



London

NEXT

Oct. 10-11, 2018

Google Cloud

Google Cloud Next 18

Takeaways

October 2018

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Facts

- 10./11. October 2018
- London | ExCeL
- ~8000 attendees



Istio

- Service mesh
- 1.0 released 31.07.2018
- Will become available as managed service on Google Kubernetes Engine (GKE)
- <https://cloud.google.com/istio/>



Knative

- Kubernetes based serverless platform
- GKE addon as preview available
- Already used by some guys ;-)

“Knative helps our developers focus on building the business logic rather than worrying about building low-level platform capabilities such as build, deploy, autoscaling, monitoring, and observability. For example, our T-Mobile store locator app developed in Java/Vert.x was easy to migrate to GCP using Knative. We did that in just a sprint as Knative provided lot of platform-level capabilities that our developers did not have to build.”

Ram Gopinathan, Principal Technology Architect, T-Mobile

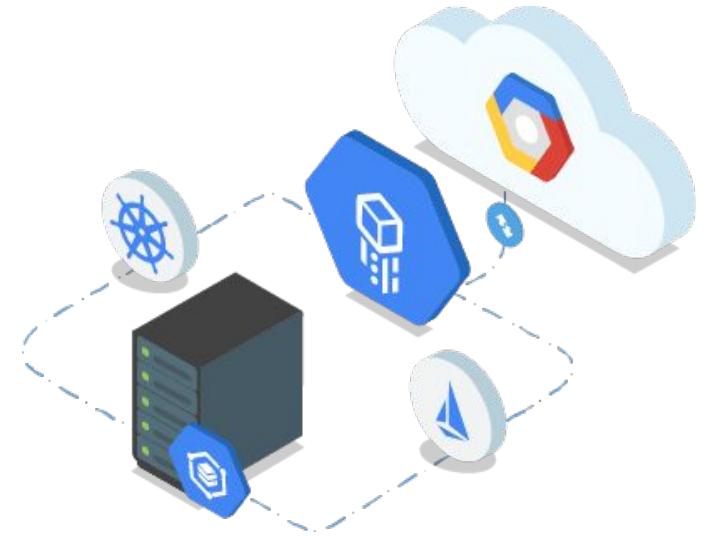
T-Mobile



- <https://cloud.google.com/knative/>

Cloud Services Platform

- Fully managed platform
- GKE + Istio + Knative
- Available in alpha this autumn
- <http://bit.ly/2CABKiO>



Stackdriver IRM

- Stackdriver Incident Response and Management
- Covers incident lifecycle from error log occurrence till fix
- Alpha preview available
- <http://bit.ly/2OKOrz9>



Further announcements

- Cloud NAT available as Beta
- New storage options
 - dual-region and multi-region for cold- and nearline
 - <http://bit.ly/2P7Mn3v>
- Cloud Functions general available
- Stackdriver Grafana Plugin
 - <http://bit.ly/2yZomkY>



Further announcements

- Container-native load balancing on GKE
 - <http://bit.ly/2AqIBet>
- Cloud Spanner and Cloud Bigtable updates
 - INSERT, UPDATE, and DELETE SQL statements
 - Key Visualizer - heatmap for key access
 - <http://bit.ly/2CT40yi>
- Kubernetes RBAC group support in upcoming version
 - Currently in private Alpha



My Takeaways

- Istio looks promising
- There is no way around Stackdriver
- Spinnaker & Helm are friends after all
- Huge potential in Cloud IoT Core
- RBAC group support
- Google pushing its GCP Marketplace hard
 - <https://cloud.google.com/marketplace/>



Resources

- Session list w/ recording
 - <https://cloud.withgoogle.com/next18/london/sessions>
- Continuous Delivery Best Practices with Jenkins and GKE
 - <https://youtu.be/IDoRWieTcMc>
- Introduction to Service Management with Istio Service Mesh
 - <https://youtu.be/wCJrdKdD6UM>





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