

Azure Spring Apps Enterprise

Optimized for the needs of
enterprise Spring developers

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Cloud Native Applications

Ship faster, reduce risk, and grow your business

“Cloud native is structuring teams, culture, and technology to utilize automation and architectures to manage complexity and unlock velocity.”

How do you build cloud native applications?

- Agile
- DevSecOps
- Continuous Delivery
- Microservices/Modulith
- Containers

Taking into account the changes in priority order, definition, and additions, this book describes the following facets of cloud-native applications:

1. One codebase, one application
2. API first
3. Dependency management
4. Design, build, release, and run
5. Configuration, credentials, and code
6. Logs
7. Disposability
8. Backing services
9. Environment parity
10. Administrative processes
11. Port binding
12. Stateless processes
13. Concurrency
14. Telemetry
15. Authentication and authorization

O'REILLY®

Compliments of
Pivotal

Beyond the Twelve-Factor App

Exploring the DNA of Highly Scalable, Resilient Cloud Applications



Kevin Hoffman

Spring by VMware Tanzu

The Standard for Cloud Native Java



Spring Framework

The Core Functionality



Spring Boot

Build Anything



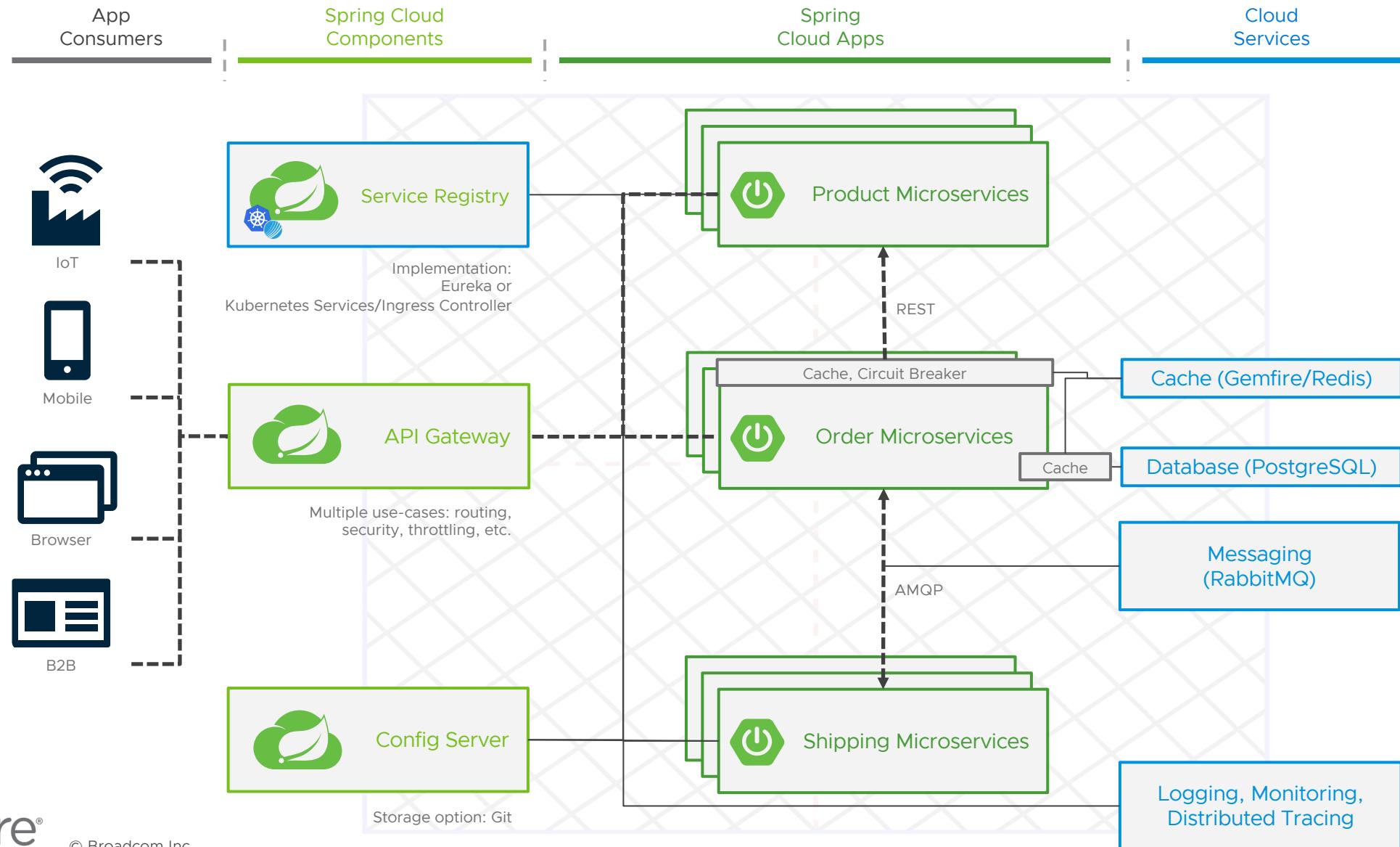
Spring Cloud

Coordinate Anything

Code Clarity | Lower Complexity | Less Tech Debt |

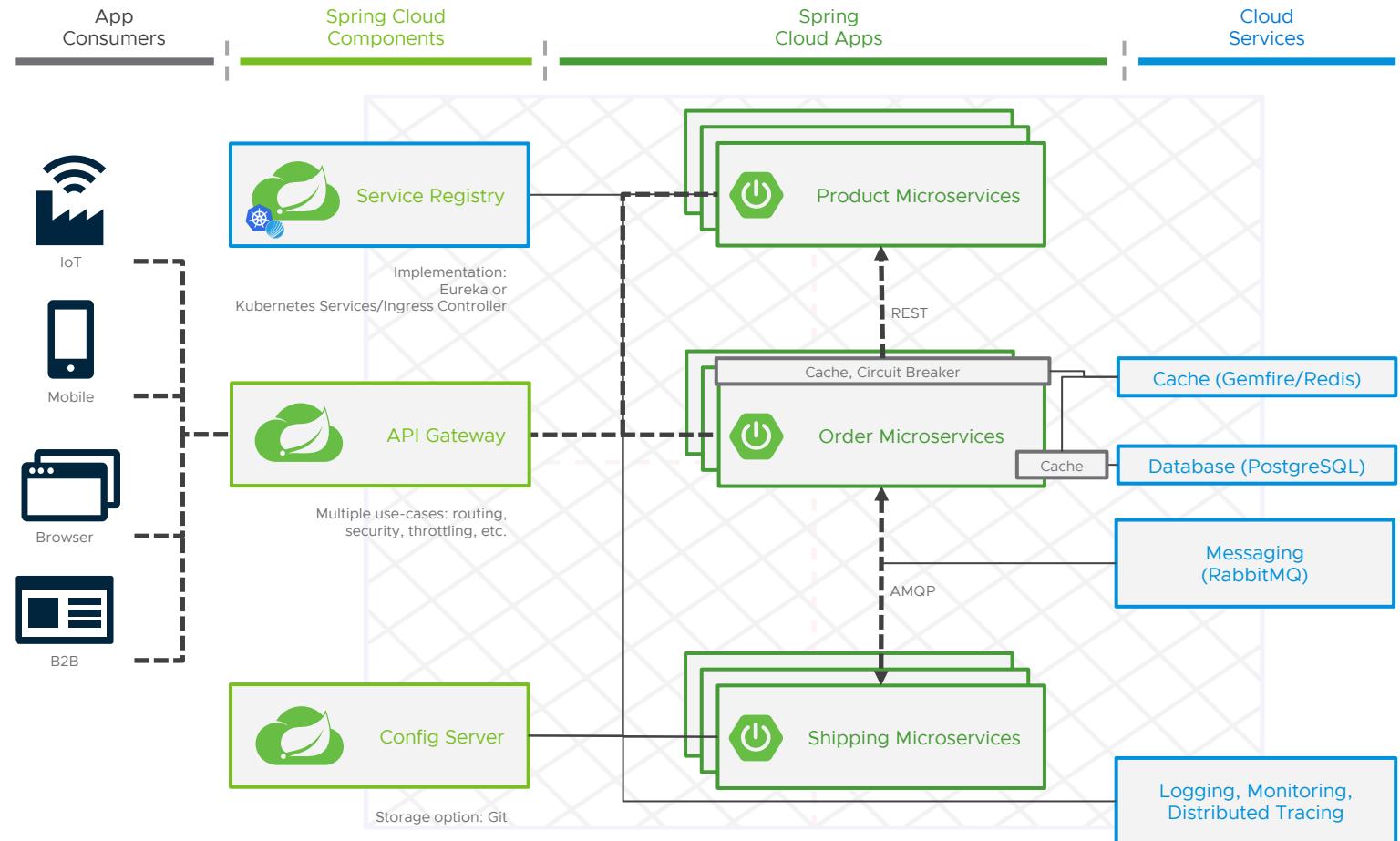
Focus on Business Logic | Better Test Coverage | Faster Code Completion

