



Sviluppare applicazioni serverless con Azure Container Apps

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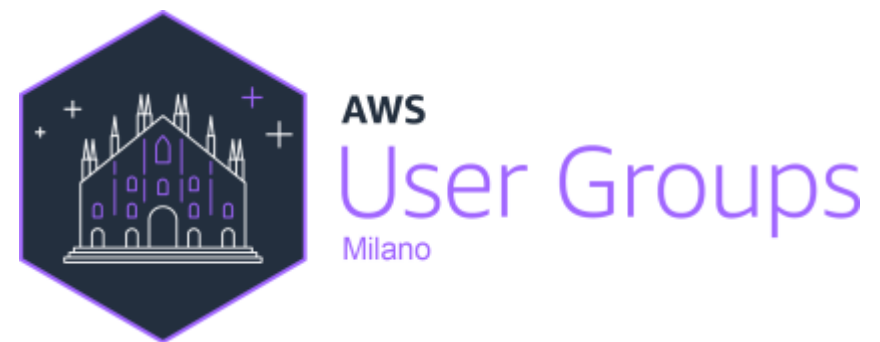


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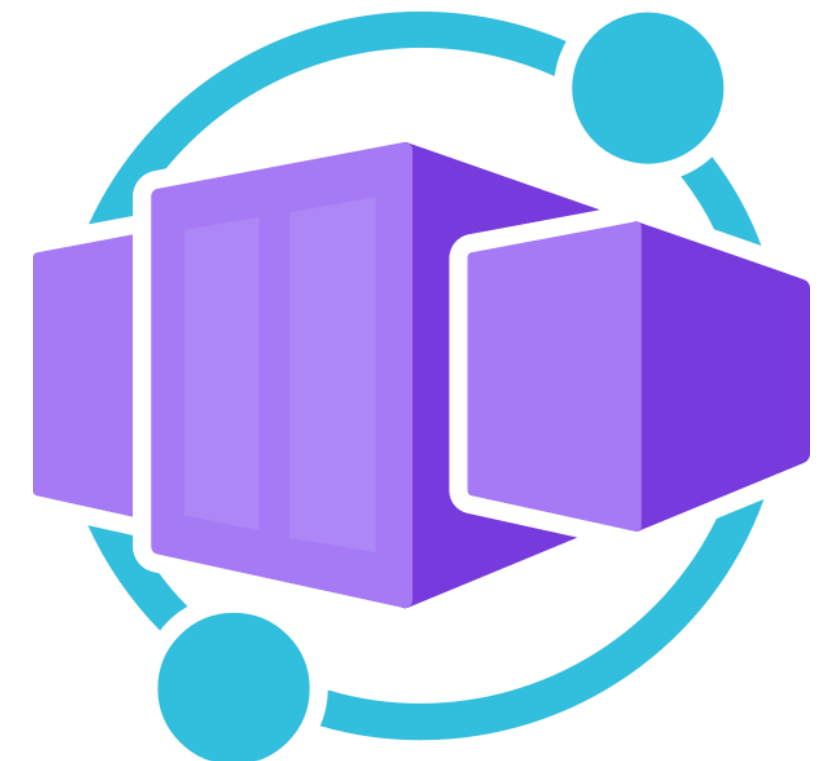


