DEBUGGING ENVOY TUNNELS: A DEEP DIVE

Adobe

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Watch online at carlossg.github.io/presentations

Alexandra / Site Reliability Engineer

Managing Cloud Infrastructure at Adobe

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Adobe Experience Manager Cloud Service

ADOBE EXPERIENCE MANAGER

A Content and Digital Asset Management system

An existing distributed Java OSGi application

Using OSS components from Apache Software Foundation

A huge market of extension developers

Running on **Azure**

60+ clusters and growing

Multiple regions: US+, Europe+, Australia, Singapore, Japan, India, more coming

SCALE

17k+ environments

200k+ `Deployments`

10k+ namespaces

DEDICATED INFRASTRUCTURE

Customers want to have dedicated infrastructure

- Egress IPs
- Private connections (VNET peering, Private Link, ExpressRoute, Direct Connect,...)
- VPN

ENVOY

An open source edge and service proxy, designed for cloud-native applications
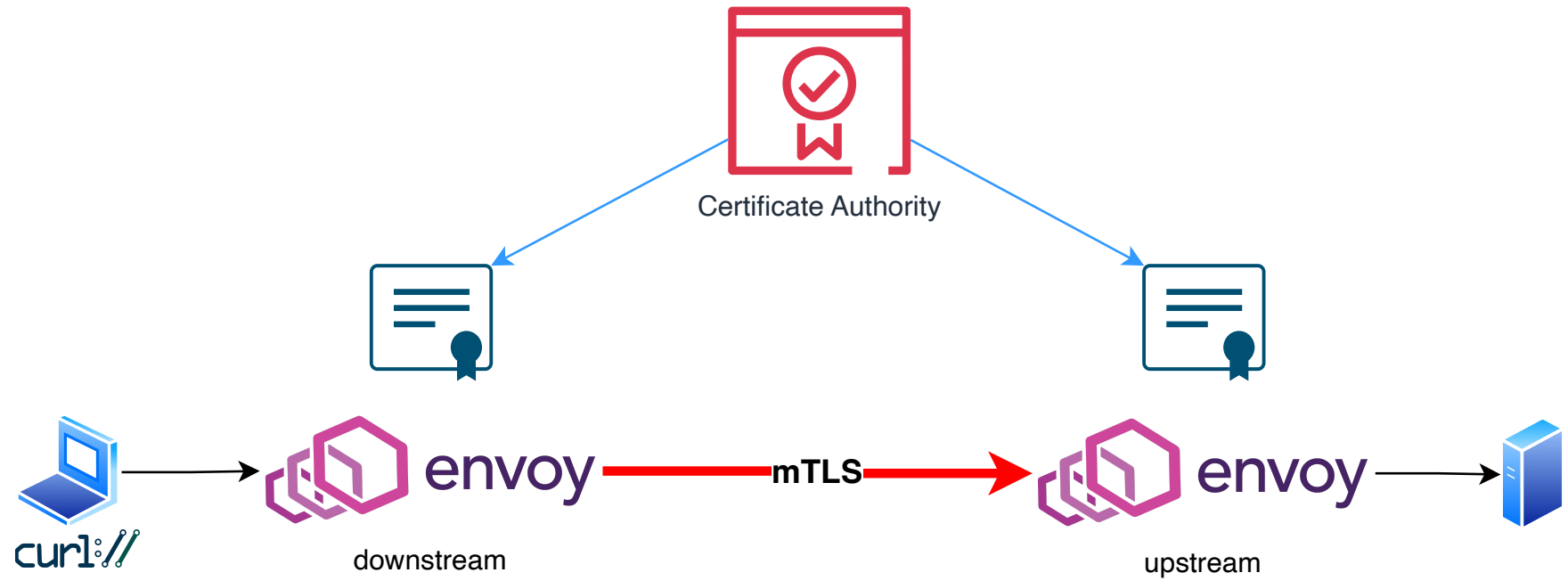
QUIZZ TIME

Filipe Fortes
@fortes

Debugging is like being the detective in a crime movie where you are also the murderer.

Certificate Authority

mTLS

downstream

upstream

ENVOY CONFIG: RESOURCES
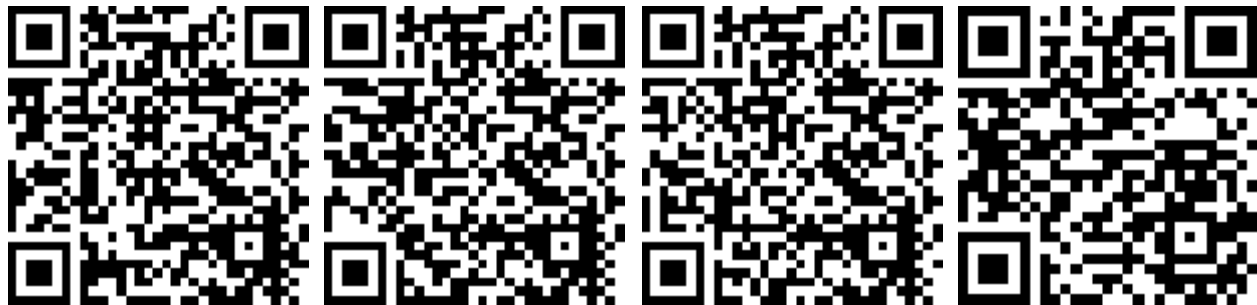
envoyproxy.io

arch_overview/http/upgrades

sandboxes/tls

sandboxes/double-proxy

github.com/carlossg/envoy-debugging-demo

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