A Typical Cloud Native Application Architecture



Common challenges

- **High effort required** to manage cloud infrastructure for microservices
- Application lifecycle is difficult to manage
- **Painful** to troubleshoot application issues



Take Advantage of Kubernetes Benefits

What benefits have your organization realized from operating Kubernetes?

 Improved resource utilization

 Eased application upgrades and maintenance

 Shortened software development cycles

 Increase flexibility of applications

 Enabled our move to the cloud

 Enabled a hybrid cloud model

 Reduced public cloud costs

 Almost all respondents see operational benefits from Kubernetes



50%

37%

36%

41%

98%

36%

62%

The benefits of Kubernetes, without the hassle.

Azure Spring Apps is 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

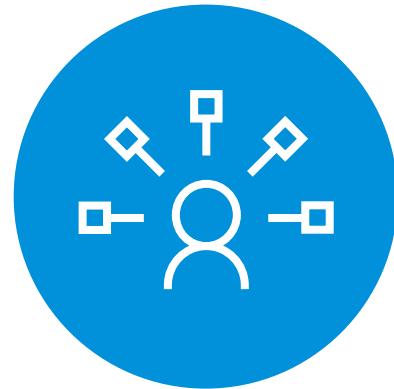
A fully managed service for Spring Boot and Steeltoe .NET Core microservices