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Docker su Azure

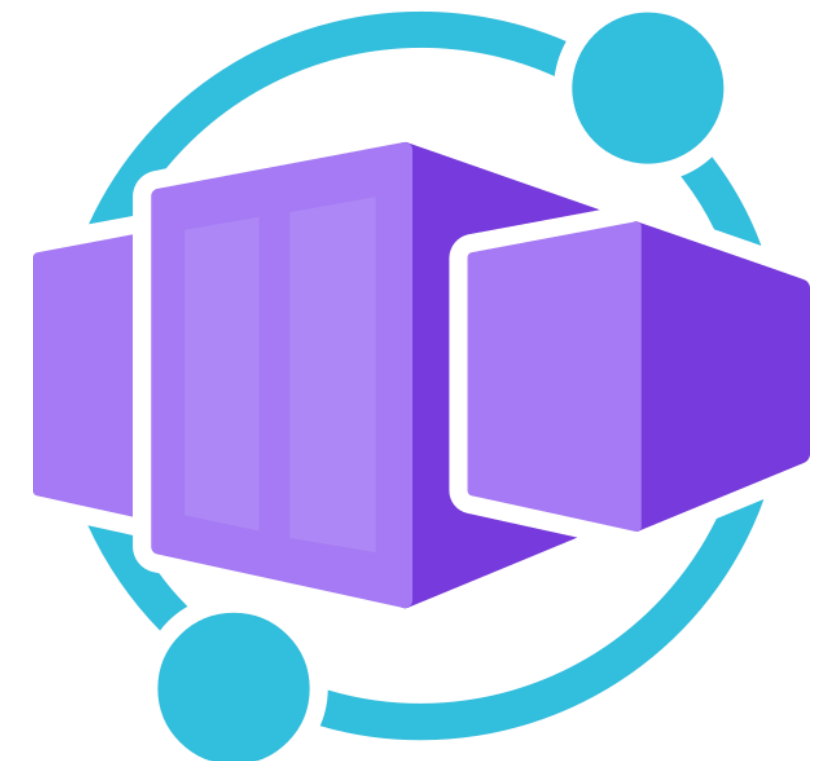
- Azure App Service
 - Orientato ad applicativi web
 - Istanze allocate
- Azure Container Instance
 - Singoli applicativi, no auto scale
- Azure Function
 - Framework specifico
- Azure Kubernetes Service

– Nodi preallocati + virtual node ACI



Azure Container Apps

- Hosting container
- Orientato ai microservizi
- Tecnologie consolidate
 - KEDA (Kubernetes Event-driven Autoscaling)
 - Envoy
 - Kubernetes Service
- Ingress HTTP/HTTPS
 - Differenziazione traffico



