



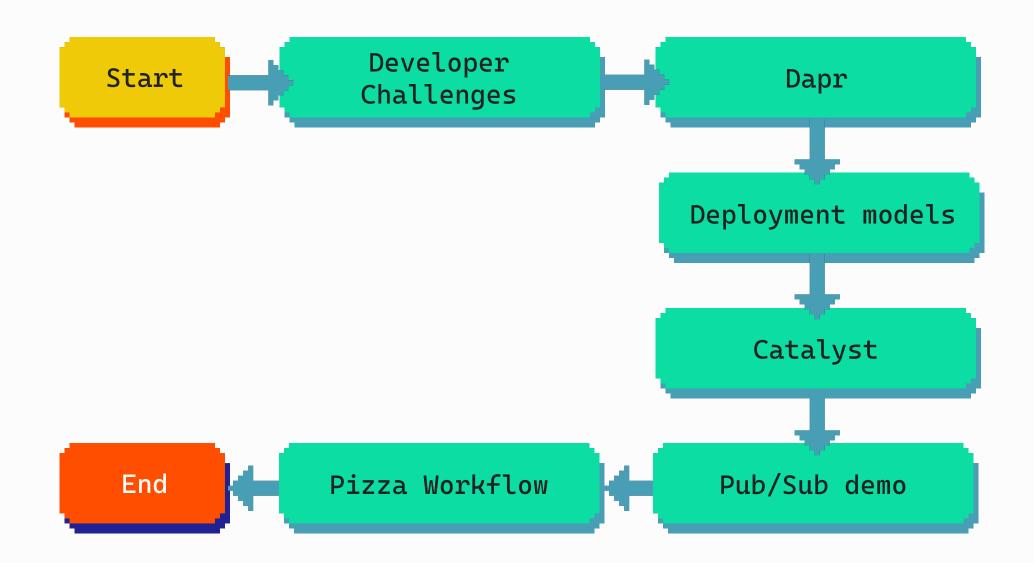
# One API to rule them all: serverless Dapr





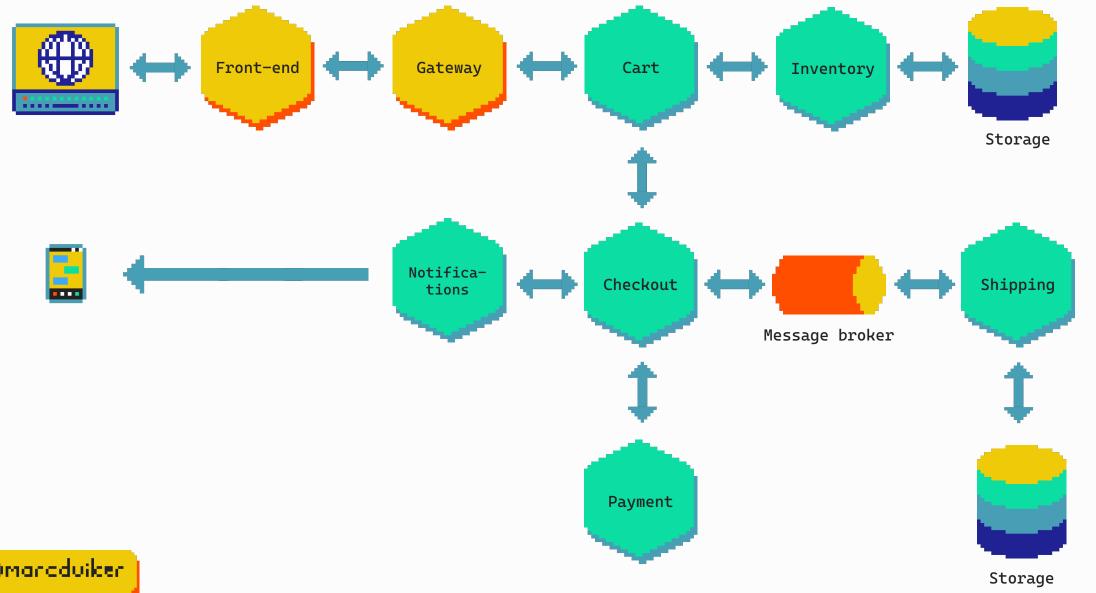


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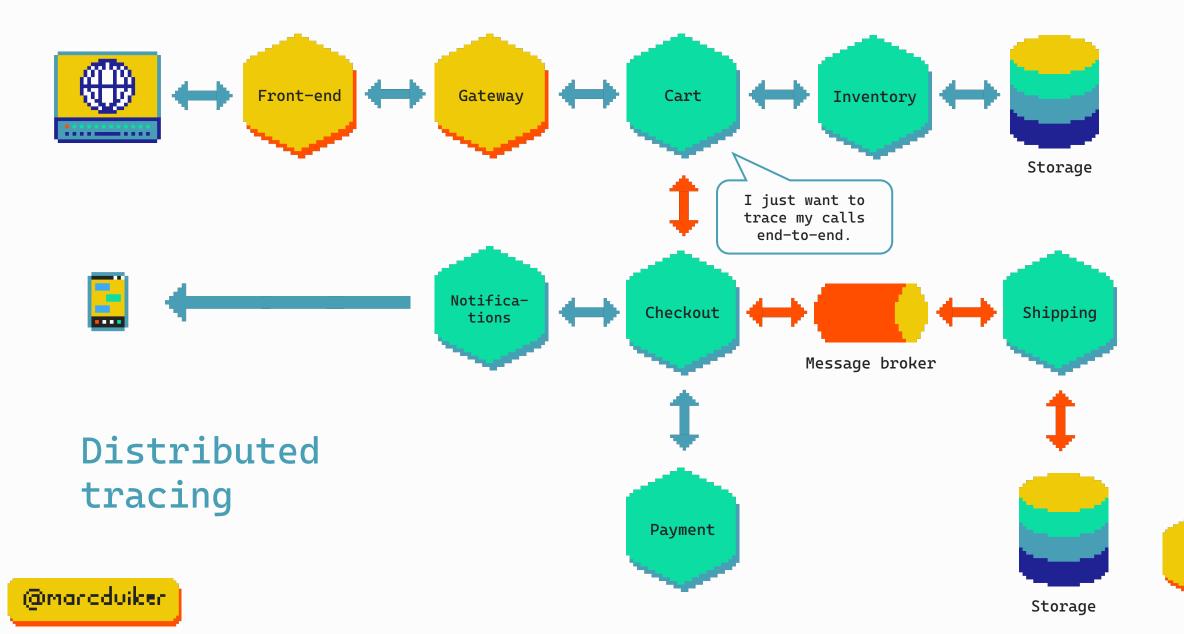
#### Distributed apps

