



Az COMMUNITY

____ Conference 2022 ____

Asia's Largest Azure Community Conference

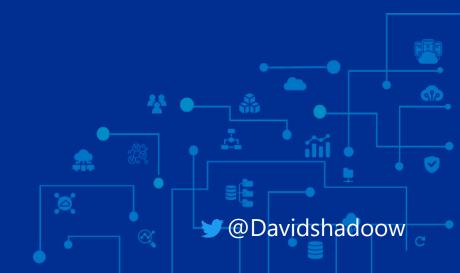






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Worry-free microservices with DAPR on Azure Container Apps

Thursday, October 20th 2022









Azure Container Apps

- Launched at #dotNETConf 2021 in (private) preview
- Generally available since Build 2022
- Deploy containerized apps without the hassle of managing Kubernetes

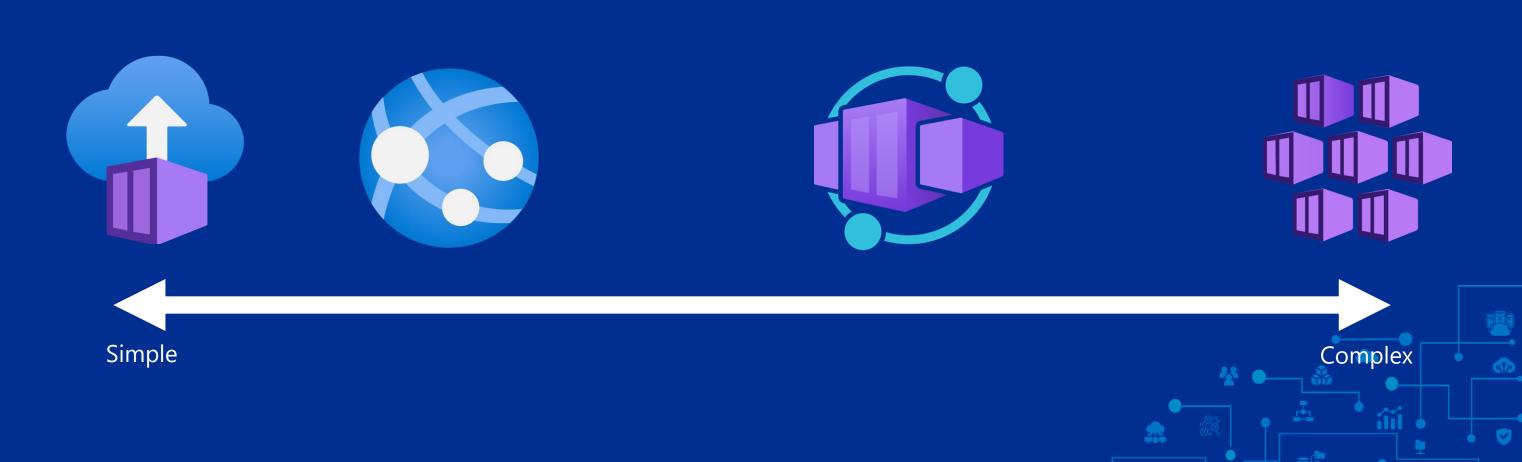




@Davidshadoow

Options for running containers in Azure

#AzConfDev





Features

- Serverless containers for microservices
- Scale to zero with Kubernetes Event-driven Autoscaling (KEDA)
- Seamlessly migrate to full blown Kubernetes possible (AKS)
- Dapr runtime built-in





AZCONF

Availability

- East Asia
- Australia East
- Brazil South
- Canada Central
- West Europe
- North Europe
- Japan East
- Korea Central

- UK South
- Central US
- East US
- East US2
- North Central US
- South Central US
- West US



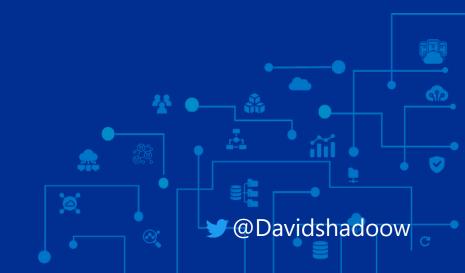


Demo





Decoupling microservices from your cloud infrastructure is hard?!





dipr Distributed Application Runtime

- Founded in 2019 by two ex-Microsoft employees
- Written in Go
- Service Mesh meets Application Runtime