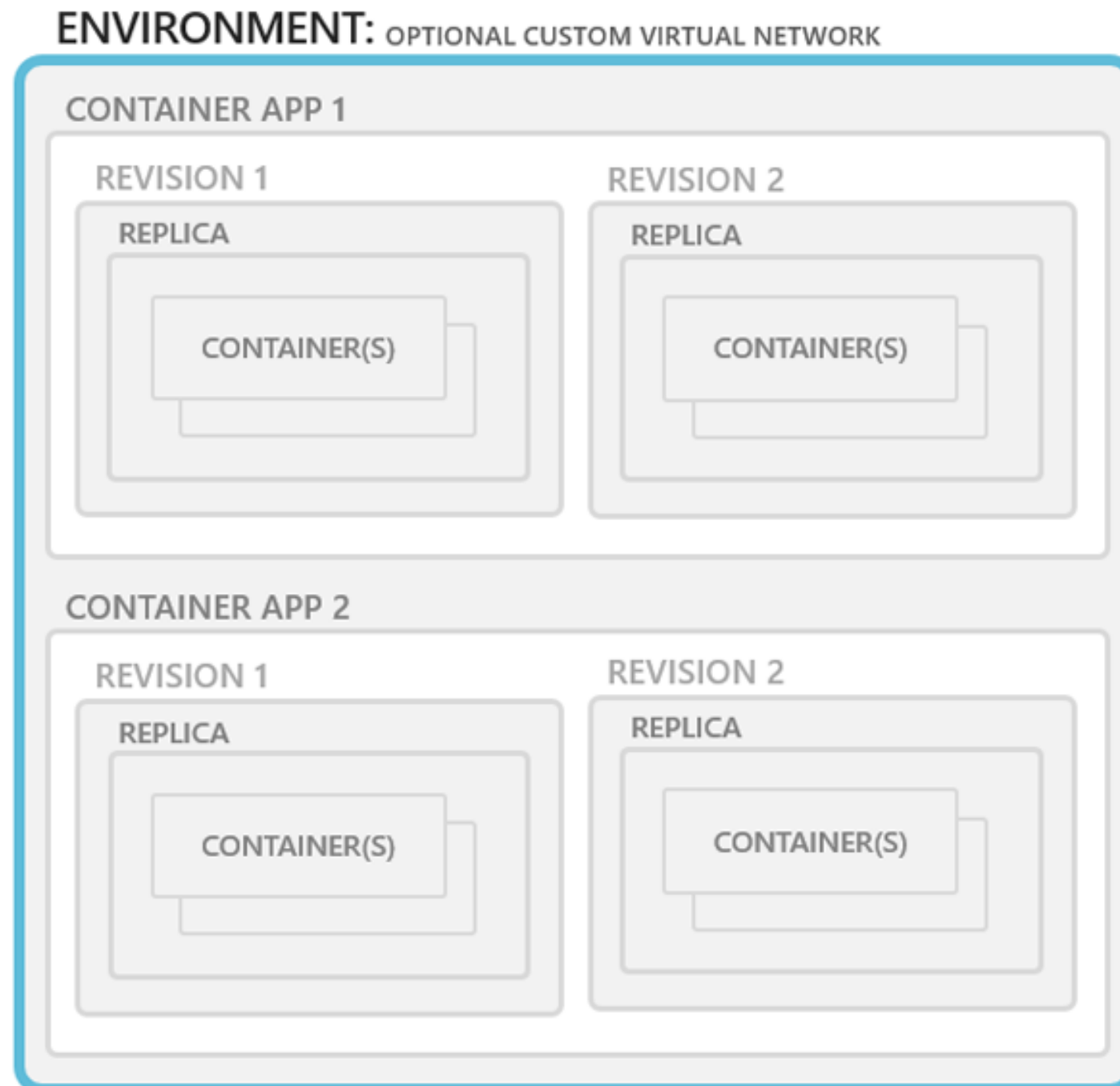
Caratteristiche

- Scaler per dimensionamento
 - Da zero istanze
- Logging
 - Azure Log Analytics
- Autenticazione
 - Layer come App Service
- Secrets e managed identity
- Accesso a console e stdout
- Mount file share
- Supporto a DAPR
 - Opzionale

Glossario



Environments are an isolation boundary around a collection of container apps.



DEMO

Hello world (environment+app)