4

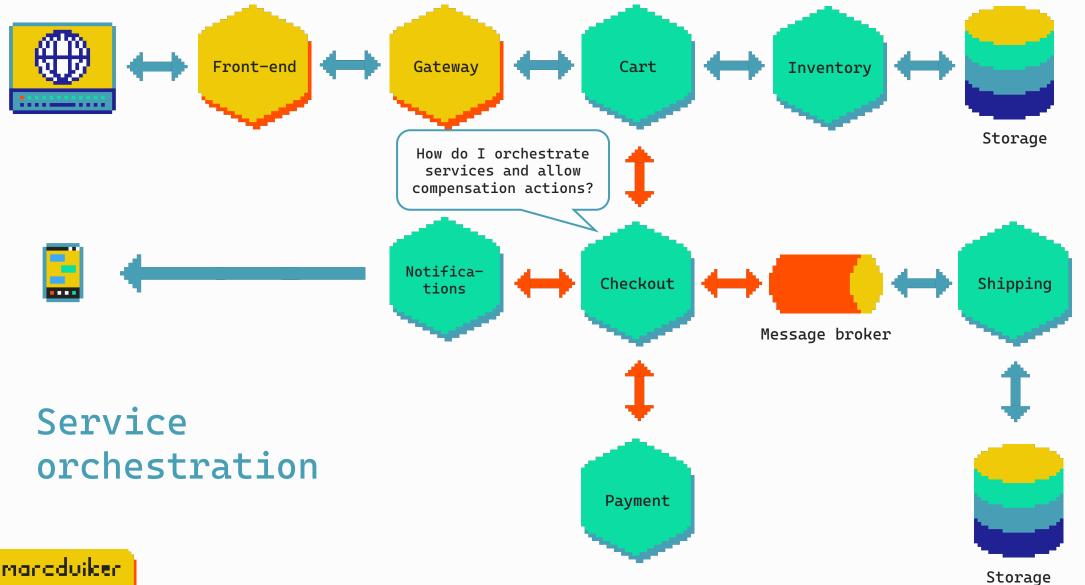


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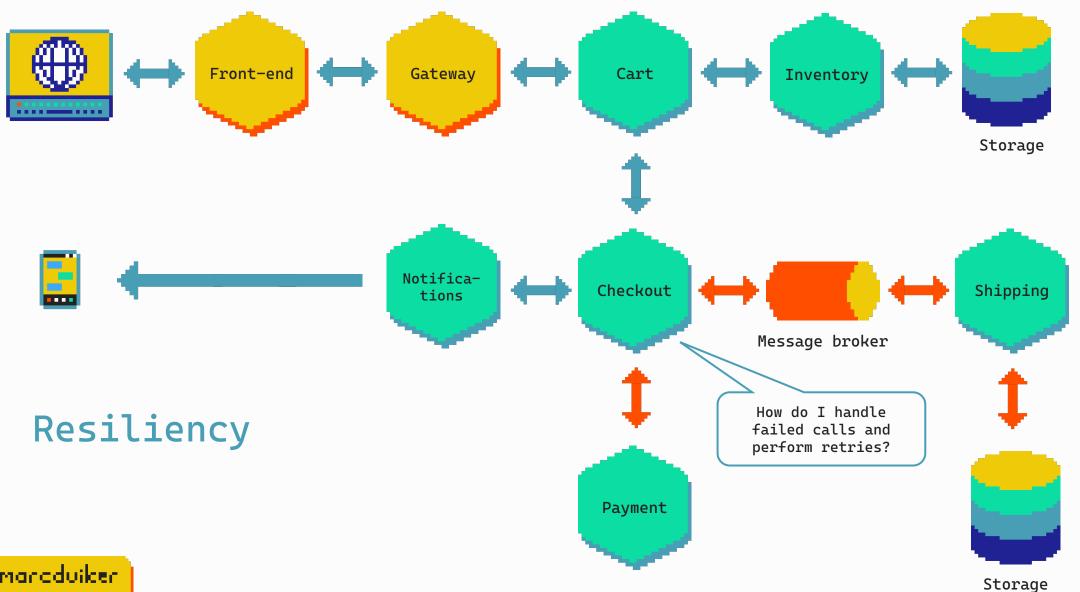


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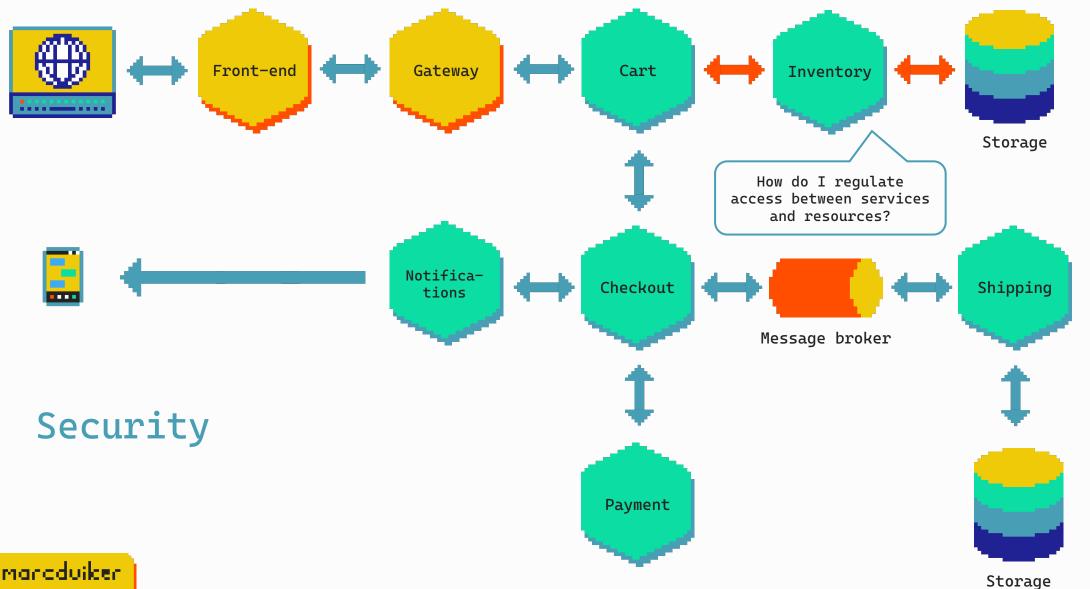