"We predict that by 2022, 90% of new applications will feature microservices architectures"

<u>Microsoft Corporation – 16th of October 2019</u>





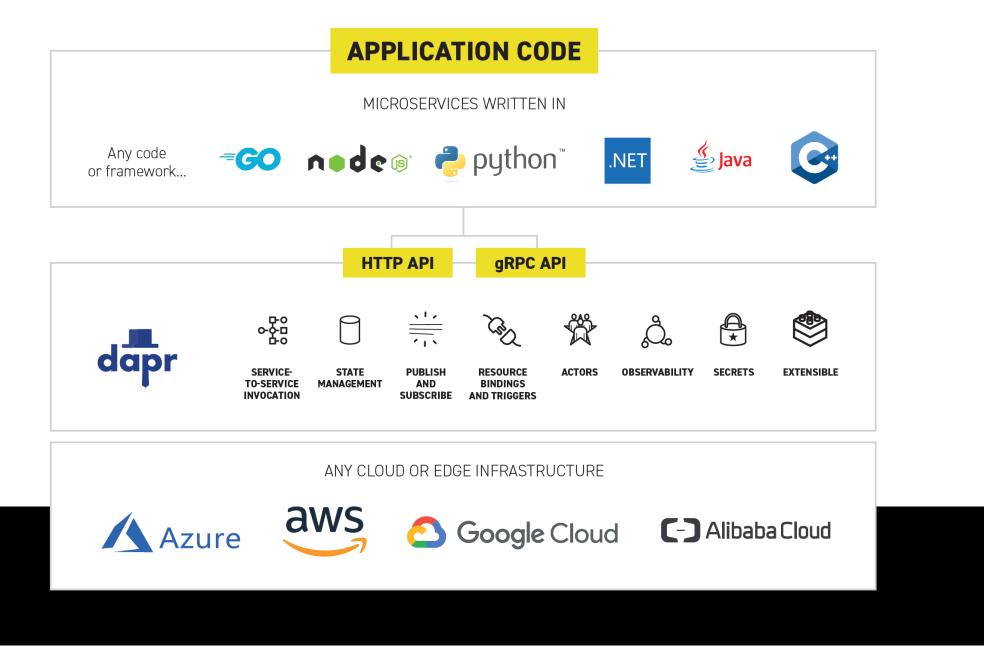
dapr What Dapr Does

- Abstracts away cloud infrastructure from application code and configuration
- Codifies the best practices for building microservice applications
- Creates a set of independent APIs reachable via HTTP or gRPC



