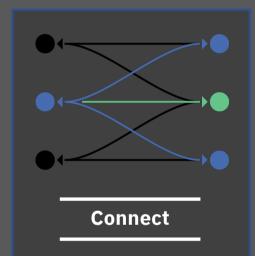


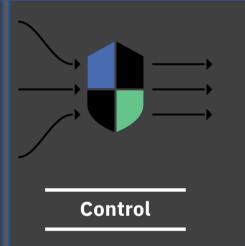
Connect, secure, control, and observe services.



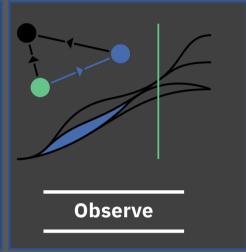
Intelligently control the flow of traffic and API calls between services, conduct a range of tests, and upgrade gradually with red/black deployments.



Automatically secure your services through managed authentication, authorization, and encryption of communication between services.



Apply policies and ensure they're enforced, and that resources are fairly distributed among consumers.



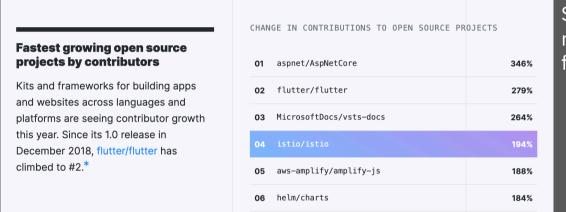
See what's happening with rich automatic tracing, monitoring, and logging of all of your services.



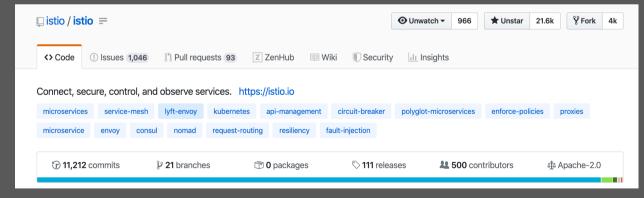
Connect, secure, control, and observe services.

Skills you may just learn:

- Service Mesh
- How to be Teflon
- Large scale project etiquette
- The pull request process
- YAML
- MarkDown
- Continuous integration
- Golang
- Git at the geek level



State of the Octoverse report lists Istio as 4th fastest growing project.



The Istio project has real customers, a large diverse set of contributors, and is growingly wildly as evidenced by over **4300 forks**.

About your Speaker



Steve Dake Open Source Leader: Cloud Native sdake@ibm.com Slack: sdake Twitter: steven dake

Roles in Istio Project

- Istio Environments Workgroup Lead
- Environments Maintainer
- Document Team Maintainer
- Test and Release Maintainer



Connect, secure, control, and observe services.

Istio 1.5 features

- Introduction of Istiod
- Extensibilityv2 aka WASM integration
- Enhanced Security
- Improved observability
- Performance improvements
- Vastly improved user experience via istioctl

Istio 1.6 features

- · Improved lifecycle management
- More simplification
- Networking and security improvements
- Major improvements to the documentation
- Virtual machine workload integration
- A world-class development environment

March 2020

May 2020



Connect, secure, control, and observe services.

Demos:

- Secure by default
- Top performance
- Built in observability
- Canary upgrades
- And maybe virtual machine integration.