NAVIGATING IN STORMY WATERS
AN APPROACH TO TRAFFIC MANAGEMENT WITH ISTJO
Exercise 1: While discussing the solution think about if and how could you use a service mesh in your projects.

Exercise 2: Find someone close to you for later :)
NAVIGATING IN STORMY WATERS
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THE LEGEND

THE TOOL

THE ARCHITECTURE

BEYOND
I was there Gandalf, I was there 3000 years ago...
Istio
Connect, secure, control, and observe services.

Connect
Secure
Control
Observe
Navigating in stormy waters
An approach to traffic management with ISTJO

THE LEGEND

THE TOOL

THE ARCHITECTURE

BEYOND
Ingress gateway
(Kubernetes ingress controller)

Service A

Service B

proxy

proxy

proxy

External services

Egress gateway
(optional)
TRAFFIC ROUTING

- AB Testing
- Progressive deployments
- Circuit breaking
- Mirroring
- Fault Injection
LOGS MANAGEMENT

- Collecting logs
- Mesh visualization
- Tracing
- Metrics
SECURITY

- Authentication
- Role-based access control
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BEYOND
Rate today’s session

Cyberconflict: A new era of war, sabotage, and fear

We’re living in a new era of constant sabotage, misinformation, and fear, in which everyone is a target, and you’re often the collateral damage in a growing conflict among states. From crippling infrastructure to sowing discord and doubt, cyber is now the weapon of choice for democracies, dictators, and terrorists.

David Sanger explains how the rise of cyberweapons has transformed geopolitics like nothing since the invention of the atomic bomb. Moving from the White House Situation Room to the dens of Chinese, Russian, North Korean, and Iranian hackers to the boardrooms of Silicon Valley, David reveals a world coming face-to-face with the perils of technological revolution—a conflict that the United States helped start when it began using cyberweapons against Iranian nuclear plants and North Korean missile launches. But now we find ourselves in a conflict we’re uncertain how to control, as our adversaries exploit vulnerabilities in our interconnected nation and we struggle to figure out how to deter these complex, short-of-war attacks.

David Sanger
The New York Times

David E. Sanger is the national security correspondent for the New York Times as well as a national security and political contributor for CNN and a frequent guest on CBS This Morning, Face the Nation, and many PBS shows.

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