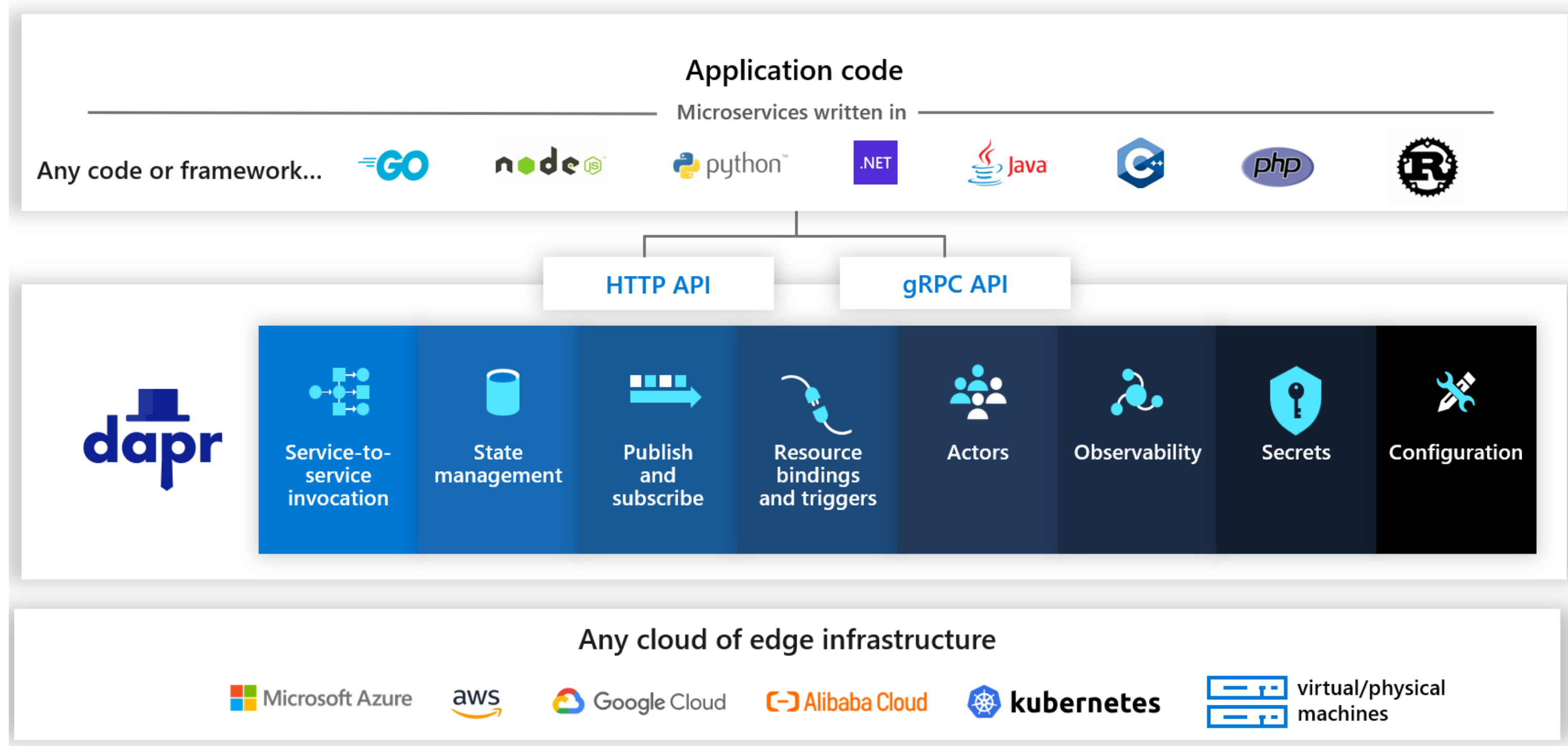
Scale, costi e revision

- Scaler di KEDA
 - Code, CRON, CPU, files, ecc
 - <https://keda.sh/docs/scalers/>
- Costi
 - Core riservati
 - Differenziato tra active e idle
 - RAM utilizzata
 - Differenziato tra active e idle
- Richieste
- CPU e RAM in parte gratuiti
- Revision
 - Più istanze concorrenti
 - Traffico in percentuale
 - Nessun down