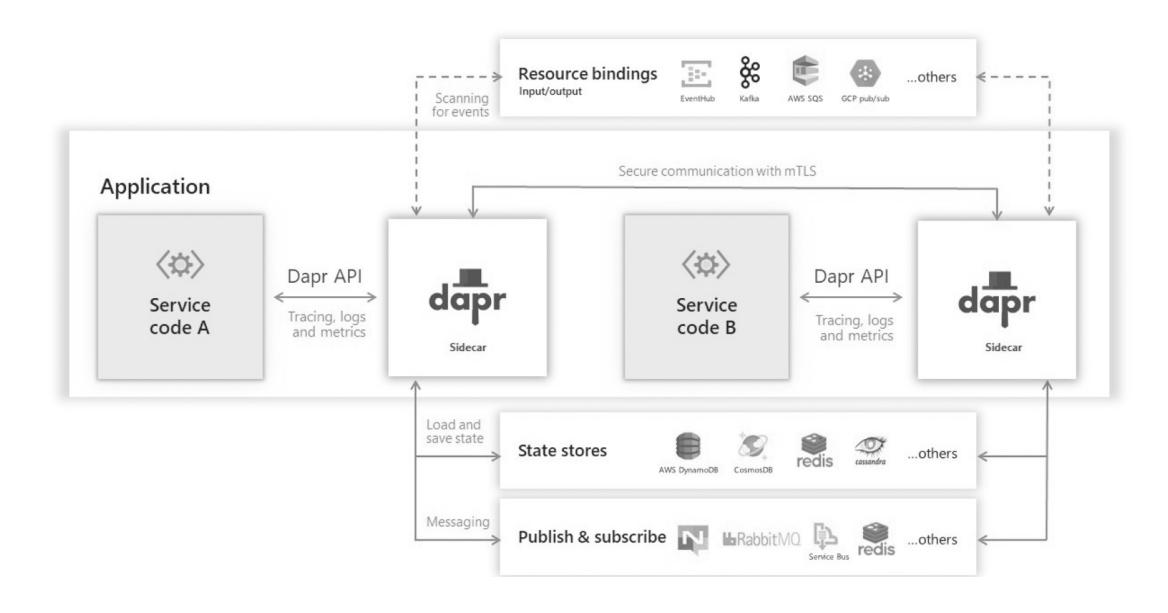




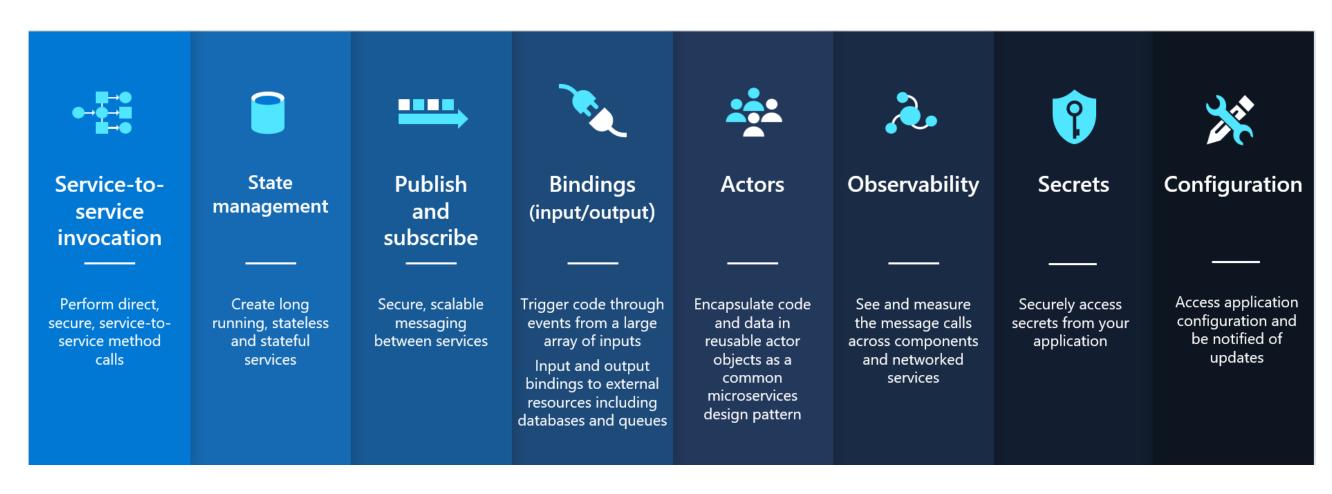


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SIDECAR AND COMPONENT ARCHITECTURE

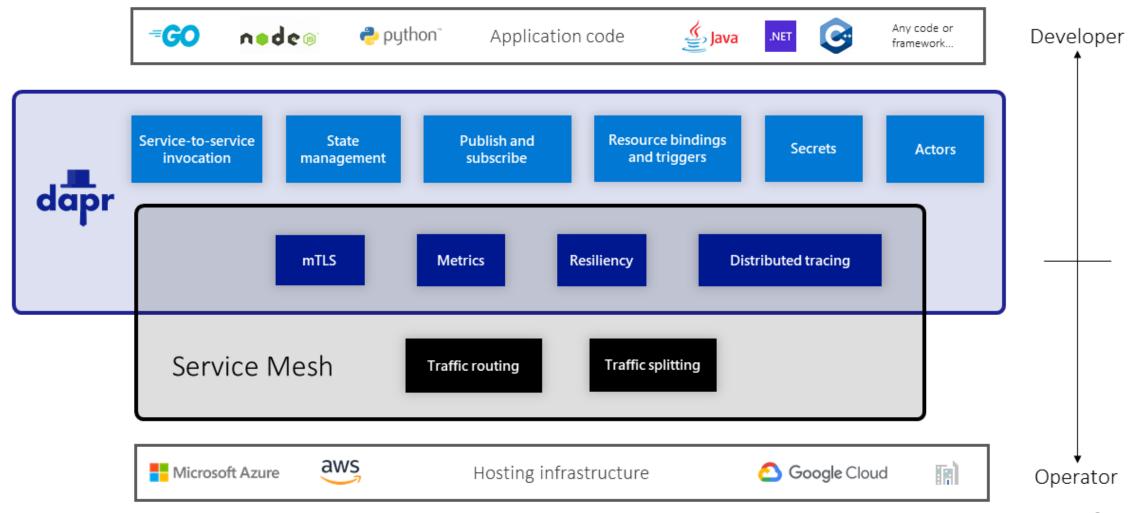








de Why Dapr isn't a Service Mesh





dapr But Dapr works with Service Meshes too

- Dapr works with Istio, Linkerd and Open Service Mesh
- Sidecars for both service will run together attached to the service





