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Re-thinking Networking for Microservices

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Google And Cisco Join Forces To Bring Kubernetes Container Tech To The 'Hybrid Cloud'

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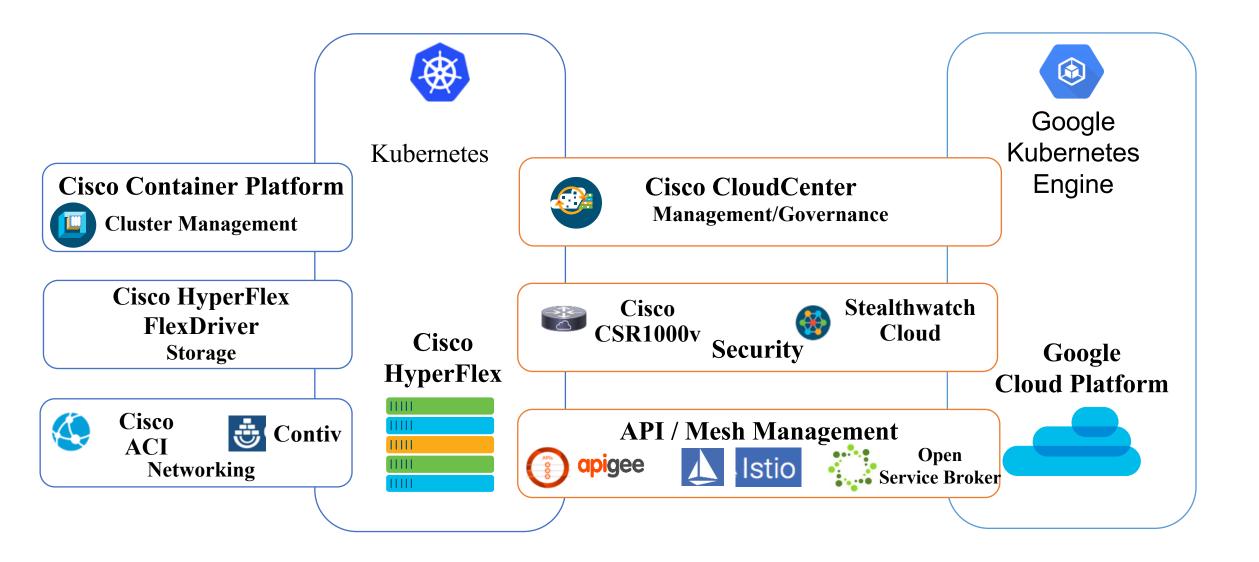
Alex Konrad, FORBES STAFF Covering venture capital, software and startups FULL BIO \checkmark



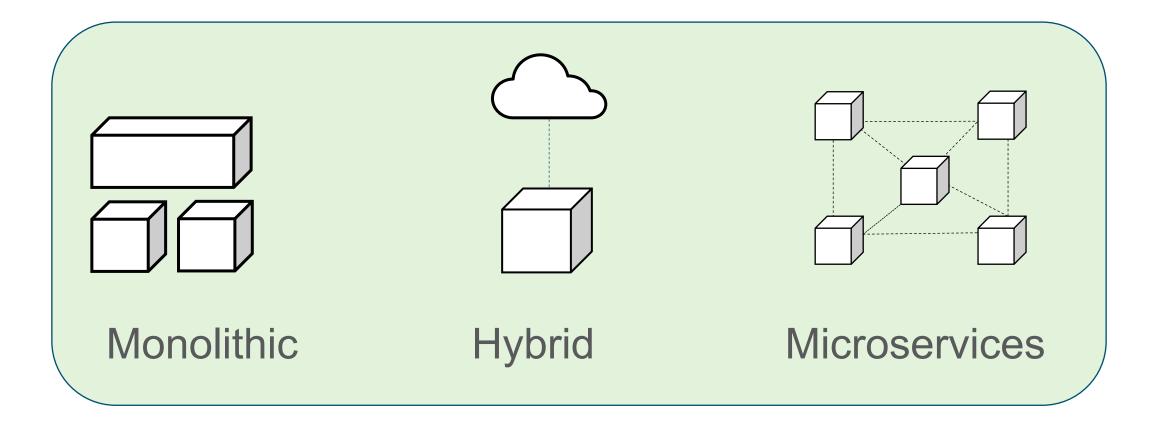
In Partnership for **Open Hybrid Cloud** Announced October 2017