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@manaduiker

## Distributed application runtime

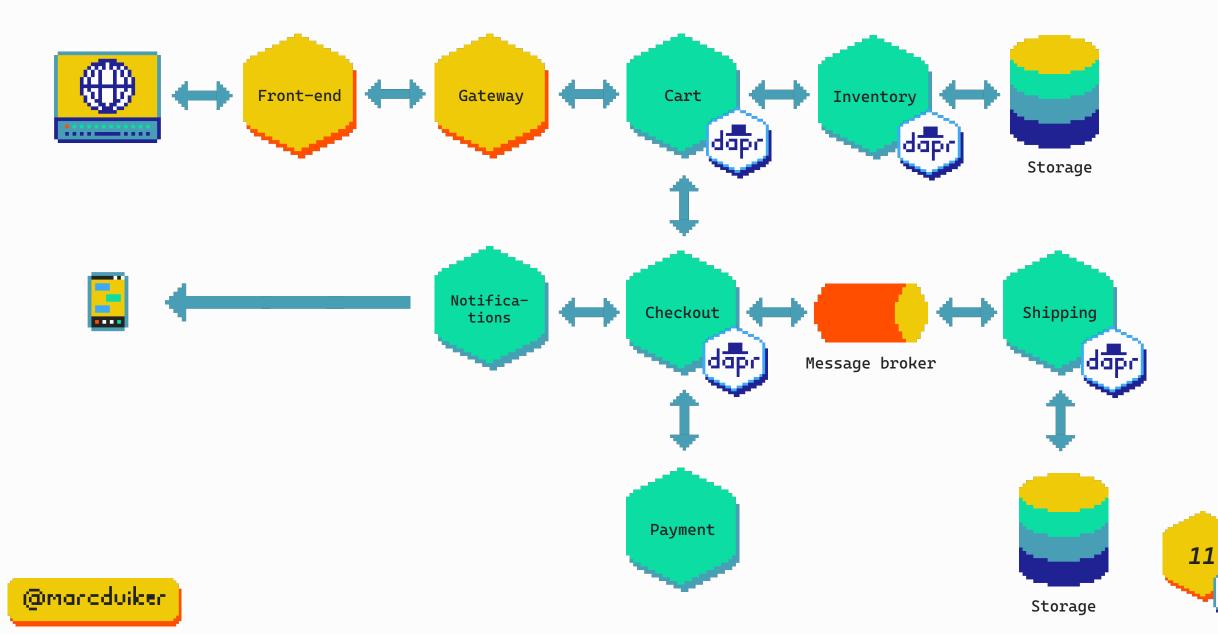




## Built-in security, resiliency and observability capabilities.



#### Distributed apps

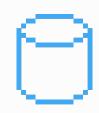


Speeds up microservice development by providing an integrated set of APIs for communication, state, and workflow.



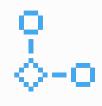
#### Dapr APIs











Service invocation

State Management

Publish & subscribe

Bindings (input & output)

Workflow











Actors

Secret Stores

External Configuration

Distributed Lock

Cryptography

13 dapr



Cassandra

Redis



GCP Firebase



Azure CosmosDB



AWS DynamoDB



State Management



RabbitMQ



Redis



GCP Pub/Sub



Azure Service Bus



AWS SQS



Publish & subscribe



Kubernetes Secrets



HashiCorp Vault



Secret mngr



Azure



KeyVault Secrets mngr







Secret Stores



Postgres



MongoDB Redis





Azure CosmosDB





AWS DynamoDB



Actors



Kafka



Twilio



Storage



Azure Storage



AWS S3



Bindings





External Configuration



Redis



Azure App Configuration



Workflows



Dapr Workflow



Distributed Lock



Redis



Cryptography



Azure KeyVault



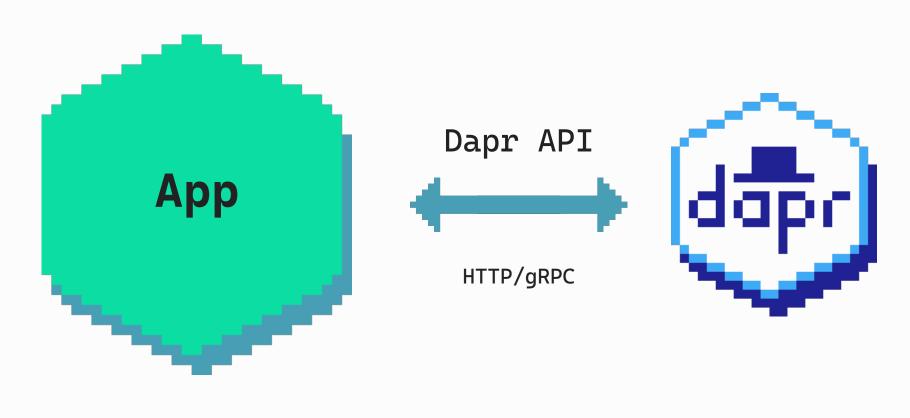
Kubernetes Secrets



JSON web key sets

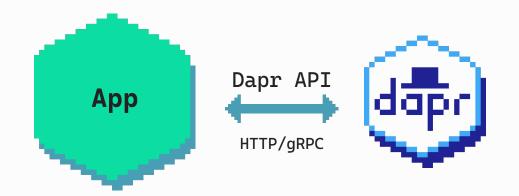






Application Dapr process





POST http://localhost:3500/v1.0/invoke/cart/method/order

GET http://localhost:3500/v1.0/state/inventory/item50

**POST** http://localhost:3500/v1.0/publish/mybroker/order-messages

GET http://localhost:3500/v1.0/secrets/vault/password42

POST http://localhost:3500/v1.0-beta1/workflows/dapr/businessprocess/start



Dapr is a runtime for building distributed applications across cloud and edge.

















