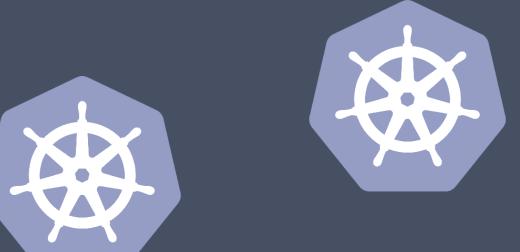
BUILDING AND RUNNING SERVERLESS WORKLOADS HE KNATIVE MAY















Tools



































Framework





















Hosted

SIBM Cloud





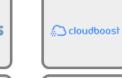




















A ZEIT



Kyma







Installable









Platform





























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s.cnct.io

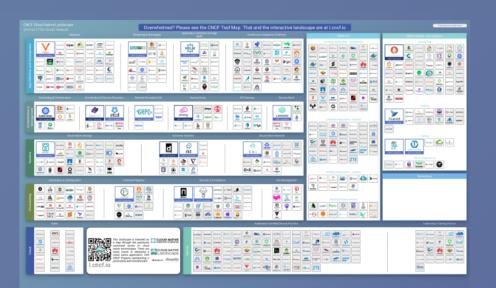
Serverless computing refers to a new model of cloud native computing, enabled by architectures that do not require server management to build and run applications. This landscape illustrates a finer-grained deployment model where applications, bundled as one or more functions, are uploaded to a platform and then executed, scaled, and billed in response to the exact demand needed at the







Cloud Native Landscape



Tools

































SPART∧





Framework

Platform





















Installable



Hosted























































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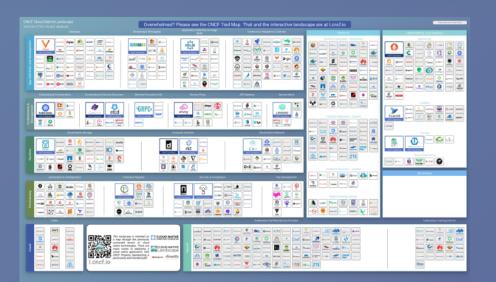
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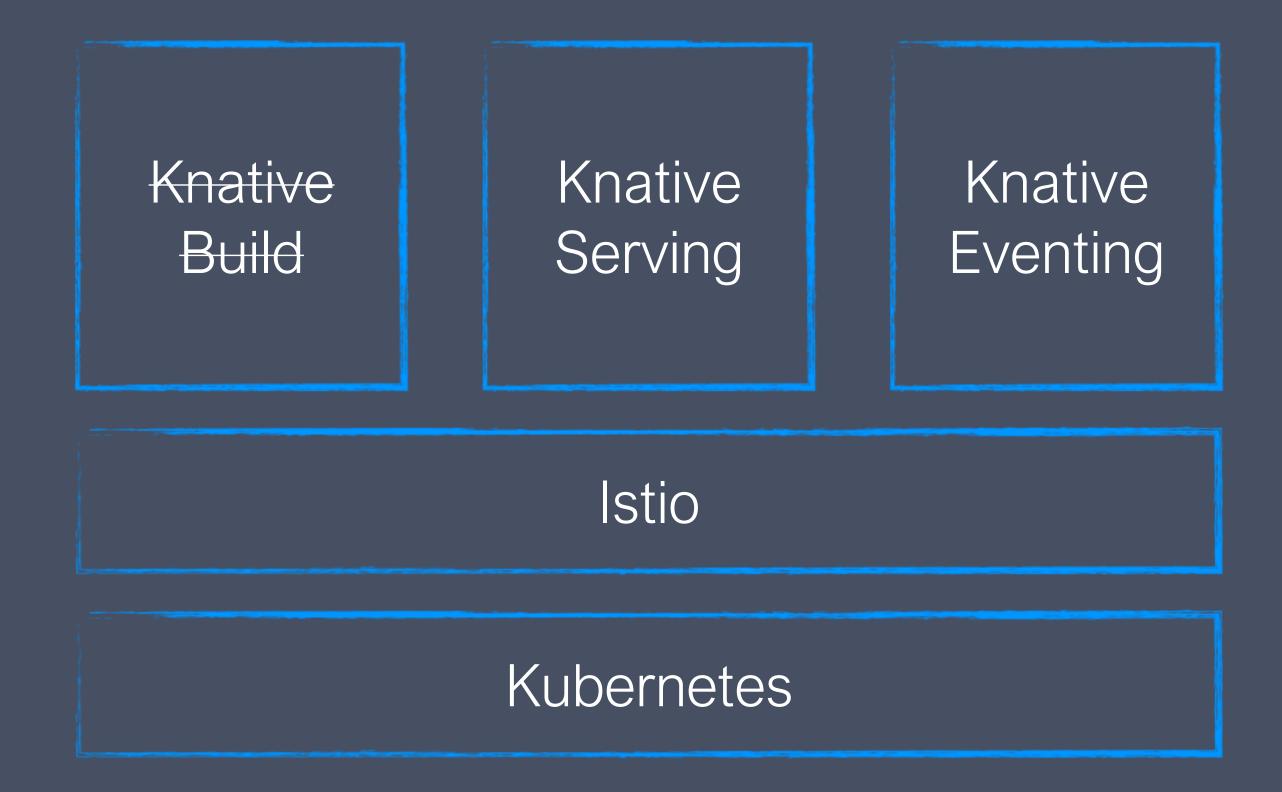