More choices and full integration into Azure's ecosystem and services



Fully managed infrastructure



Built-in app lifecycle management



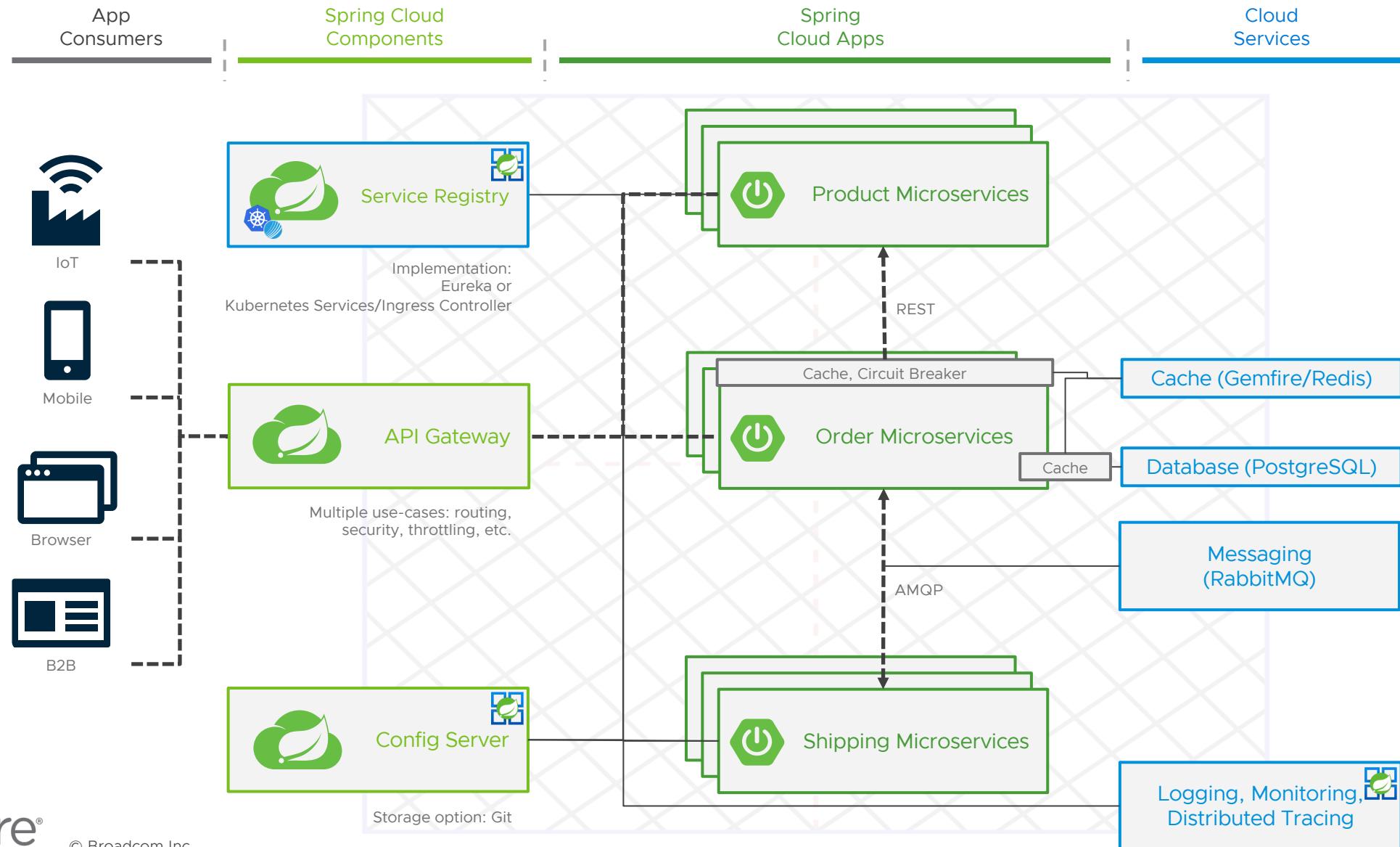
Ease of monitoring

Enterprise ready

Jointly built, operated, and supported by



A Typical Cloud Native Application Architecture



Azure Spring Apps Enterprise

Optimized for the needs of enterprise Spring developers

Introducing Azure Spring Apps Enterprise



Optimized for the
needs of enterprise
Spring developers.



