



Week 4: Service-to-Service Communication

Unit 2: Analyzing Logs in Kibana

Analyzing Logs in Kibana

Analyze your logs @CF – ELK stack

- Logs are only useful if they can be analyzed
- Collect logs in single location → common format required
- ELK stack: **E**lastic search + **L**ogstash + **K**ibana
a popular combination to store, search, and view log entries
→ provided at SAP Cloud Platform: Cloud Foundry

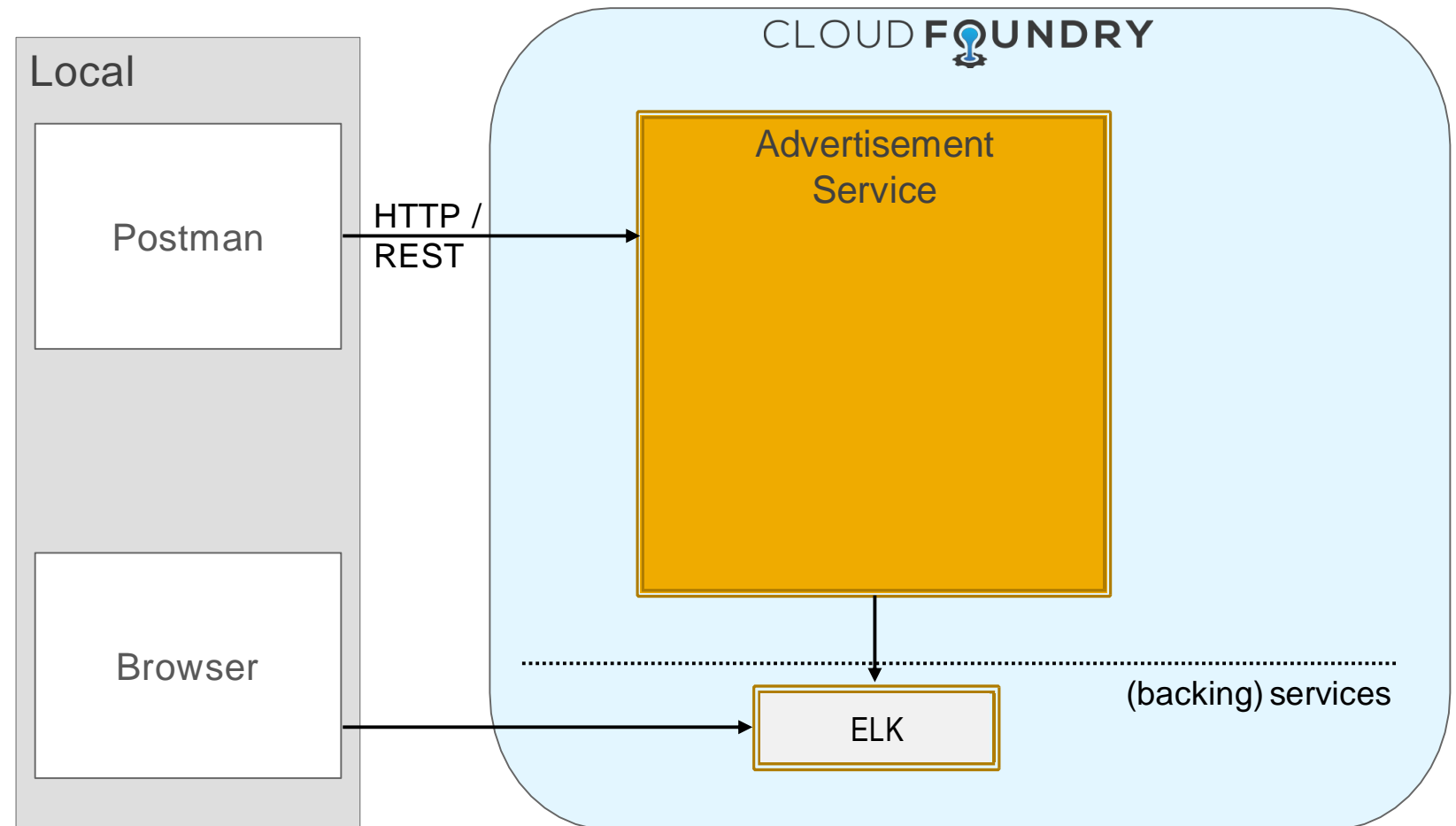


Analyzing Logs in Kibana

Exercise

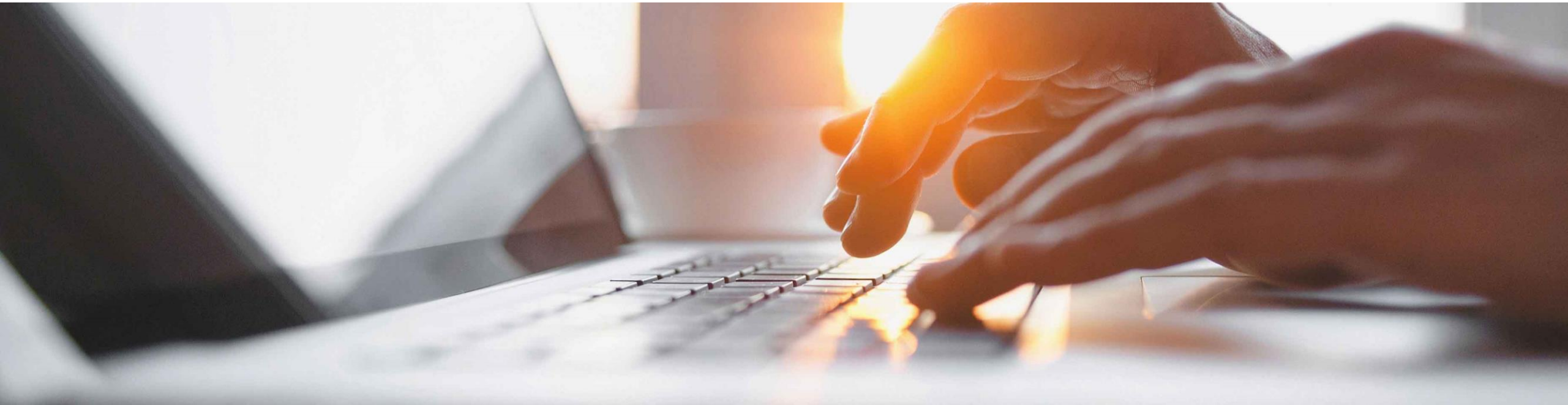