Google and Cisco are joining forces in the latest partnership between tech giants in the fast-growing cloud computing market.

Integrated solution: enterprise <-> cloud



Cloud native computing drives a fundamental shift in how apps are built

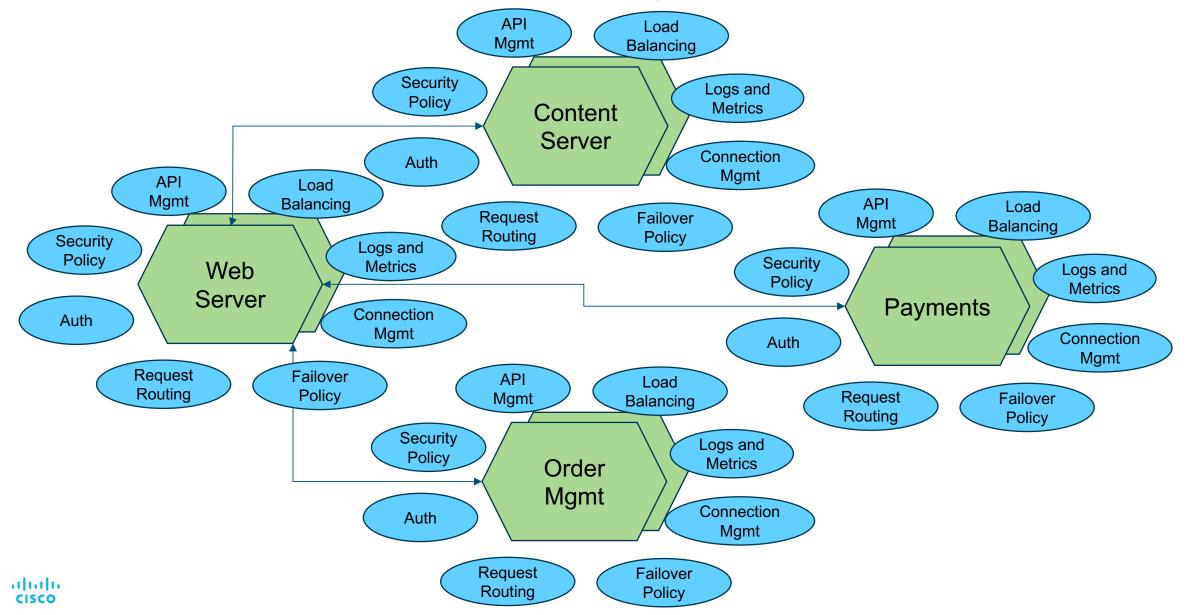


Do we have the right model for networking?