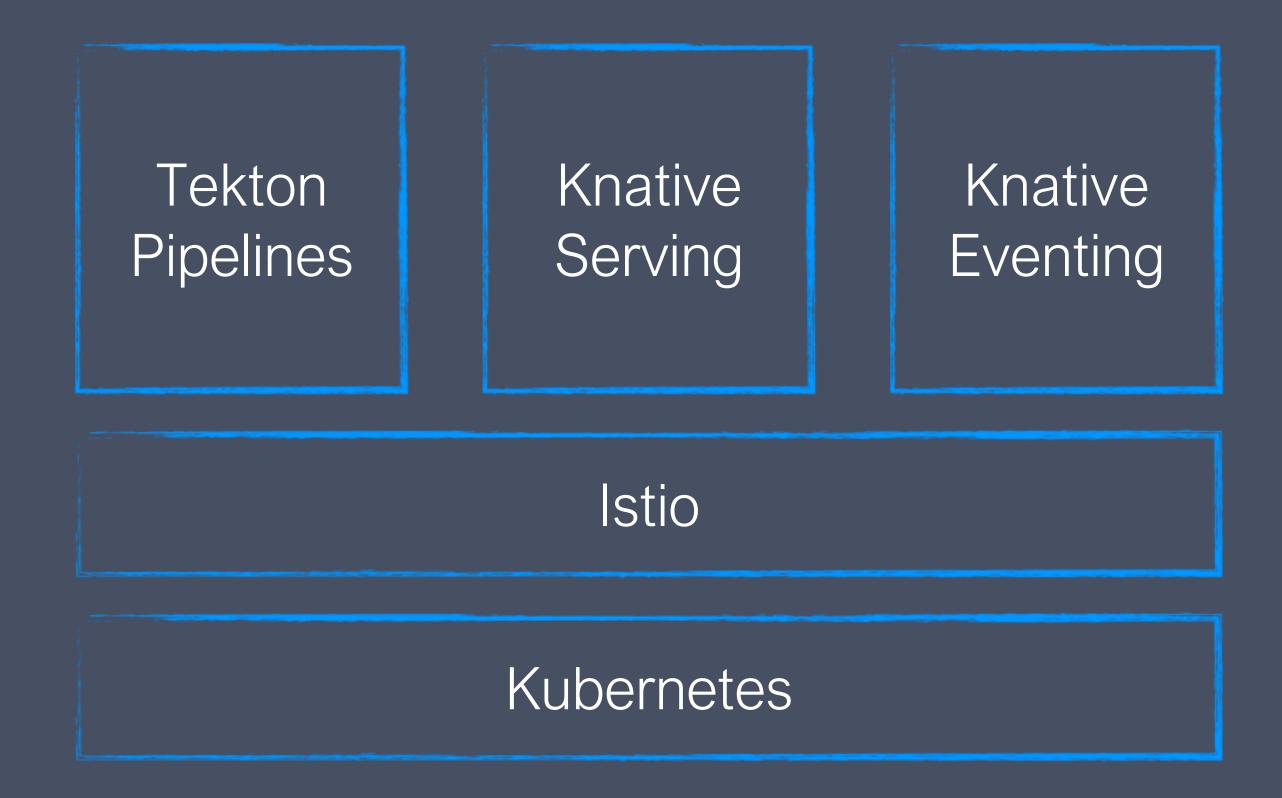
Cloud Native Landscape



Conceptual Building Block of Knative