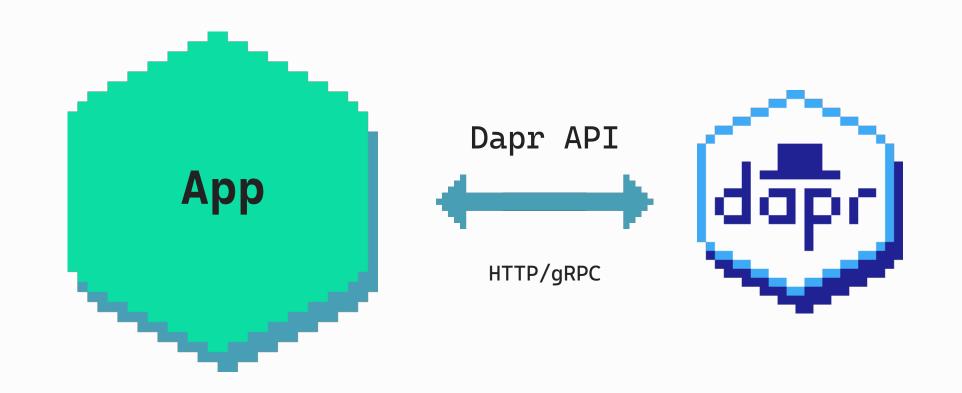


virtual or physical machines



## Dapr deployment modes





Application

Dapr process (where does it run?)



#### Dapr deployment models

Managed Kubernetes Kubernetes Serverless Virtual Serverless + Dapr + Dapr machines Containers Shared sidecar Catalyst Azure Container Apps Provider You You Provider You



Responsible for the Dapr process



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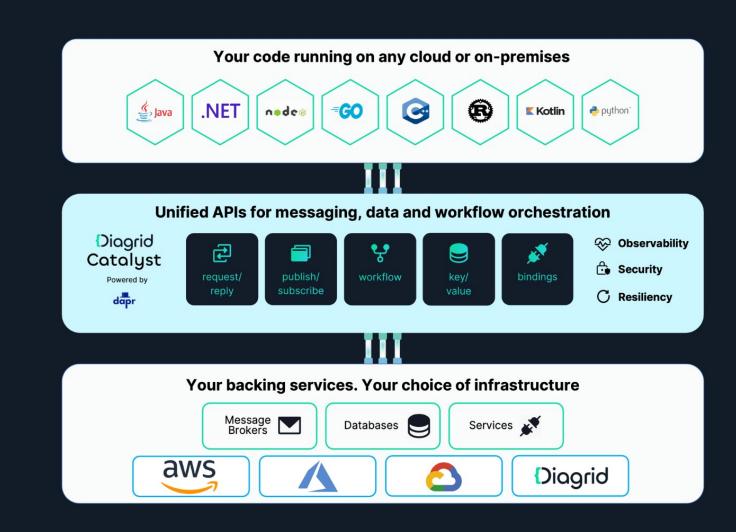
Book A Demo 🗷

### (•) Catalyst

**Unified APIs for Messaging, Data, and Workflow powered by open-source Dapr** 

Make complex architectures simple, reliable and secure with APIs that connect to your existing infrastructure and work with your existing code

