

Dapr - A La Carte Ingredients for Any Cloud Native Cook

Ori Zohar

Sr. Program Manager, Microsoft

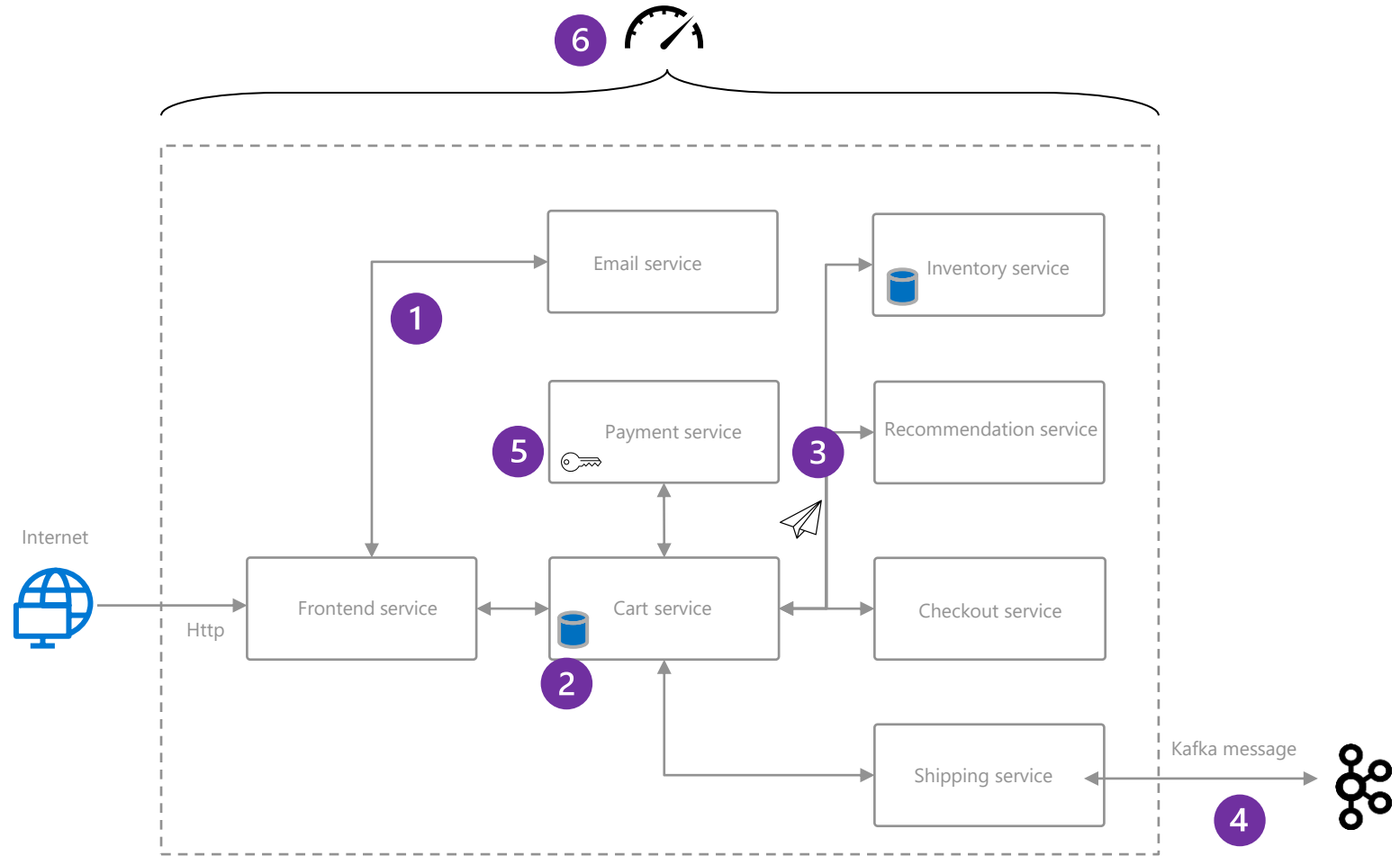
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Distributed Application Runtime

Distributed app development

- 1 Service discovery and invocation
- 2 Stateful services
- 3 Pub/sub messaging
- 4 Integration with external systems
- 5 Secret management
- 6 Observability



Additional considerations...

