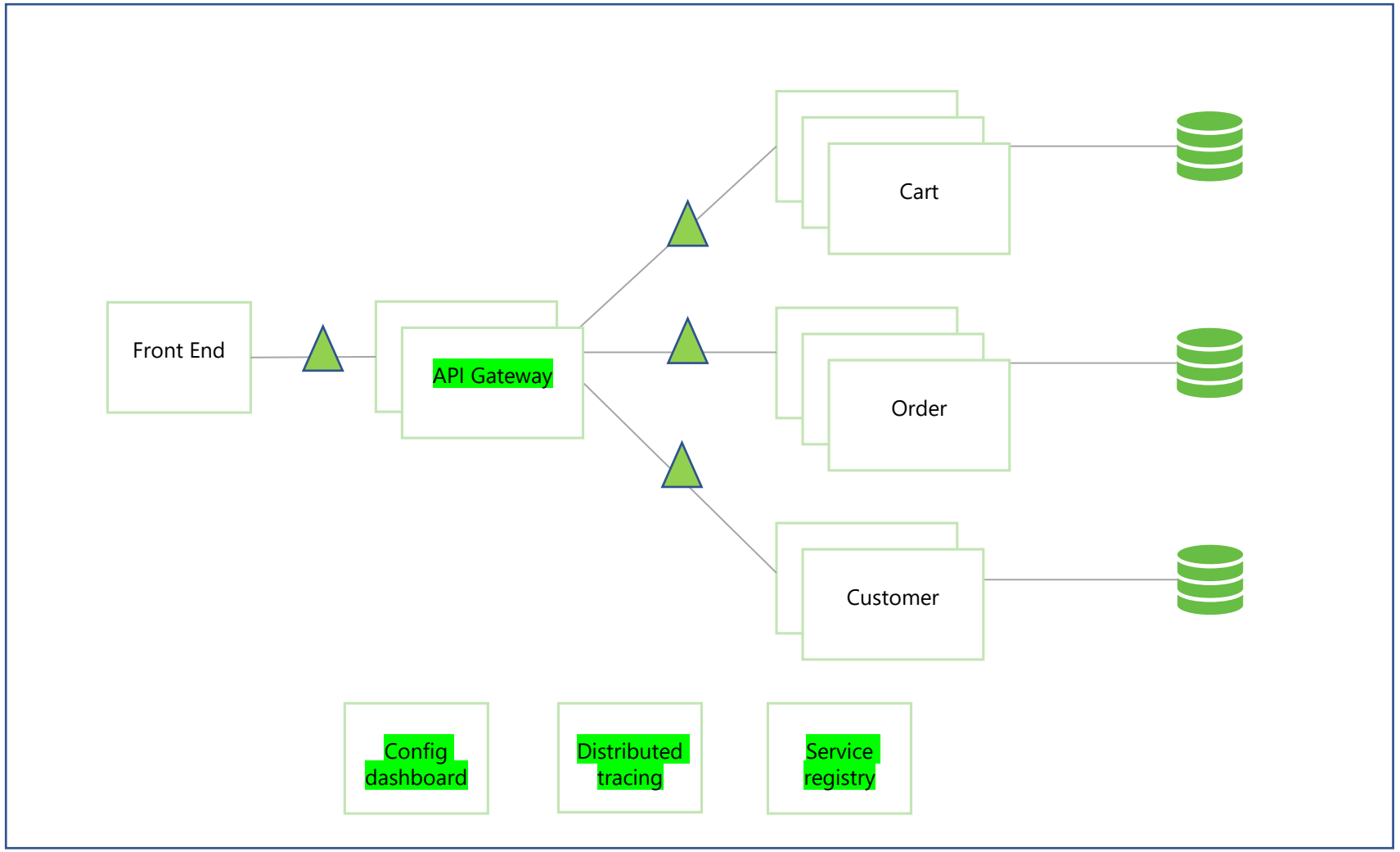
Micrometer

- Monitor (includes Log Analytics)