Join early access 7

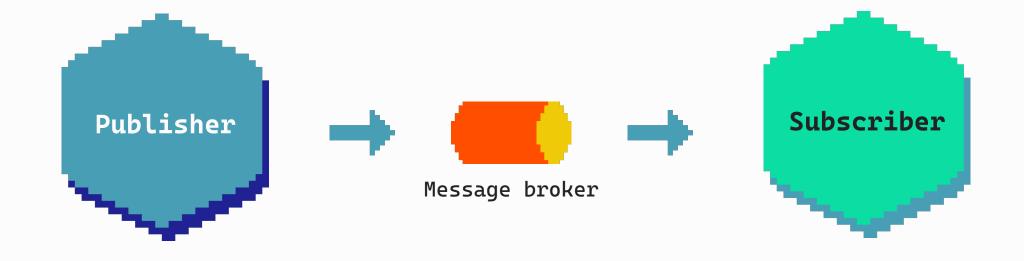


## Pub/Sub Demo



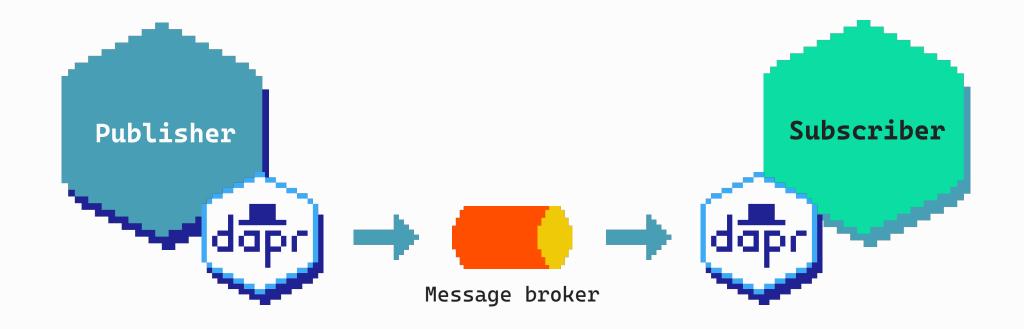


Pub/Sub API





Pub/Sub API







Pub/Sub API



Message broker



publisher

App ID

App ID

## Catalyst Web UI



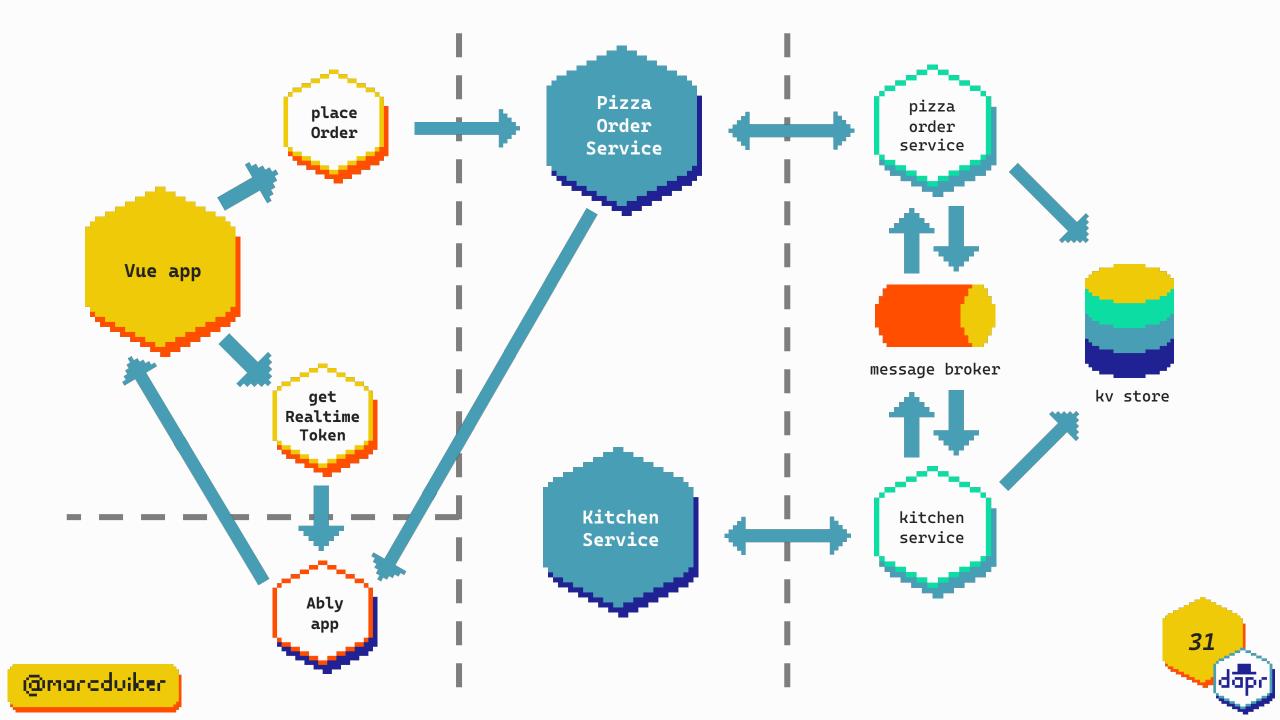
#### github.com/diagridio/ catalyst-samples