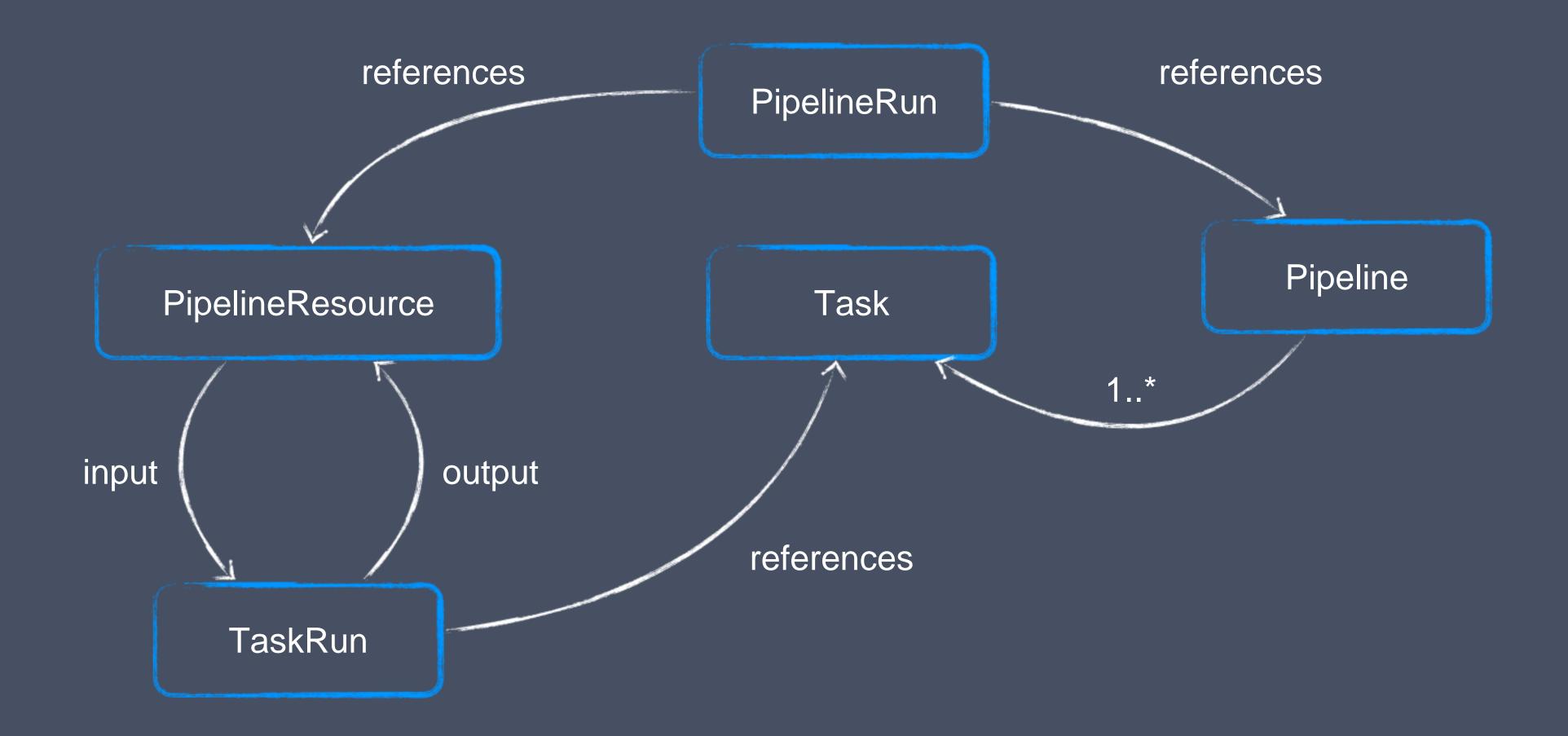
Conceptual Building Block of Knative



Conceptual Building Block of Knative