Exercise 14: Getting Started with Elastic Stack



Analyzing Logs in Kibana

Review of sample solution



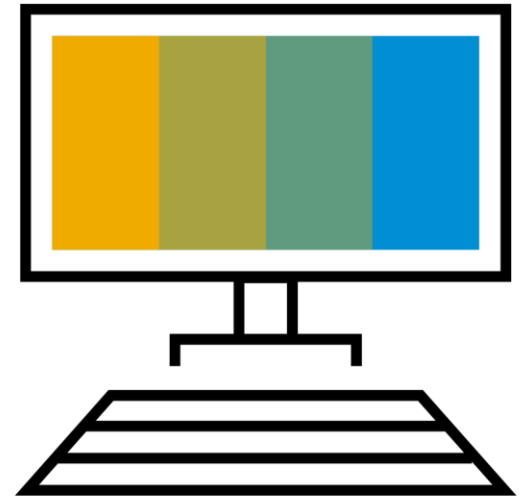
Food for thought

Trace methods with aspect-oriented programming

With Java aspects (e.g. AspectJ) * you can easily introduce trace logs

- for every method execution,
- seeing what arguments it receives,
- what it returns,
- and how much time every execution takes,

without changing code!



* Aspects modularize cross-cutting concerns, applying logic that spans multiple objects

