

Observability Overview

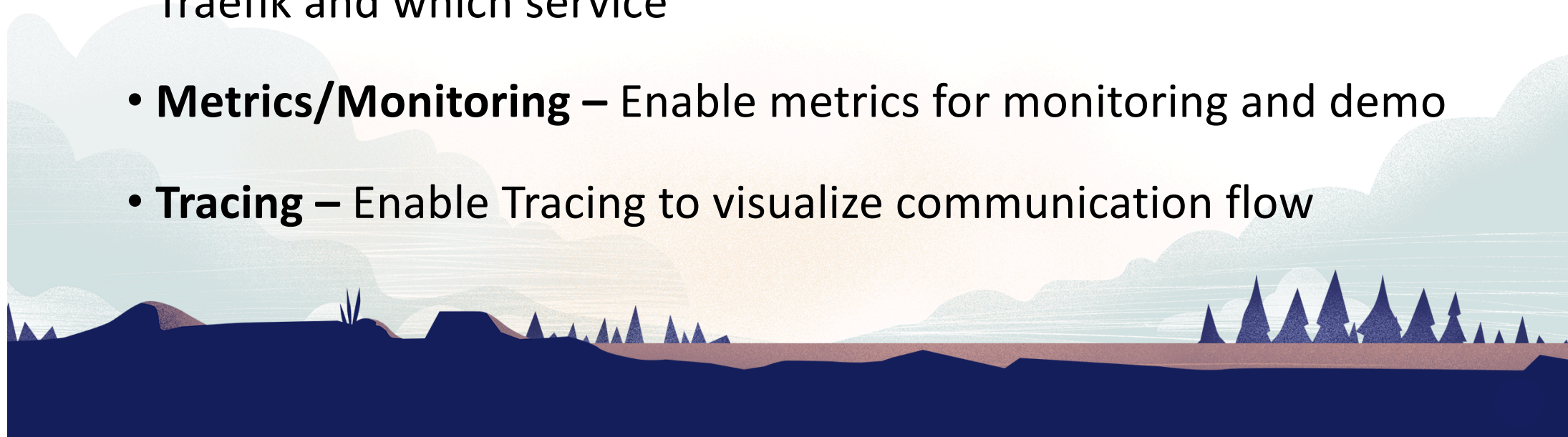


træfik



Observability Overview

- **Traefik Logs** – Configure log level and storage path
- **Access Logs**– Who is accessing the services connected to Traefik and which service
- **Metrics/Monitoring** – Enable metrics for monitoring and demo
- **Tracing** – Enable Tracing to visualize communication flow



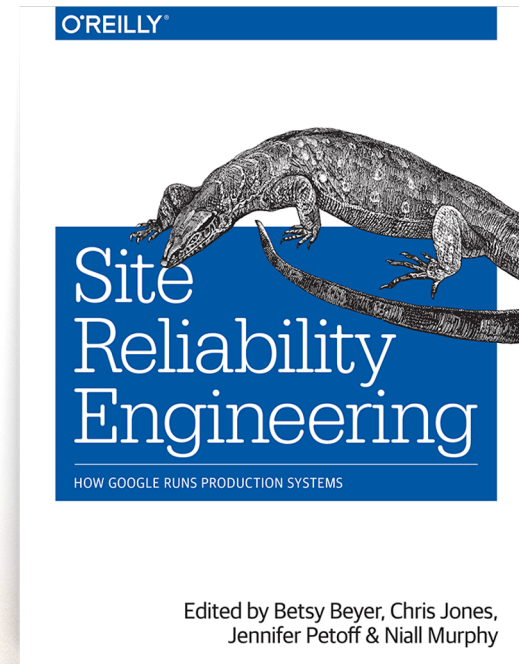


Site Reliability Engineering

SRE is treats Operations as if
it were a Software Problem

“Hope is not a strategy.”

Traditional SRE saying



<https://landing.google.com/sre/book.html>



Valid Monitoring Outputs

- **Alerts** – Tell a Human to take action on something happening or about to happen
- **Tickets**– Tell a Human that action is required but not right away
- **Logging**– Stored for Diagnostics or Forensics



Operational Models

Manual	<ul style="list-style-type: none">• User initiated• Interactive, command-line tools, simple scripts• Checklist and process driven
Reactive	<ul style="list-style-type: none">• Hardware-centric data collection• Simple metric and log collection• Siloed tools and information• Manual analysis and remediation
Proactive	<ul style="list-style-type: none">• Application-centric data collection• End-to-end observability• Key metrics and thresholds well understood• Semi-automated analysis and remediation



Users Care About 3 Things

- **Availability** – Is MY system online yes/no
- **Latency**– Does it take a long time to access application x, y, z
- **Reliability**– Can the user rely on the application