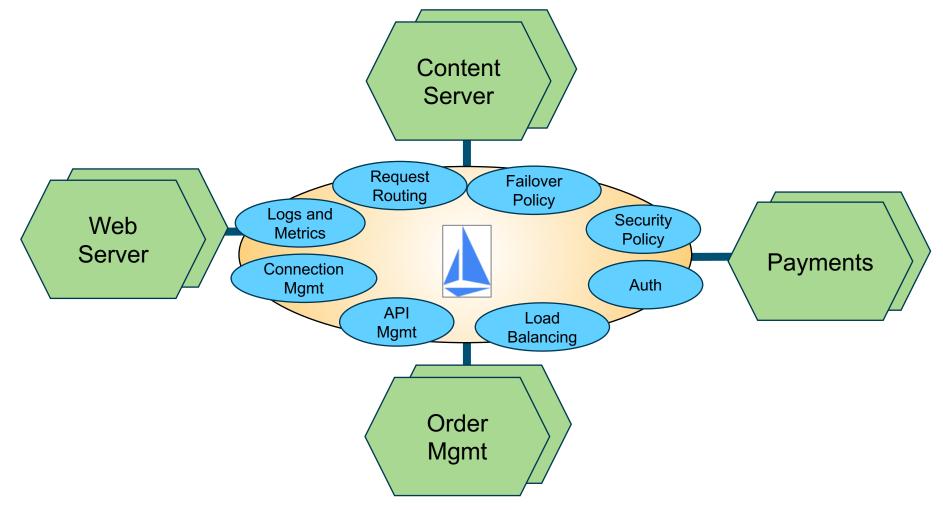
Is there a new layer in the stack to make networking easier for microservices?

Maybe it's not about stacks, it's about asking what networking can do for apps

Services should be simple but get complicated fast



Hand-off routing, authentication, and other parts to a policy-driven, secure service mesh service



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Using a service mesh is radically different

- Abstracts away details of service-to-service communications
- Consistent policy, load balancing, encryption, authentication, traffic steering across services
- Easy way to connect, manage and secure microservices *without changes in the service code*
- Easier IT-Ops with better observability, monitoring of traffic between microservices



