Scaling teams through technology

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Happy and productive developers
Principles

- Extensible
- Consistent
- Integrated
- Open Source
Extensible
My first community meeting
Organic growth or #SustainableSuccess
Kubernetes - Extensibility in every layer

- Ecosystem
- Interface layer: client libraries and tools
- Governance layer: automation and policy enforcement
- Application layer: deployment and routing
- Nucleus: API and execution

- Container runtime
- Network plugin
- Volume plugin
- Image registry
- Cloud provider
- Identity provider
Consistent
Kubernetes’ API extensions

Core

Flexible

Kube aggregator

API server builder

Custom resource definition (CRD)

Easier
Accelerate innovation
Accelerate innovation

**Developer**

*Knative*

Build, deploy, scale using serverless primitives. Best Developer Experience Code to Prod

**Service Operator / SRE**

*Istio*

Connect, secure, manage, monitor services

**Infrastructure Operator**

*Kubernetes*

Portable container orchestration
3 Integrated
Istio

Open platform to connect, secure and manage services

Works consistently across environments
Decoupling operations from development

Two big benefits:

- More intelligence in the hands of operators
- Relieves developers from writing common capabilities that every app requires
Open Source
OSS engagement yields network effects

- **Usage**
  - SO posts, blogs, meetups...
  - Tools, libraries, extensions...

- **Users**
- **Developers**
- **Vendors**
- **Solutions**
- **Use Cases**
- **Awareness**
- **Gaps**
1.6M+ Contributions to Kubernetes

16K+ Job openings

32,000+ Contributors

50k+ GitHub Stars

*Source: Glassdoor
Principles

1. Extensible
2. Consistent
3. Integrated
4. Open Source
The team

1. Velocity
2. Teamwork
3. Inclusivity
4. Diversity
The future is bright
That’s a wrap.