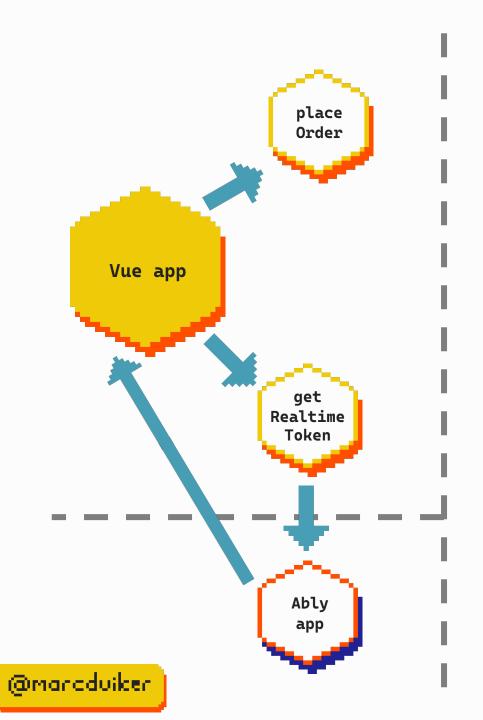


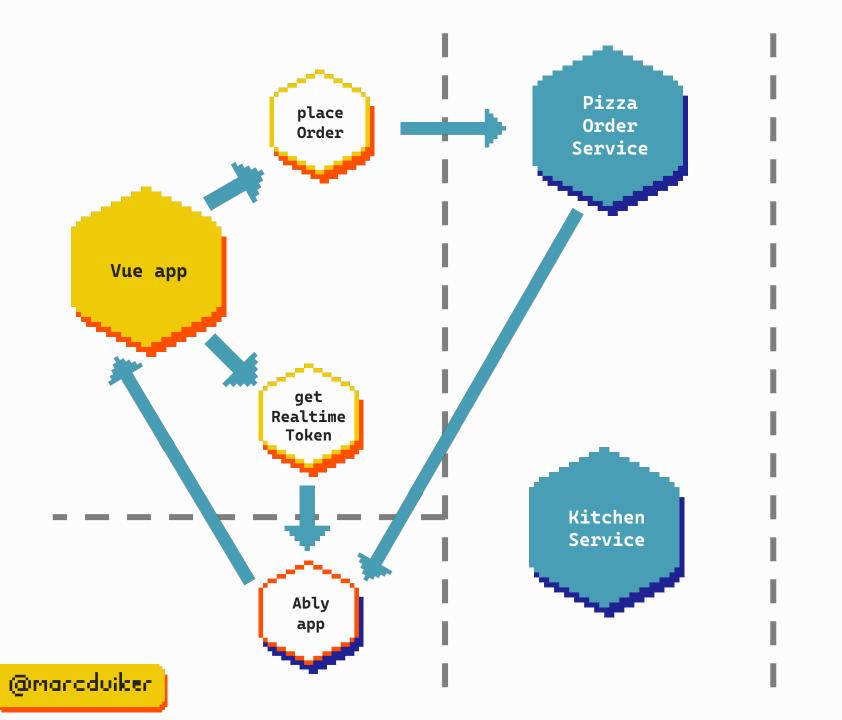
### Pizza Workflow Demo

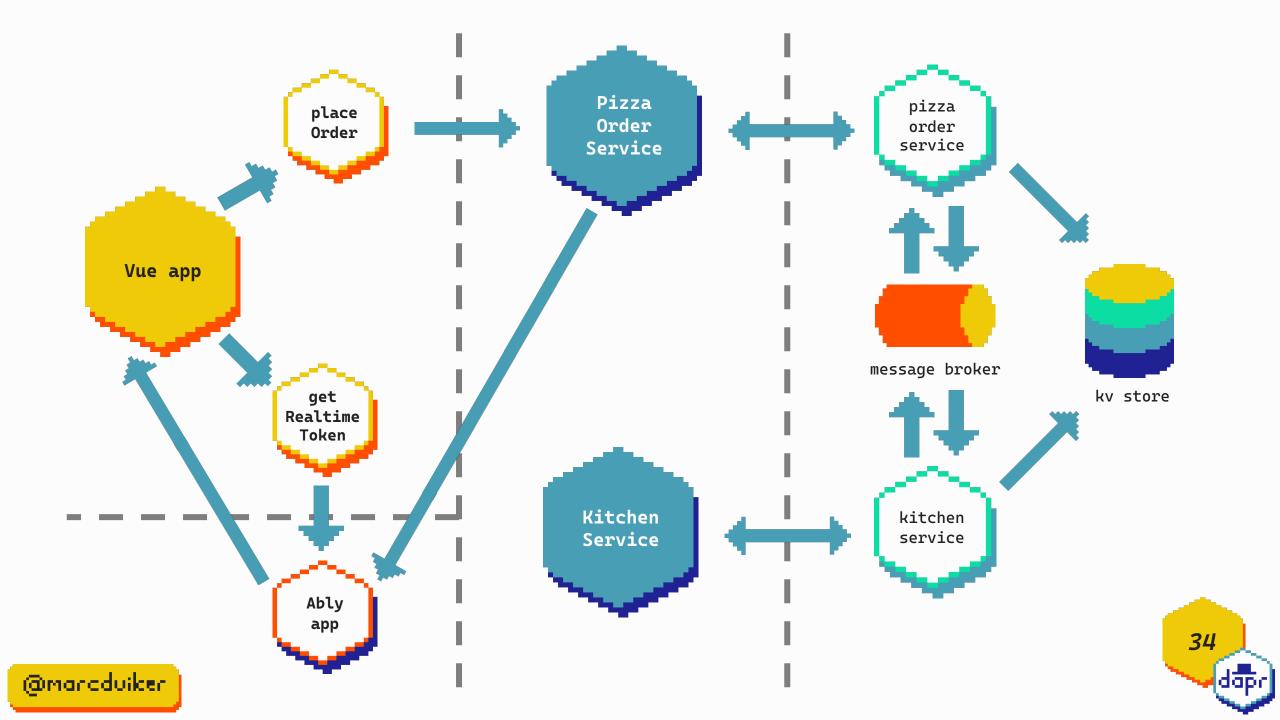


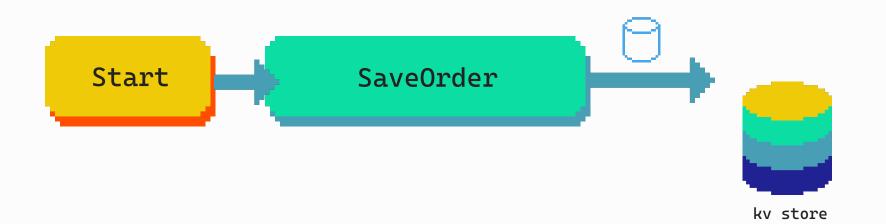


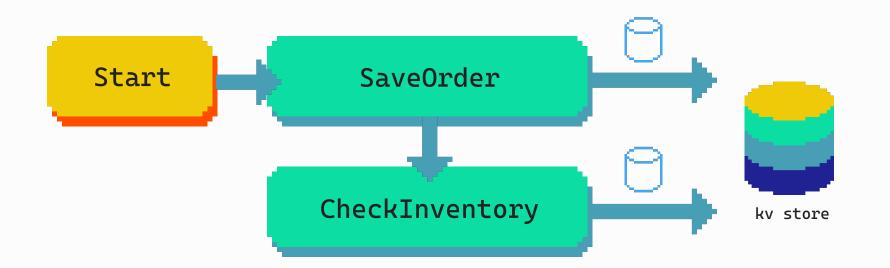