Several options for developers

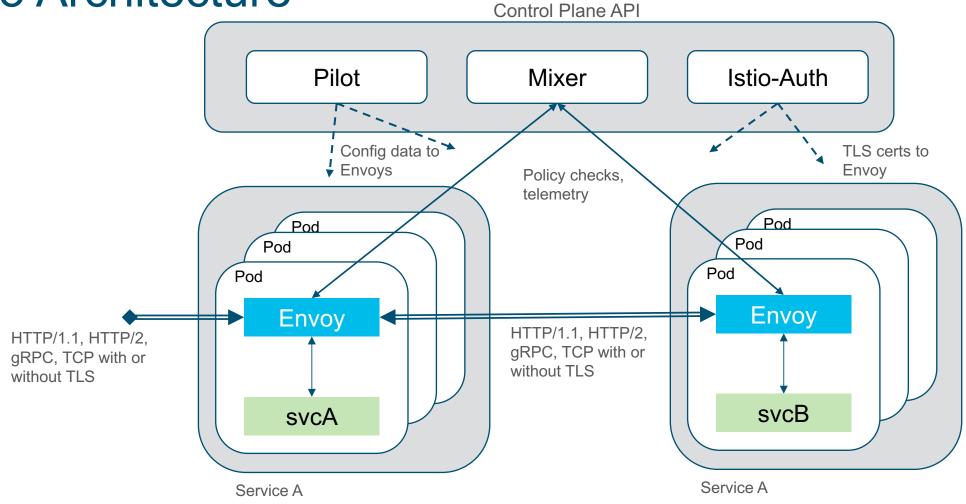




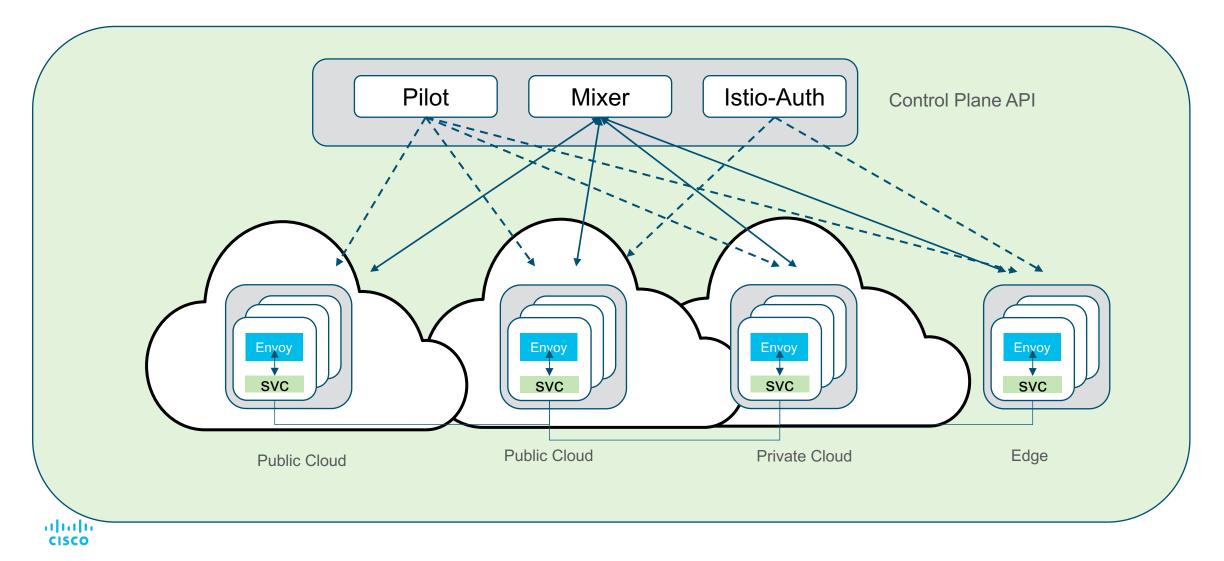




Istio Architecture



Stretching Istio Across Public, Private Clouds and Edge

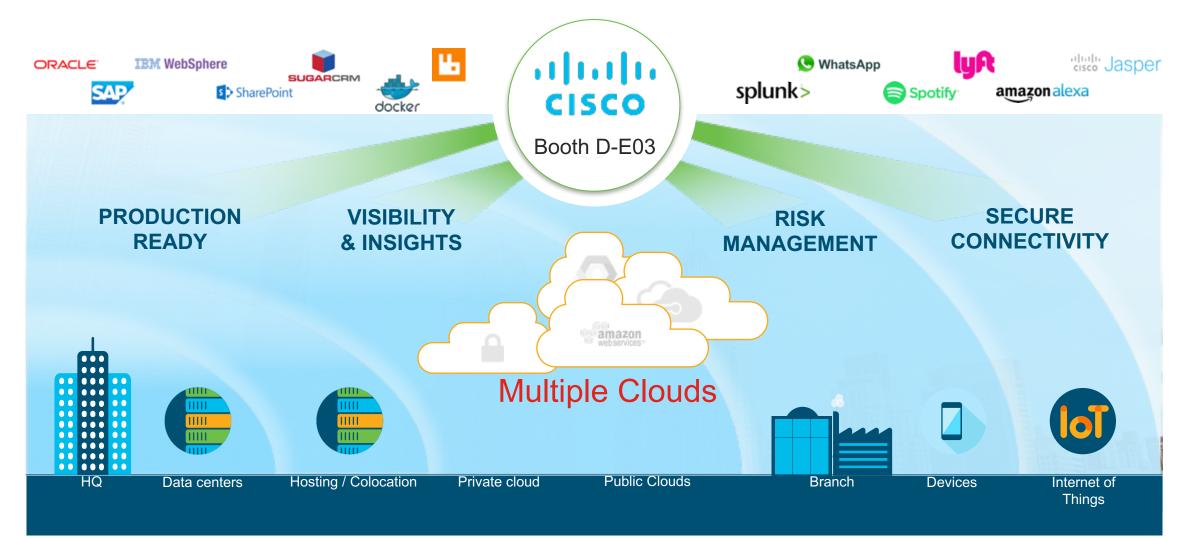


Changing the way we think about application/service development

Goal: Bring application development closer to *assembly* of ready-made, highlyscalable, proven services running anywhere from the edge to the cloud.



Come see a multicloud world made possible



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Thank you!