Enhance developer productivity and
get Spring Apps to production, faster



Advanced configuration and
integration to meet your application
needs

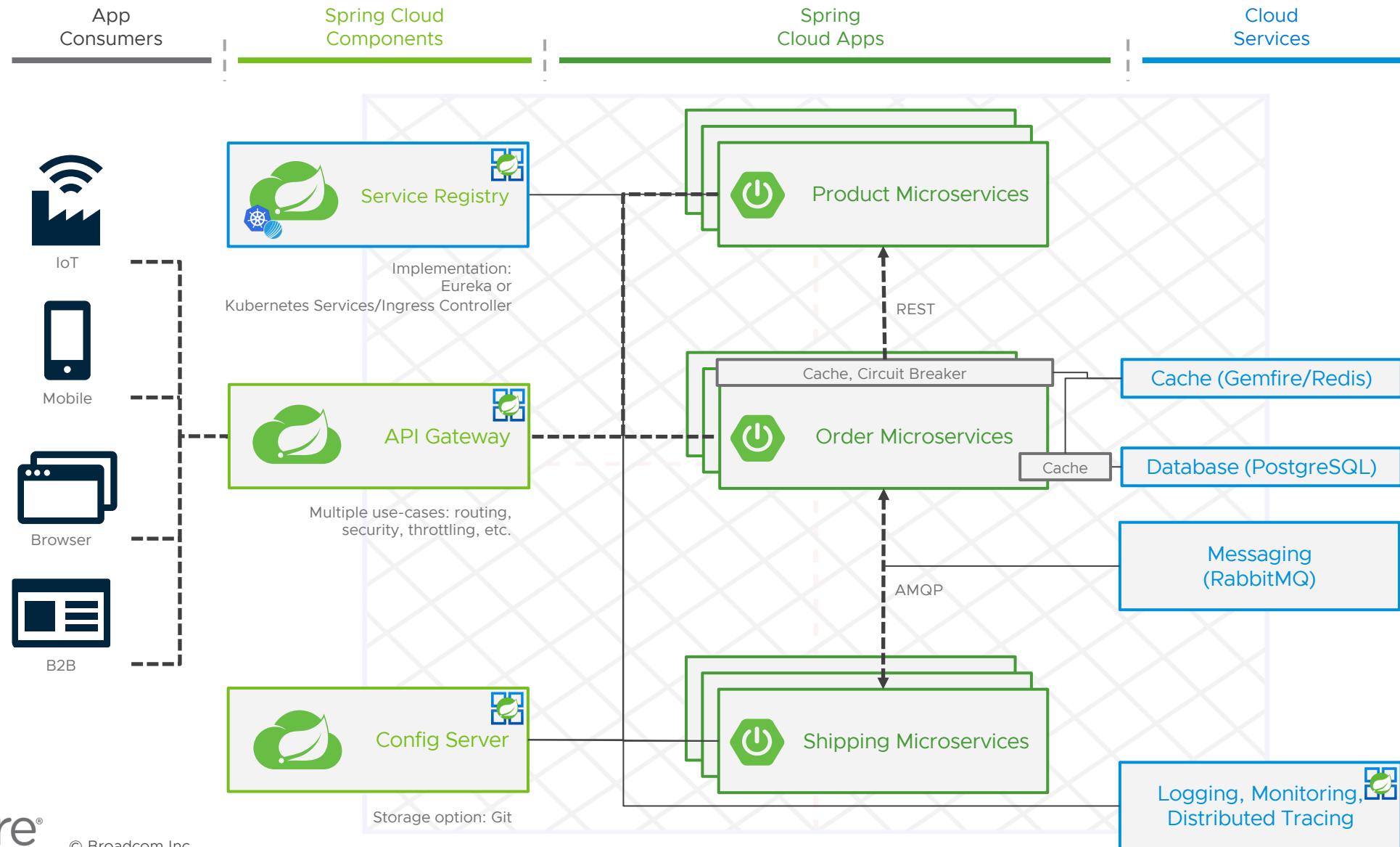


Grow your Spring application portfolio
while reducing operational toil



Ensure the security and stability of
your Spring application portfolio

A Typical Cloud Native Application Architecture



VMware Spring Runtime Support Included

For any Spring Workload deployed in Azure Spring Apps Enterprise



Lean on Spring Experts

VMware has years of experience with Spring Framework, Spring Boot, and Apache Tomcat®



24x7 support from VMware

Focus on your work and leave the support to us



Extended Long-Term Support

Minimum 24 months of support from release date

What's in the Enterprise Tier

- Buildpacks with app integrations
- Management of app container creation
- Out-of-the-box SSO with any identity provider
- Out-of-the-box throttling and caching
- Accelerators for hardening app config and best practices
- Cloud-native streaming and batch data processing pipelines



- Build Service
- Application Configuration Service
- Service Registry
- Spring Cloud Gateway
- API portal
- Application Accelerator
- Application Live View
- Spring Support
- Higher SLA (99.95%)
- Higher Infra Limits



Thank You