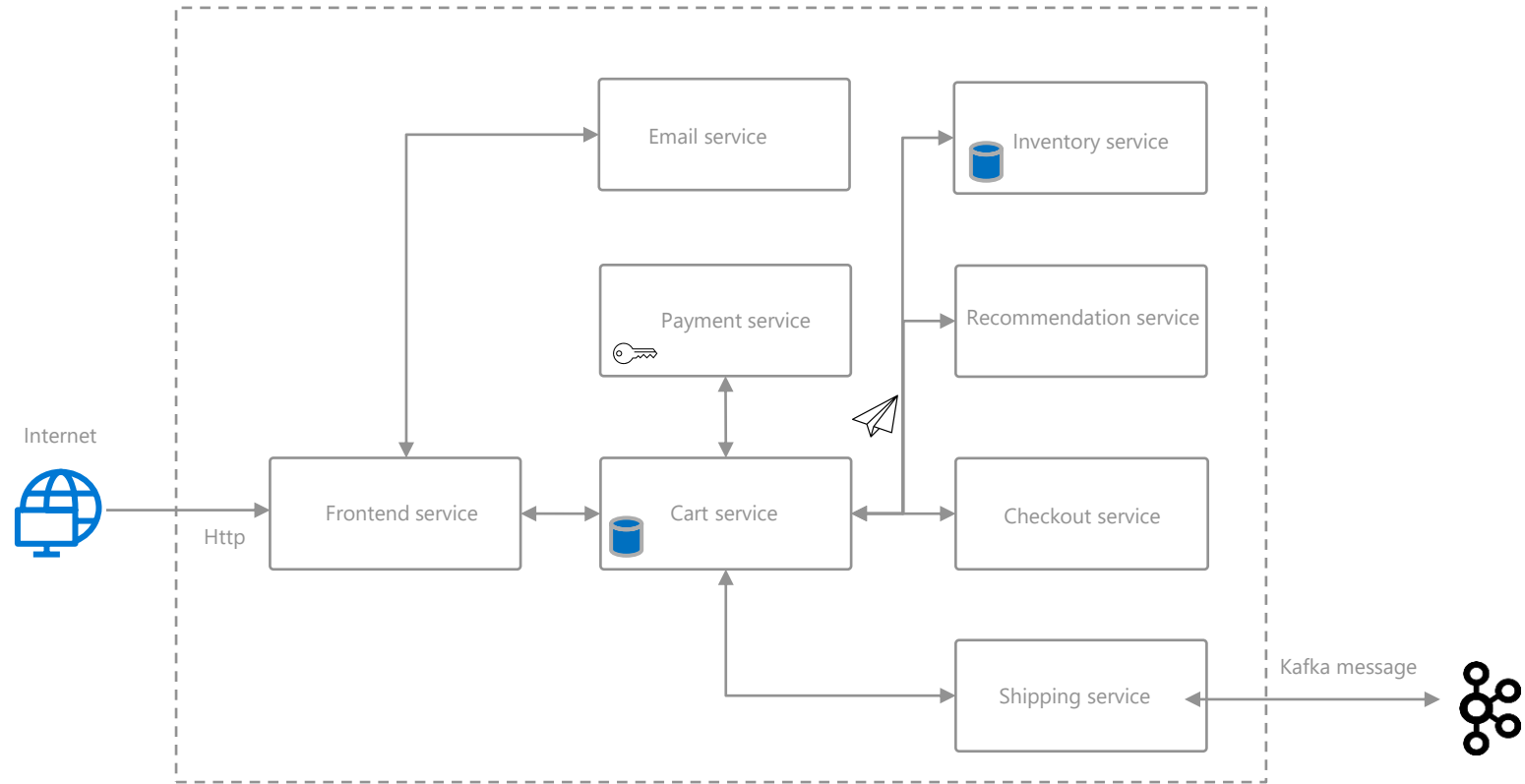
Multi-cloud

Language agnostic

Use industry standards

Security

Other best practices...





