Consul Getting Started

WHY CONSUL?

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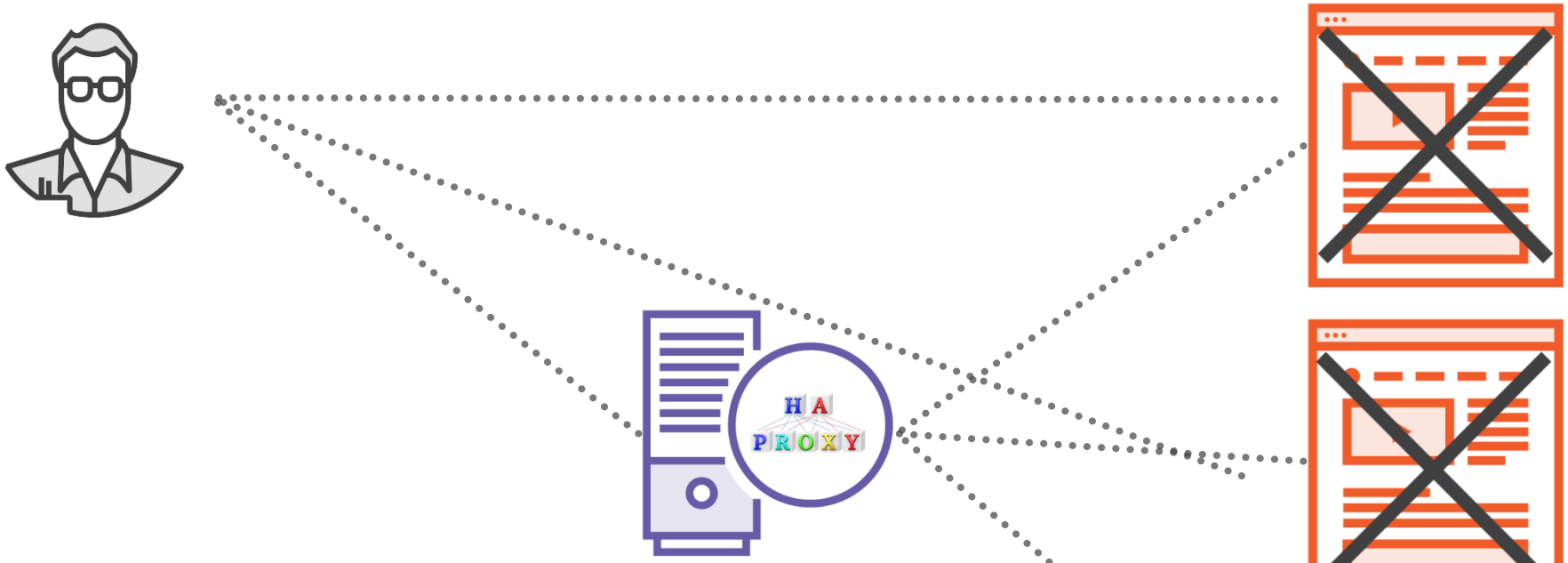
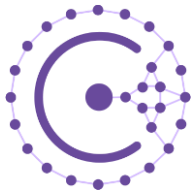
Challenges