Book Store App



Book Store App



Circuit Breaker

Spring-based Microservices

Spring Boot

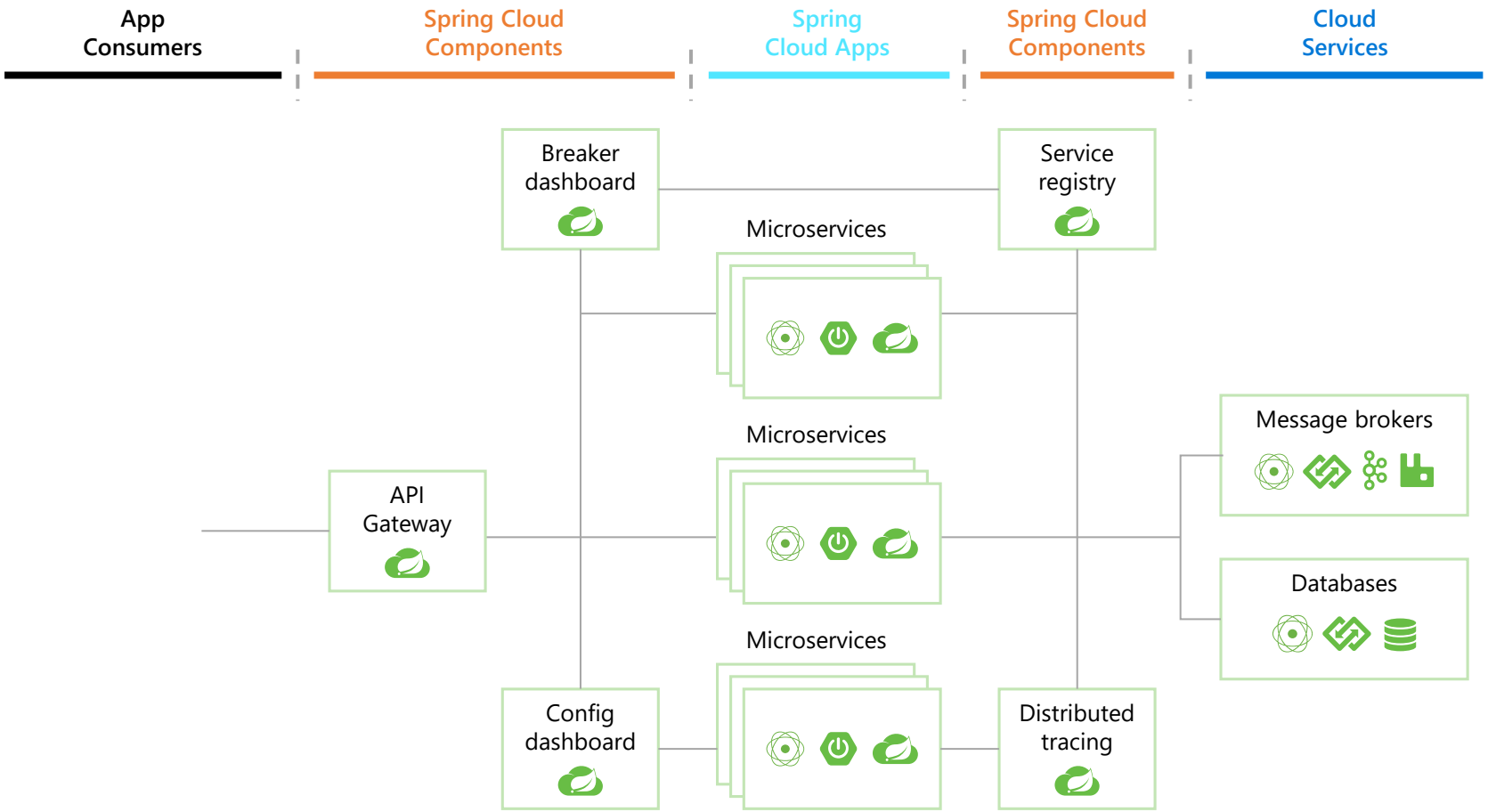
Build anything

Spring Cloud

Coordinate anything

steeltoe®