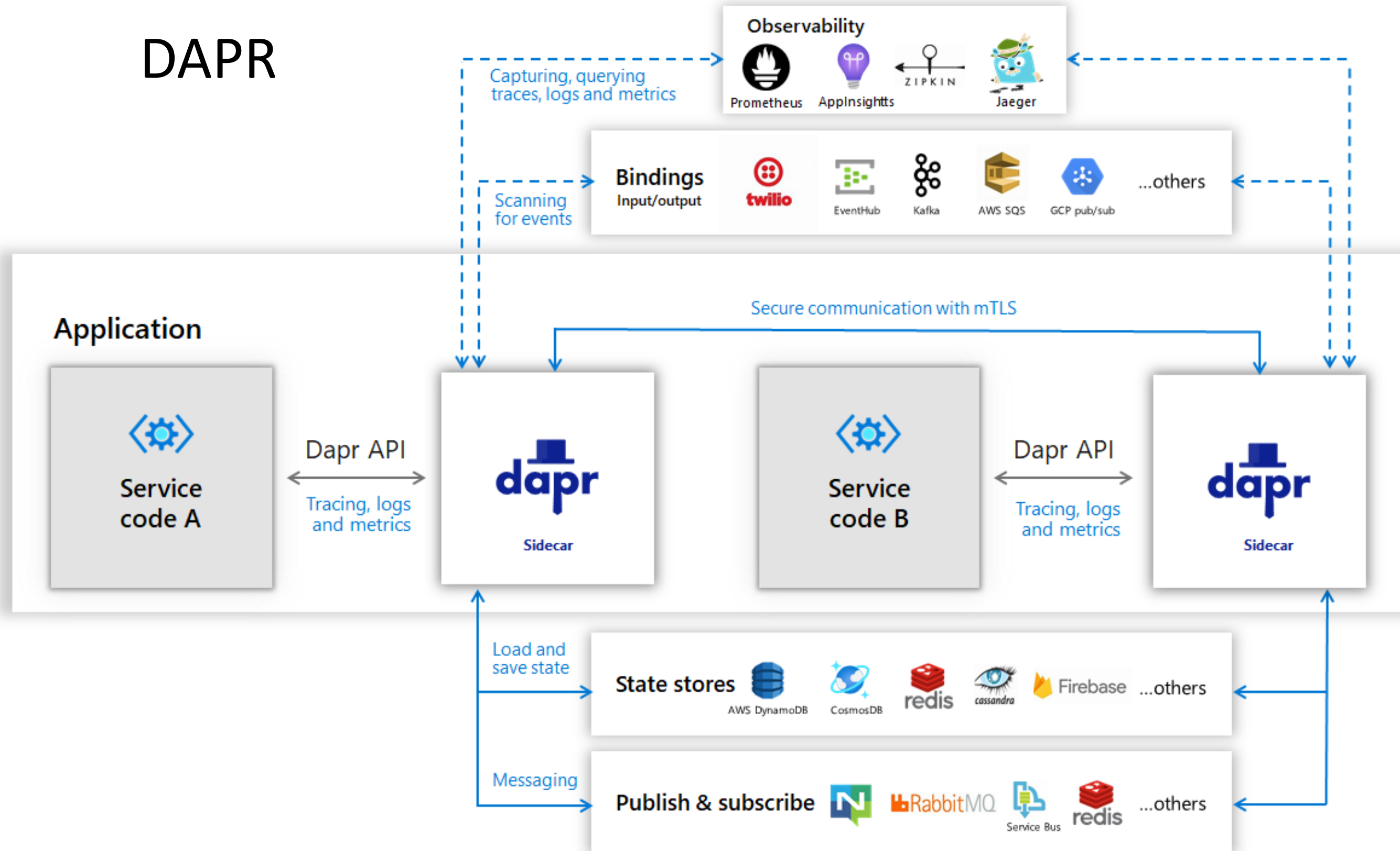
DEMO

Scale e revision

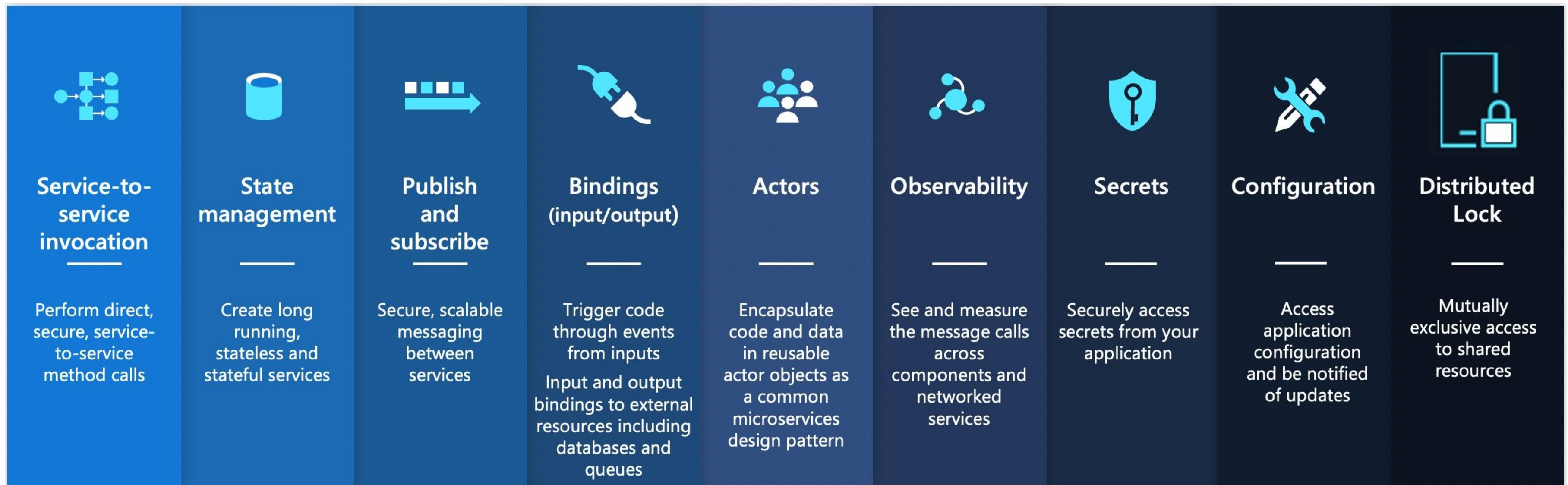
DAPR



DAPR



DAPR



DEMO DAPR

Grazie!