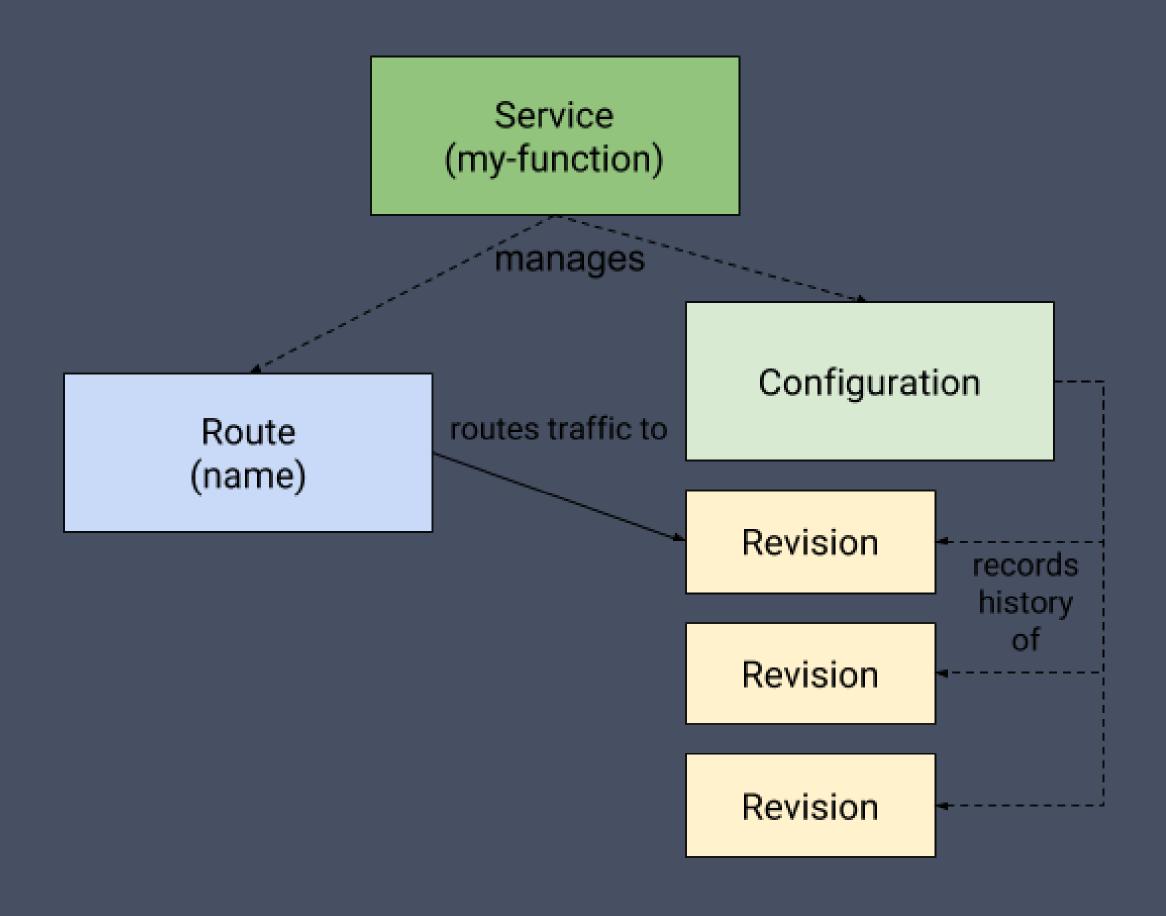
Tekton Knative Knative Pipelines Serving Eventing Ambassador or Gloo API Gateway Kubernetes