Distributed Application Runtime

dapr.io | docs.dapr.io | blog.dapr.io

Portable, event-driven,
runtime for building
distributed applications
across cloud and edge

Dapr Principles



Best-practices building blocks



Consistent, portable, open APIs



Extensible and pluggable components



Any language or framework



Adopt standards

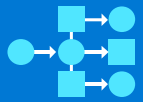


Platform agnostic cloud + edge



Community driven vendor neutral

Microservice building blocks



Service-to-service invocation

Perform direct, secure, service-to-service method calls



State management

Create long running, stateless and stateful services



Publish and subscribe

Secure, scalable messaging between services



Bindings (input/output)

Trigger code through events from a large array of inputs
Input and output bindings to external resources including databases and queues



Actors

Encapsulate code and data in reusable actor objects as a common microservices design pattern



Observability

See and measure the message calls across components and networked services



Secrets

Securely access secrets from your application

Dapr: Distributed Application Runtime

Build apps using any language with any framework

Application code

Microservices written in



HTTP API

gRPC API



Service-to- service invocation



State management



Publish and subscribe



Bindings (input/output)



Actors



Observability



Secrets

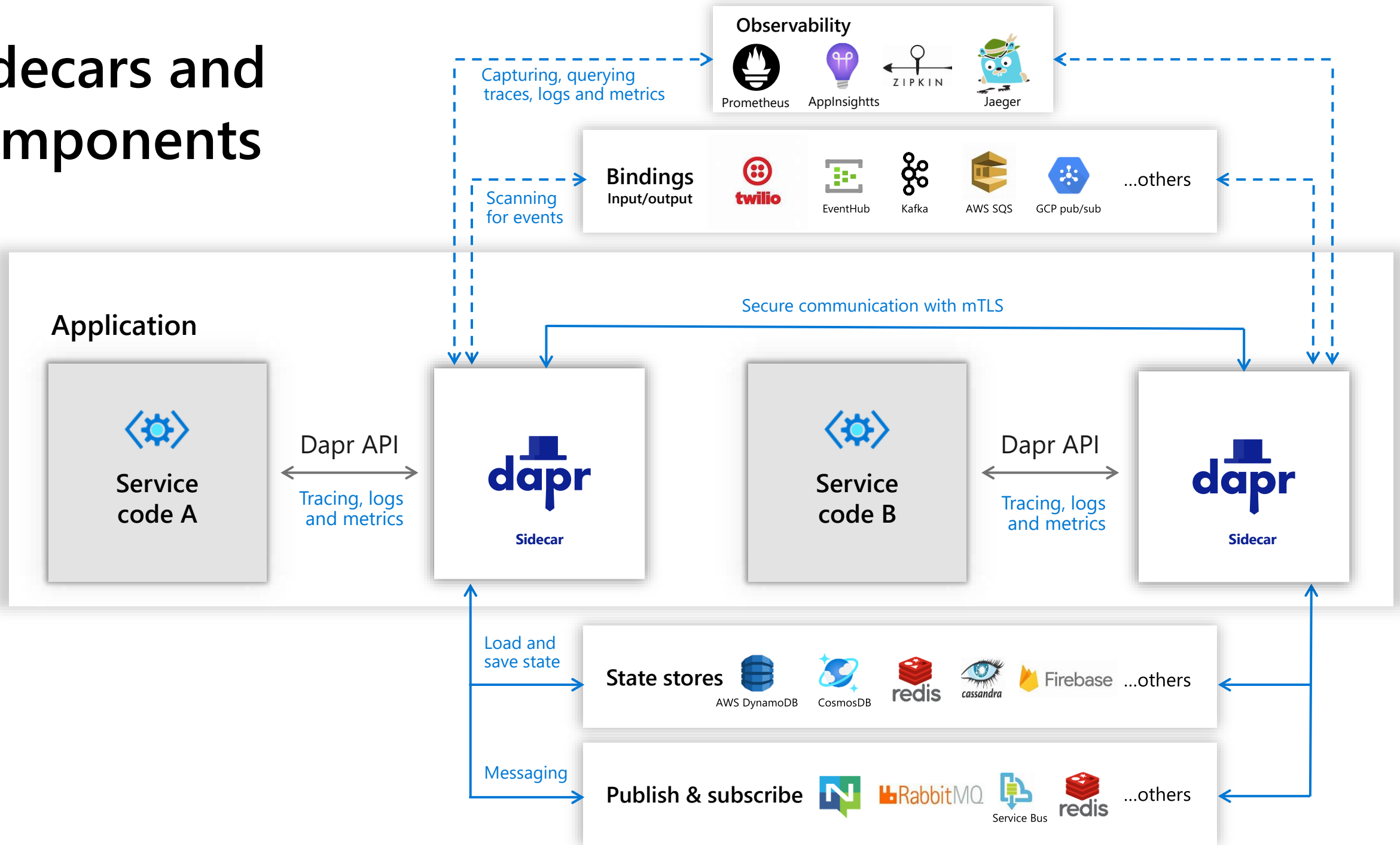


Extensible

Any cloud or edge infrastructure

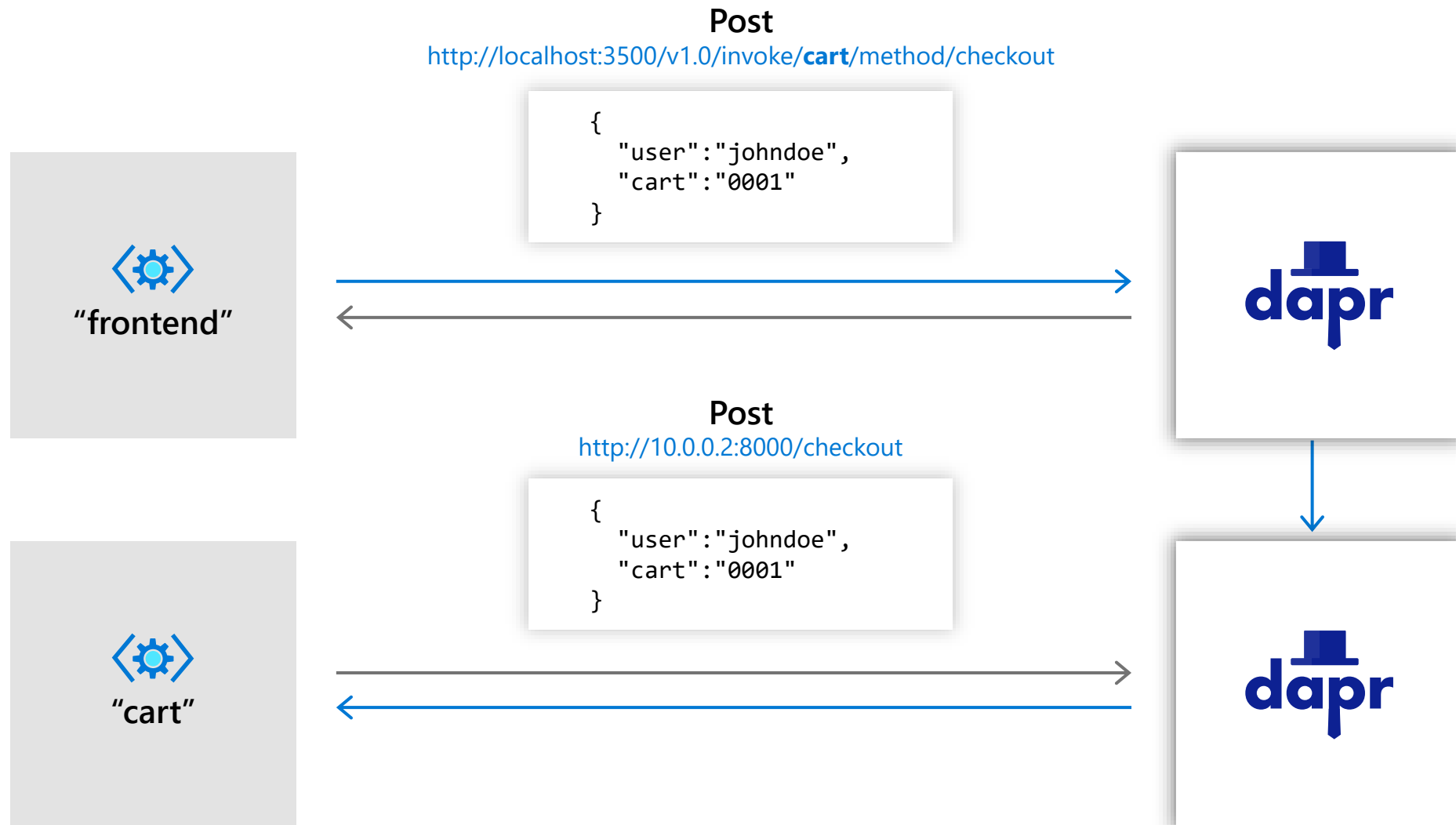


Sidecars and components



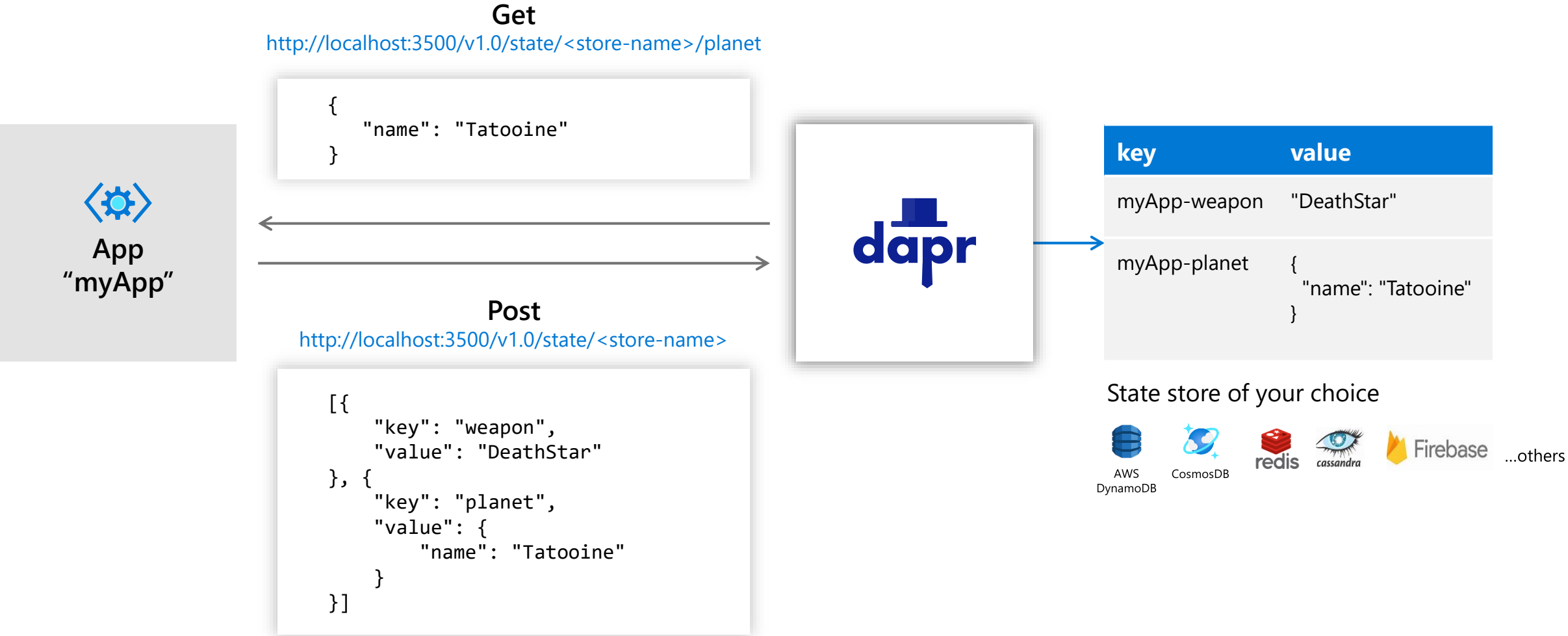