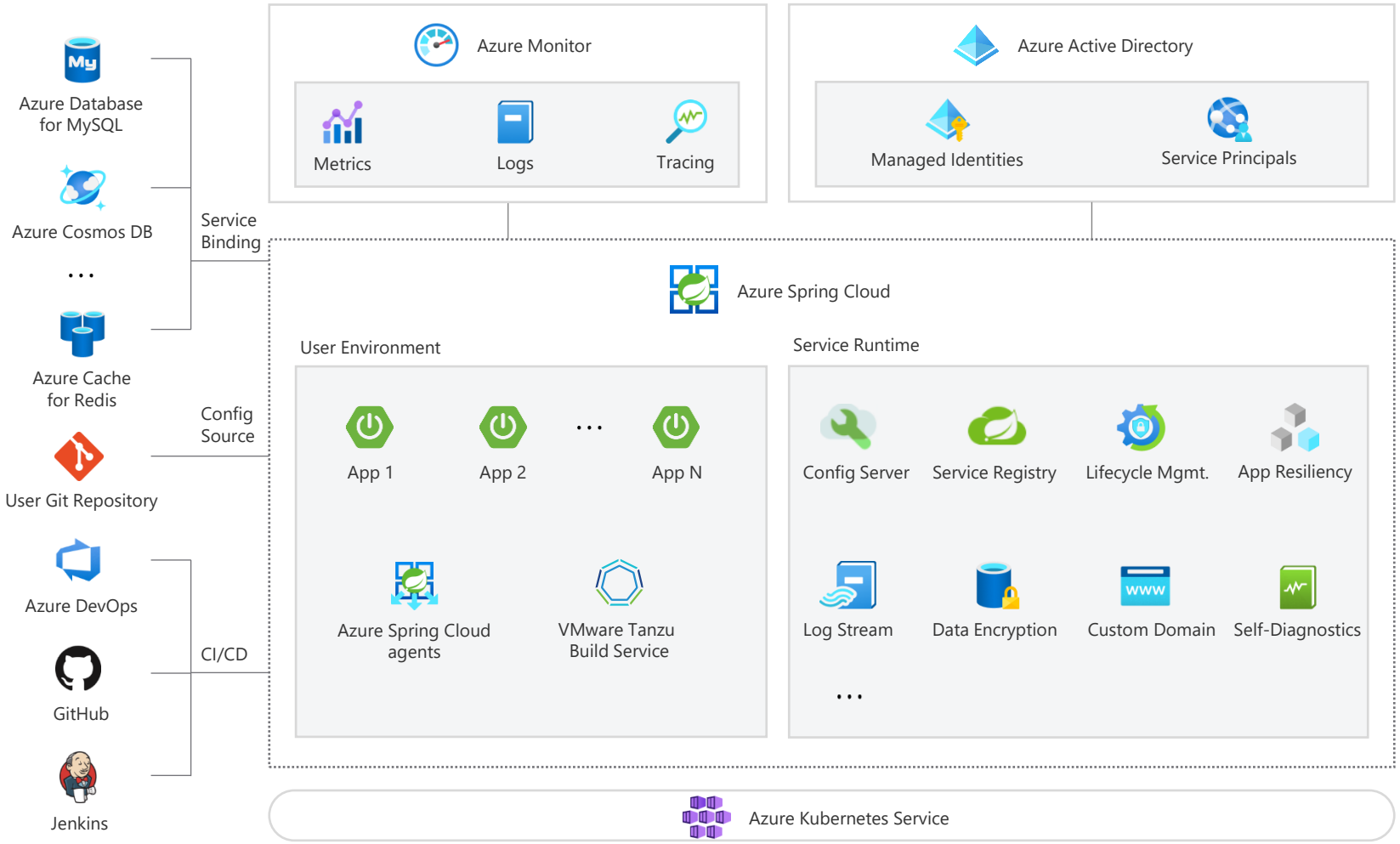
Spring-based Microservices



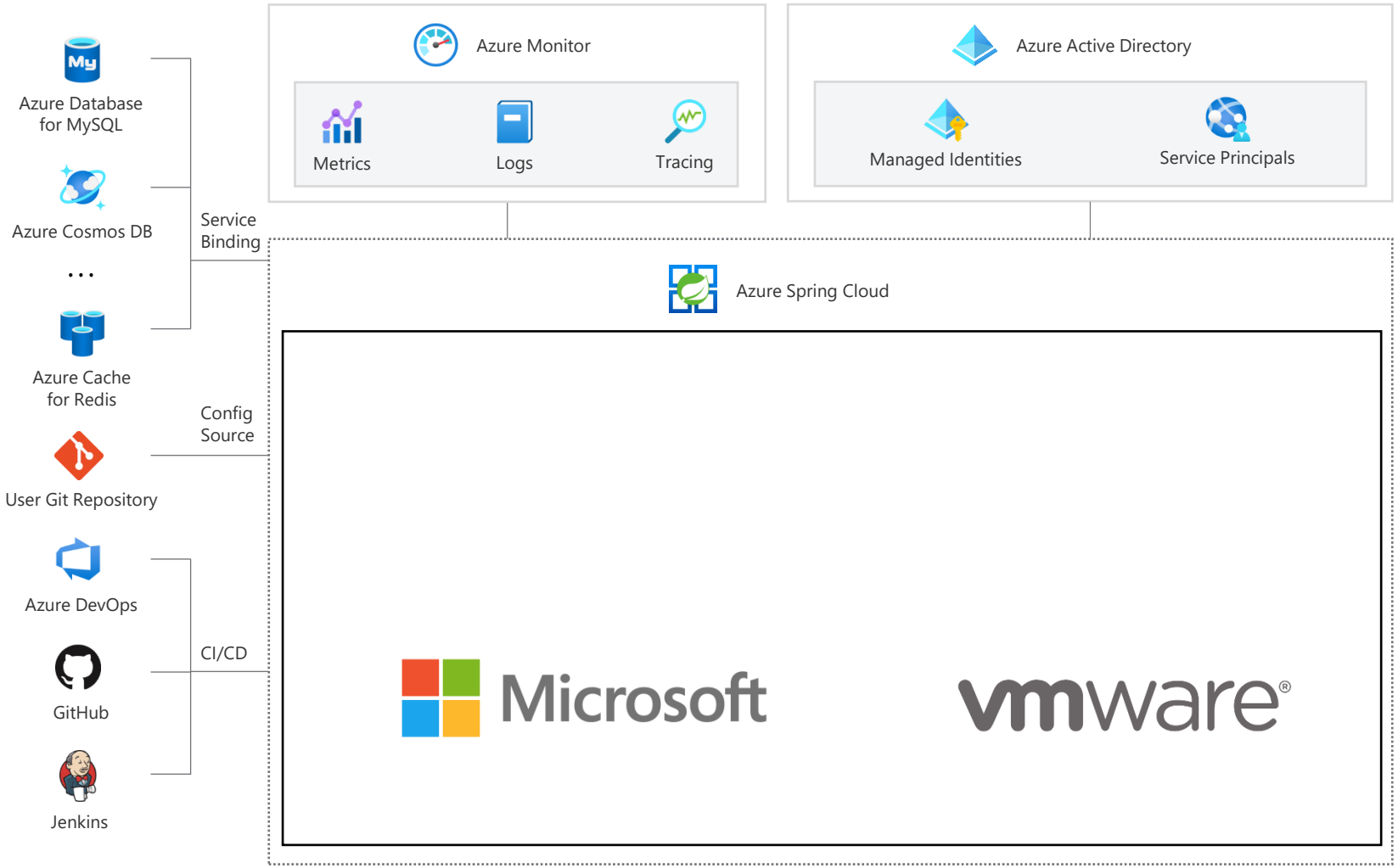
Bear Metal, VM, containers(K8s/Swarm)?

Azure Spring Cloud

Fully Managed Infrastructure – Azure Spring Cloud

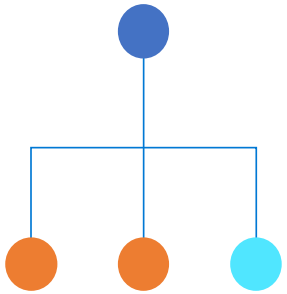


Fully Managed Infrastructure – Azure Spring Cloud



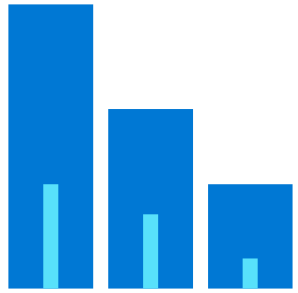
Demo Time

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