Tekton Pipeline Concepts

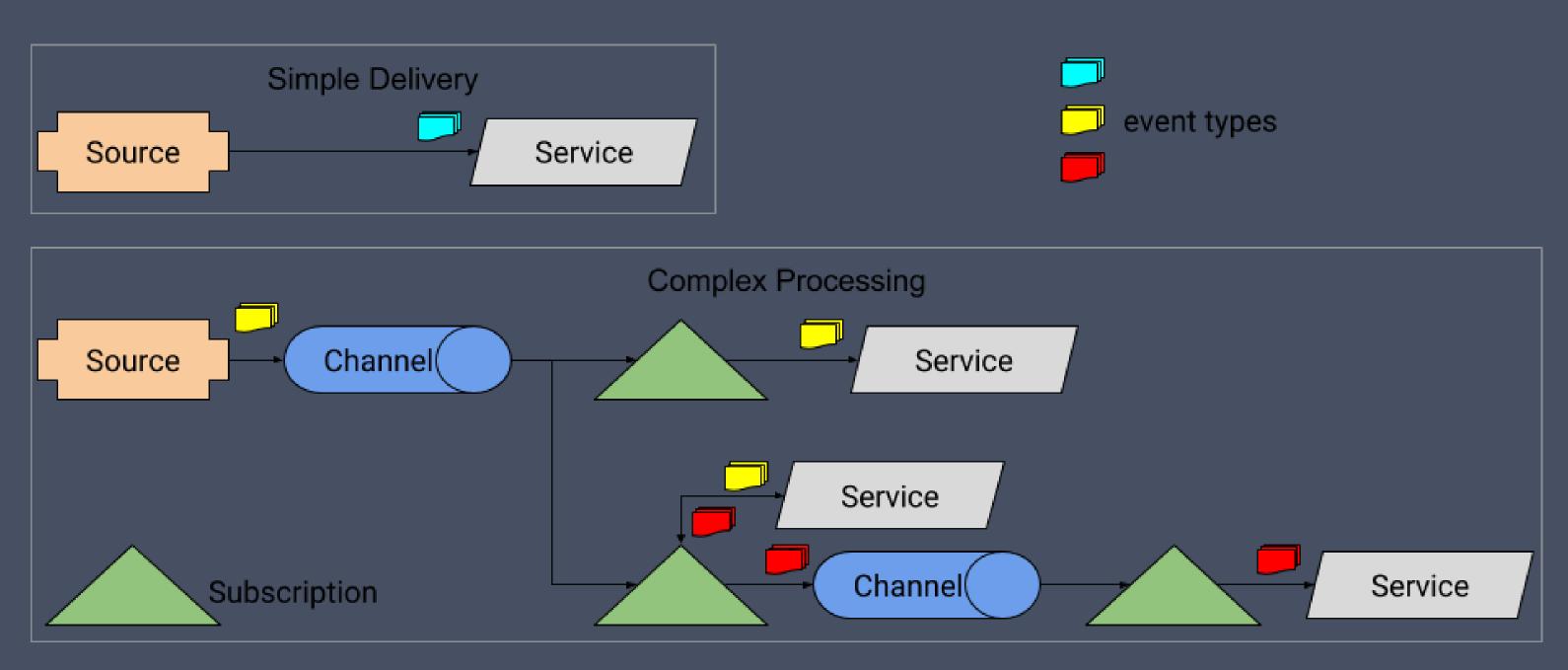


Knative Serving Concepts

- Route is a named endpoint and a mechanism for routing traffic to
- Revisions, which are immutable snapshots of code + config, created by a configuration
- Configuration acts as a stream of environments for Revisions
- Service acts as top-level container for managing a Route and Configuration which implement a network service



Knative Eventing Concepts



- Direct Delivery from source to Service
- Fan-out delivery from a source or Service response to multiple endpoints using Channels and Subscriptions.

- Event Delivery as CloudEvent over HTTP Post
- Sources: k8s, Github, Cron, Kafka, Camel, SQS, PubSub
- Channels: InMemory, NATS, Kafka, PubSub



Fork me

https://github.com/lreimer/hands-on-knative



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