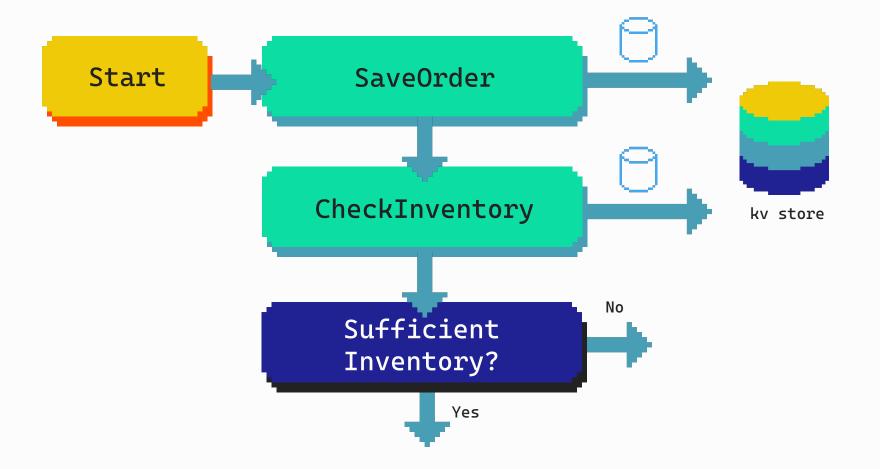


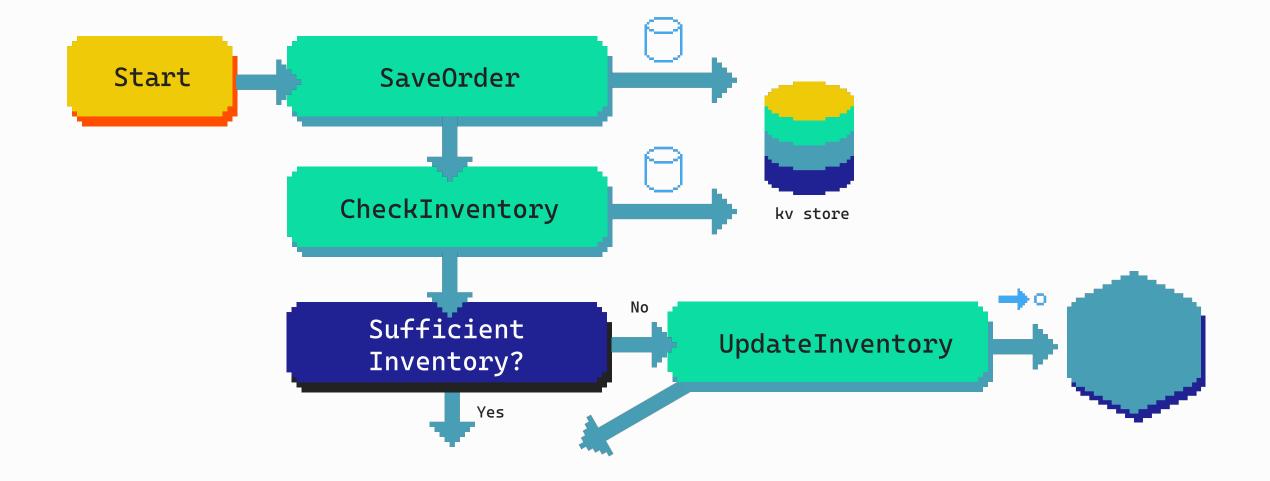


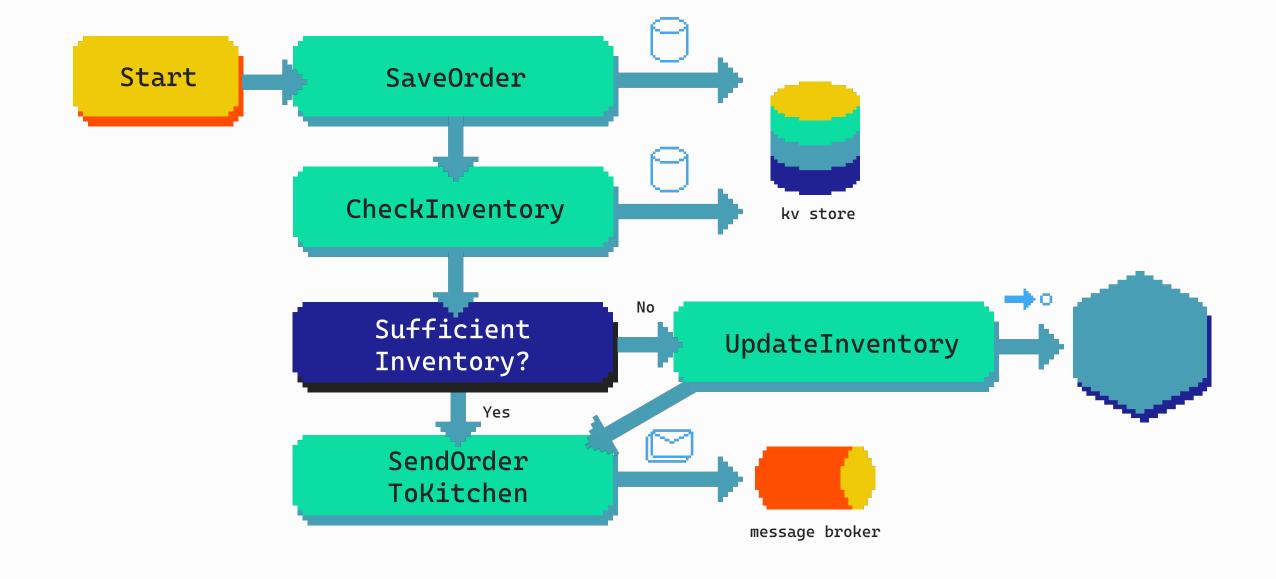


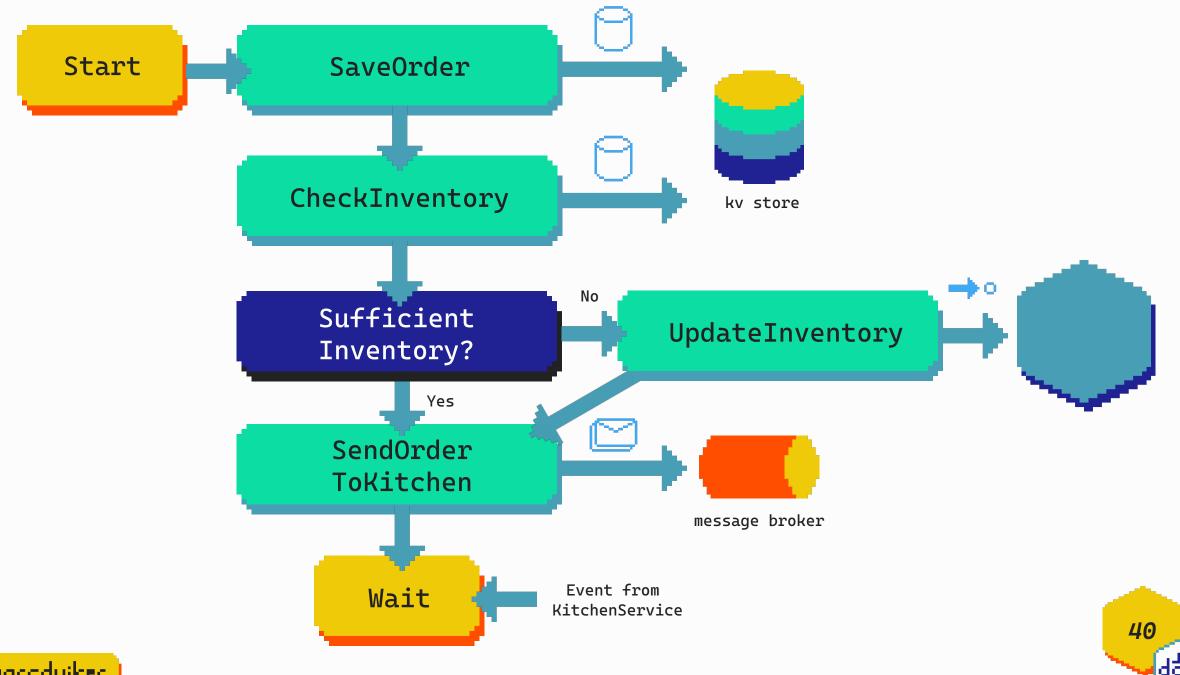




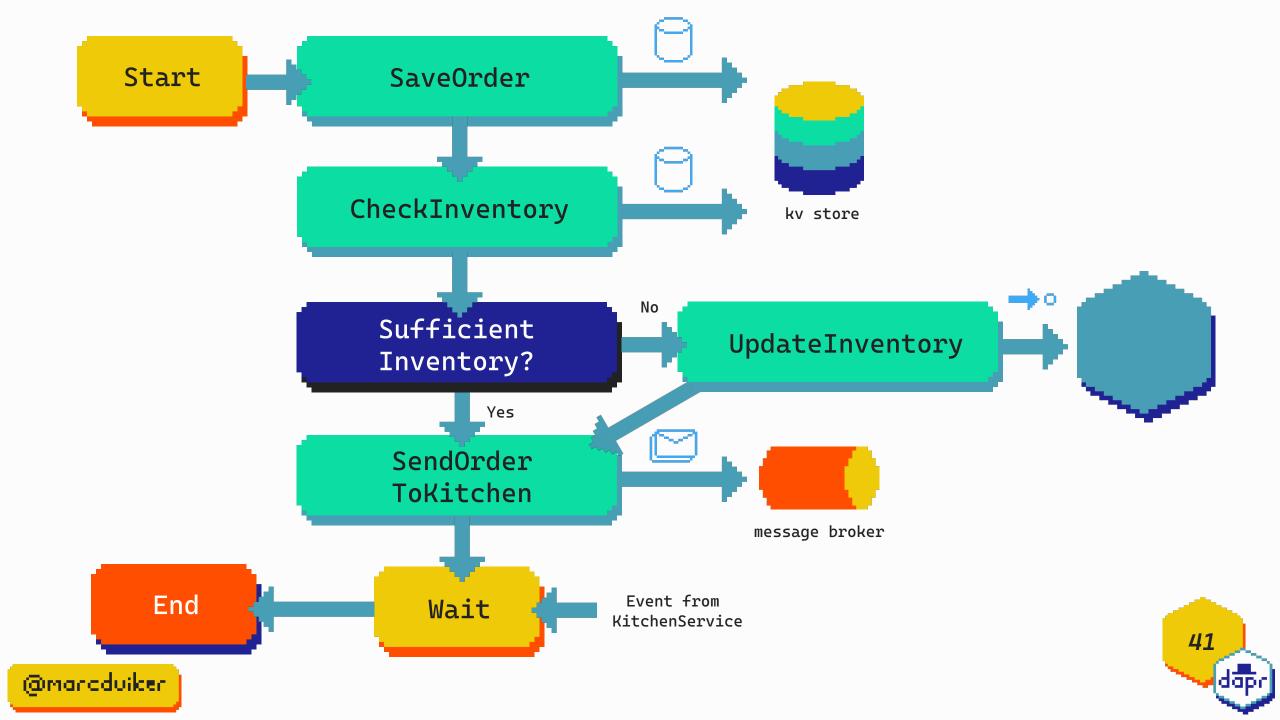