Microservice building blocks

Service invocation



Microservice building blocks

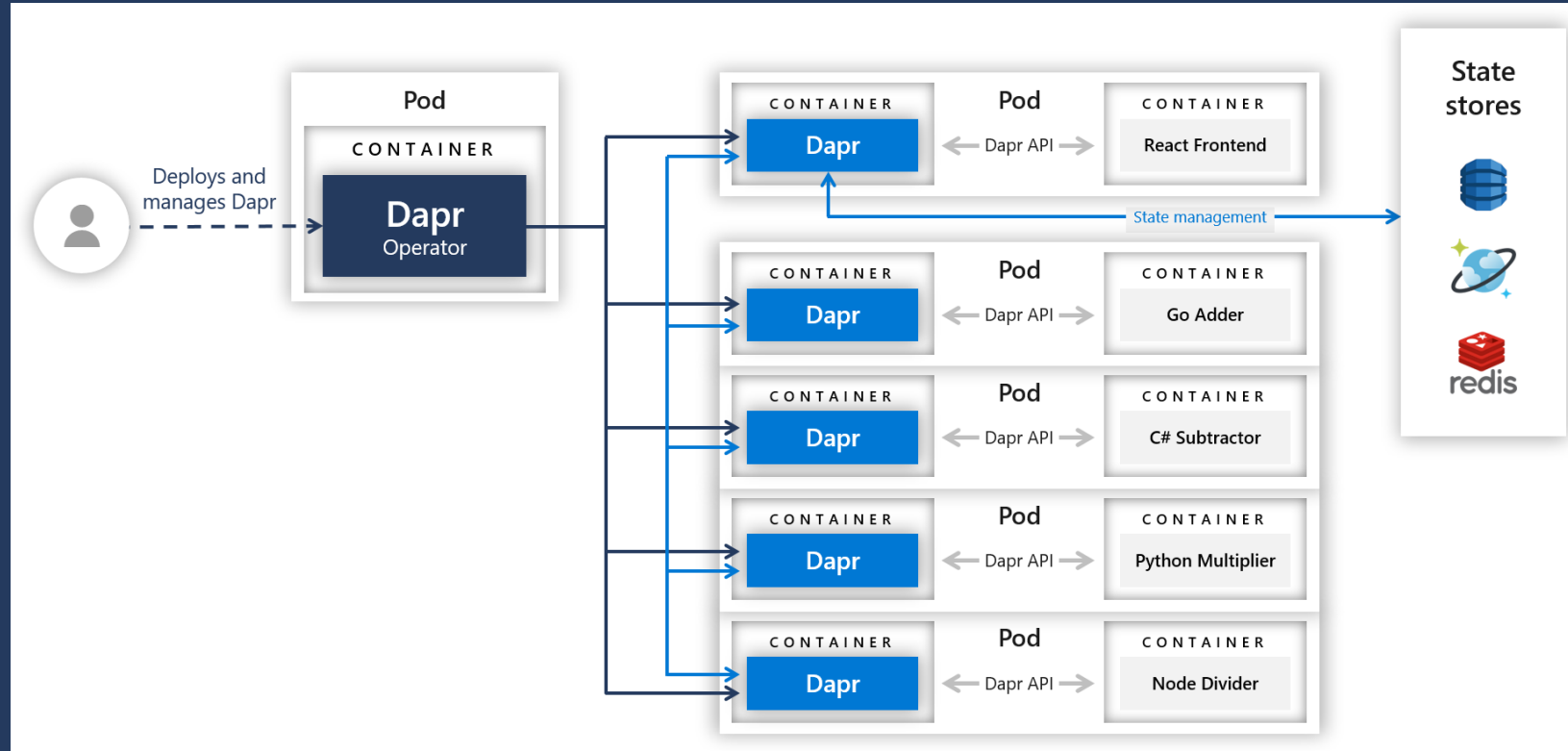
State management: key/value



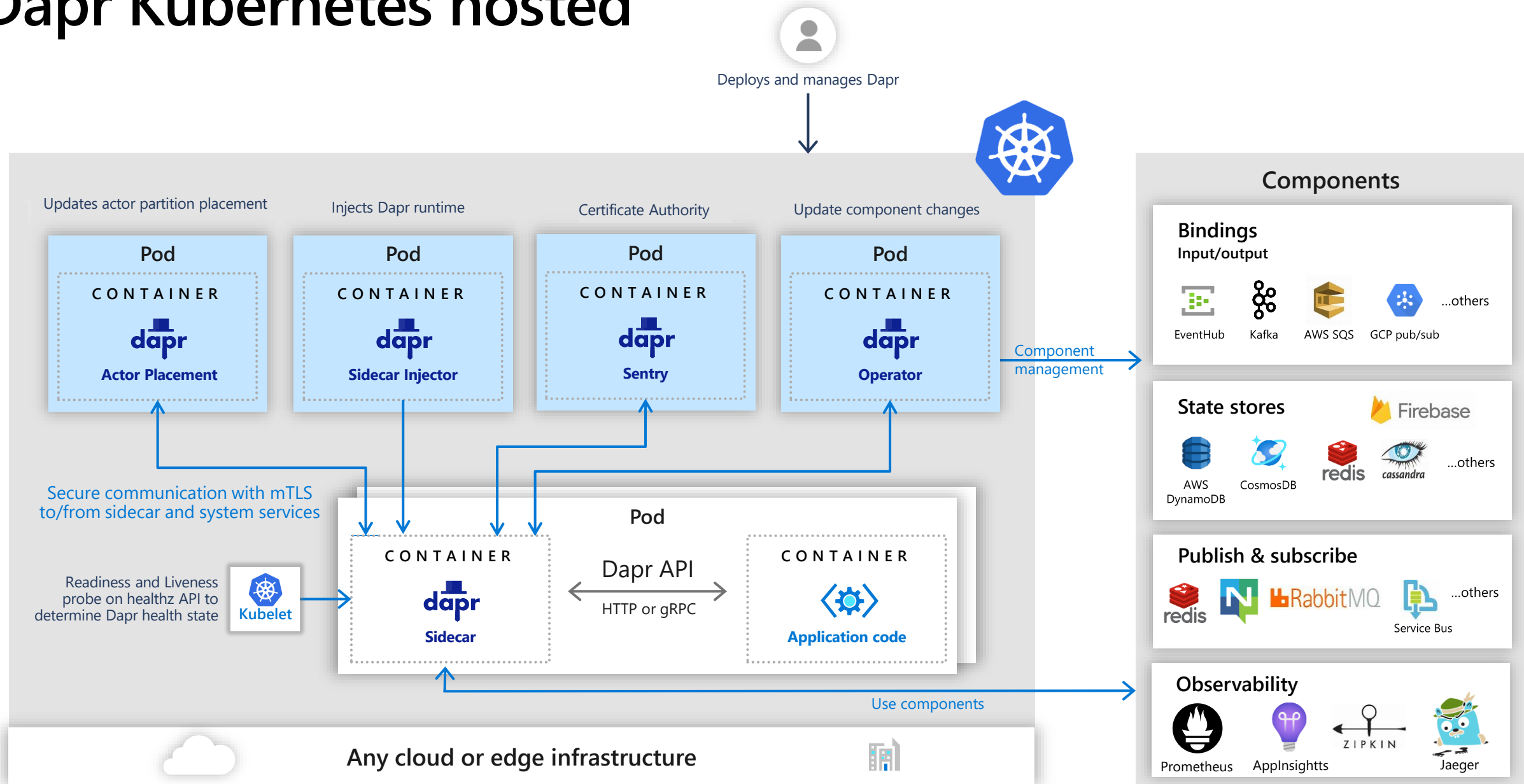
DEMO

Distributed calculator

<https://github.com/dapr/quickstarts>



Dapr Kubernetes hosted





v1.0-rc.1
now available!

<https://aka.ms/dapr-v1.0-rc>



dapr.io



docs.dapr.io



@daprdev



github.com/dapr