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dapr Dapr vs. Service Meshes

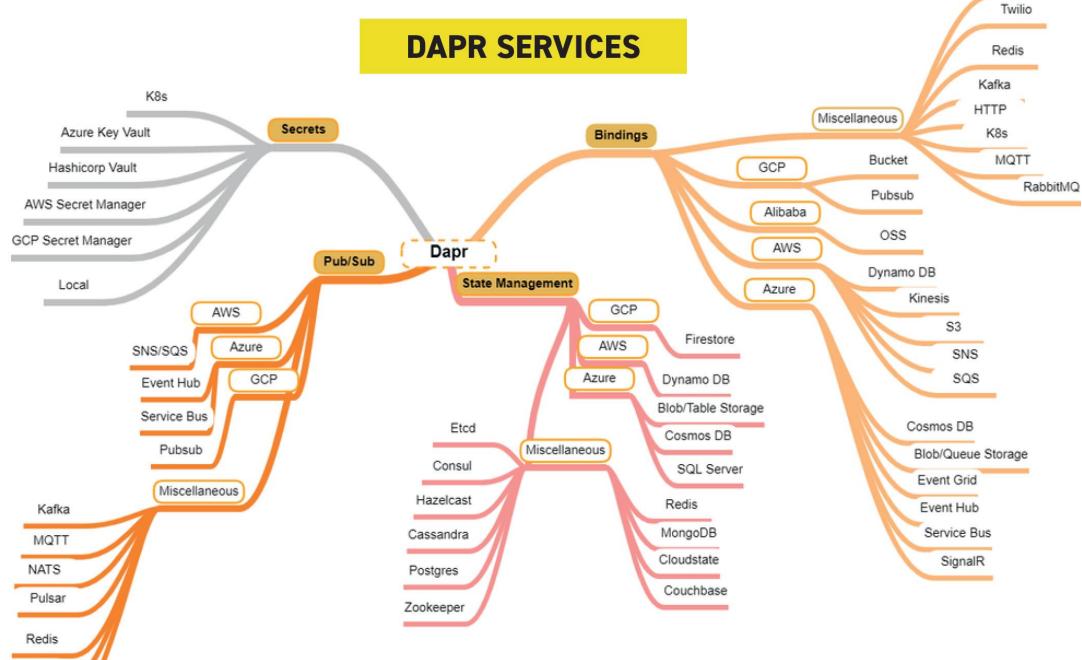
Dapr

- Requirement for one or more building blocks for the whole or only part of the application
- Wanting the runtime capabilities but no need for low-level network control
- Create infrastructure independent services

Service Mesh

- Enterprise grade networking requirements for E2E encryption or networking policies for all application traffic
- Traffic splitting or load balancing requirements for A/B testing or Blue/Green deployments





RabbitMQ

Hazelcast



Making the jump to hyperspace...





https://tinyurl.com/azconf2022





https://tinyurl.com/azconf2022-2





dapr Getting started with Dapr

- Dapr v1.9.0 released on October 14th 2022
- https://docs.dapr.io/getting-started/
- https://aka.ms/dapr-discord
- @daprdev





dapr Dapr community meetings

- Wednesday Nov 2nd 09:00am Pacific Time (PST) 9:30pm IST
- Wednesday Nov 16th 09:00pm Pacific Time (PST) 9:30pm IST
- Wednesday Nov 30th 09:00am Pacific Time (PST) 9:30pm IST
- Wednesday Dec 7th 09:00am Pacific Time (PST) 9:30pm IST
- Meetings are available on YouTube: http://aka.ms/dapr-recordings

Asset	Link
	Zoom Call: https://us02web.zoom.us/j/85305980190 Password: eWRhSklVTjJjSnhTaURDcFZaU2ZzQT09







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