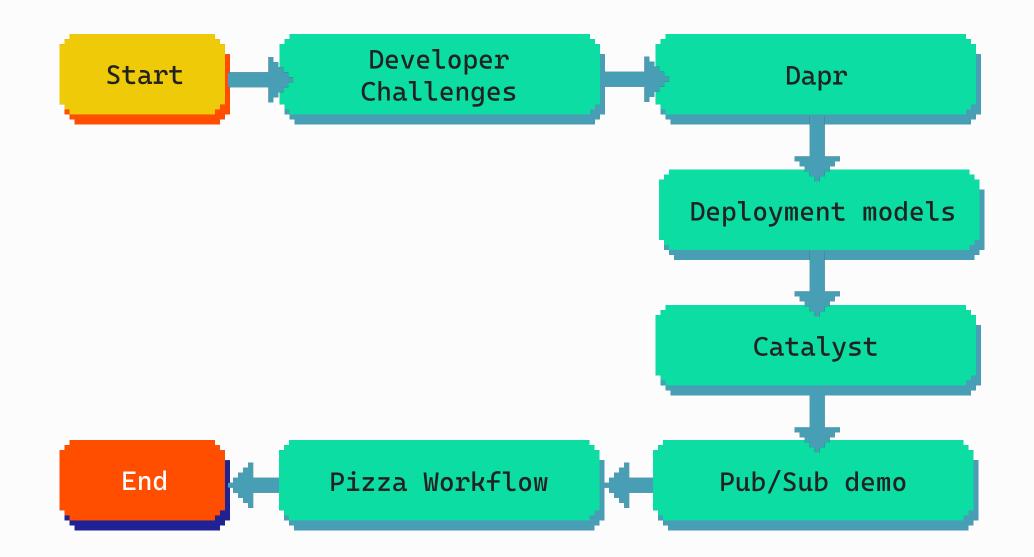


#### github.com/diagridlabs/catalyst-pizza-demo



## Catalyst Web UI







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## Want to try serverless Dapr? Join Diagrid Catalyst Early Access!