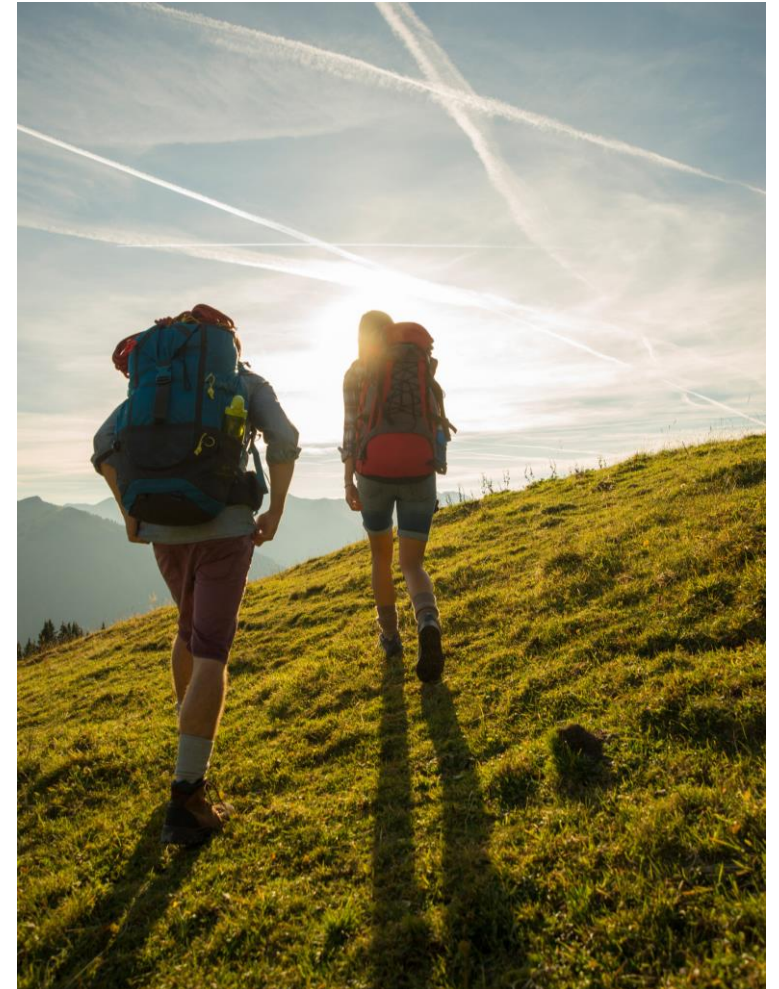
Analyzing Logs in Kibana

Further reading



Additional Material

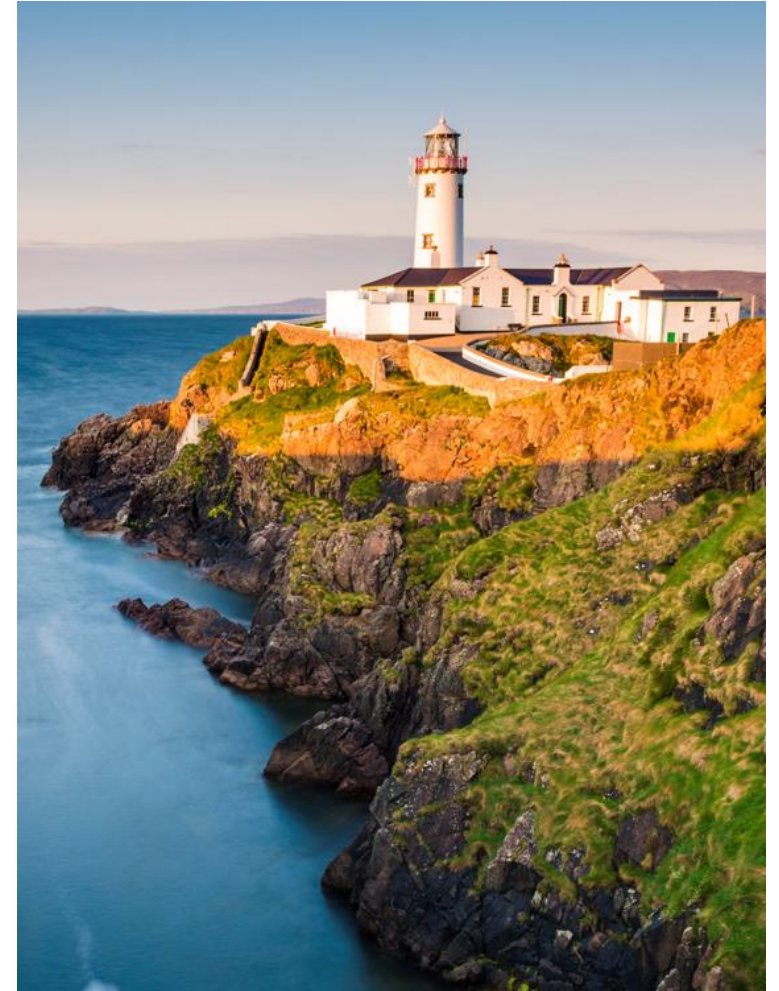
- [SAP Help: Application Logging](#)
- [Kibana](#)
- [CF Docs: Application Logging in Cloud Foundry](#)



Analyzing Logs in Kibana

What you've learned in this unit

- Why it makes sense to do tracing with aspect-oriented programming (AOP)
- The ELK stack: **E**lastic search + **L**ogstash + **K**ibana
 - What it is
 - Why we use it
 - How to use it



Thank you.

Contact information:

open@sap.com

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