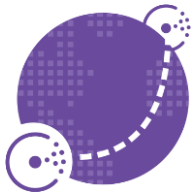


Service Discovery



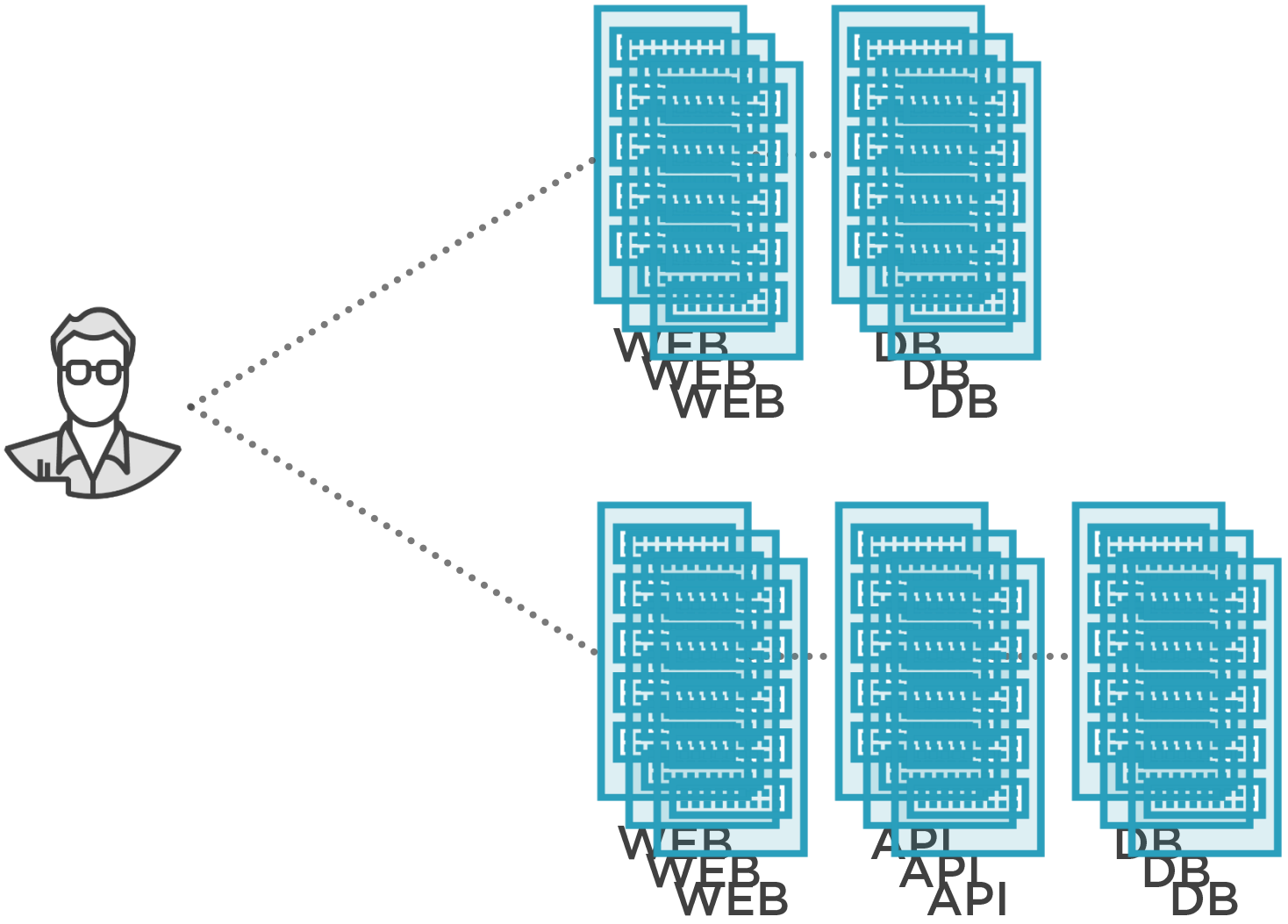
Failure Detection

Multi Datacenter

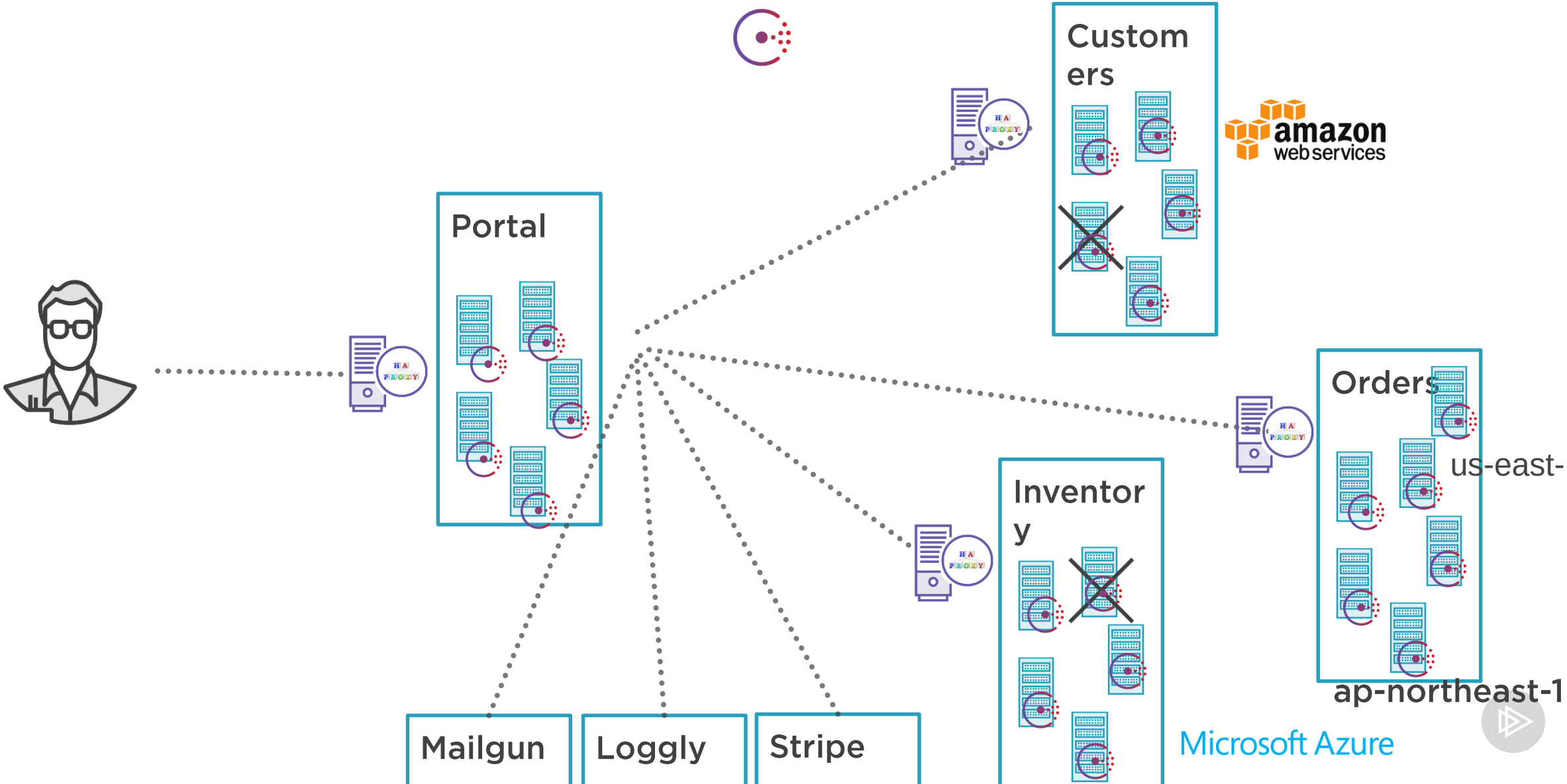


Service Configuration

Traditional System Design



Explosion of Services



Are you tired of:

Static app config files?

Static app config in CM (chef, puppet, ...)?

Manually wiring services together?

Scaling problems?

Service failures?

Complex internal LBs?

Building this by hand?

Gluing tools together?

Would you like:

First class service catalog?

DNS based service resolution?

Distributed health checking integrated into SD?

Seamlessly handle multiple Datacenters?

10s,100s,1000s of nodes?

Docker service discovery?

Fault tolerance, high availability?

Reap benefits of SOA?

Consistent tooling?

XPlat?

Course Overview

Monitoring Nodes

Service Discovery

Dynamic Load Balancing with consul-template

Reactive Configuration via Key/Value Store

Health Checking