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# Cloud-Native Building Blocks: An Interactive Envoy Proxy Workshop

Jim Barton and Adam Sayah, Solo.io

# About Us

Join us on **slack.solo.io** if you have any questions.

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Field Engineer
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# What is Envoy Proxy?

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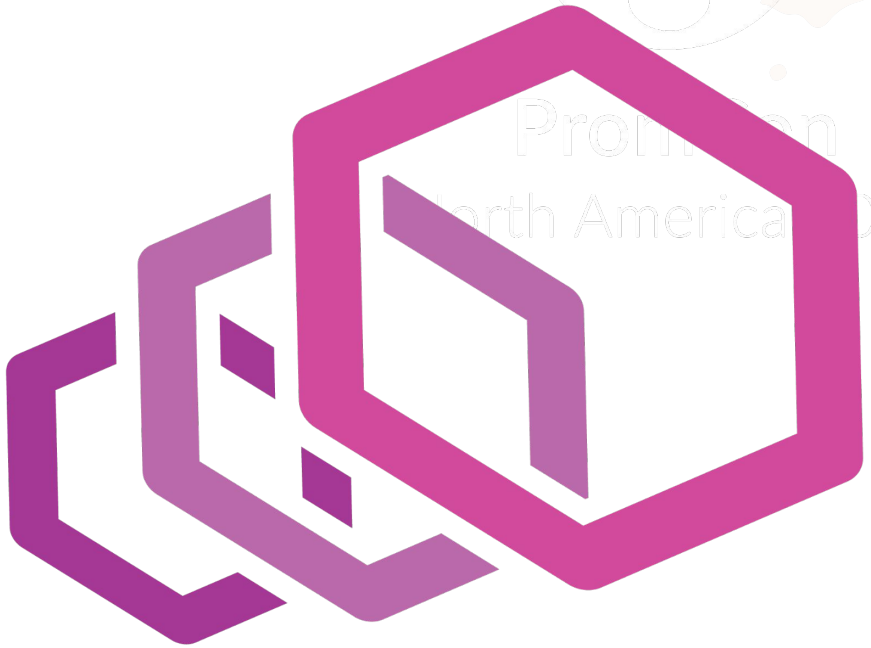
- Open-source proxy originally built by Lyft
- Graduated CNCF Project
  - Donated in 2017
- Extraordinarily Fast and Scalable
- Works at L4 and L7 (HTTP/1, HTTP/2, gRPC, redis, mysql, Kafka, etc)
- Built ground-up for dynamic services environment
- Dynamically configurable
- Highly extensible
- Extensive telemetry out of the box

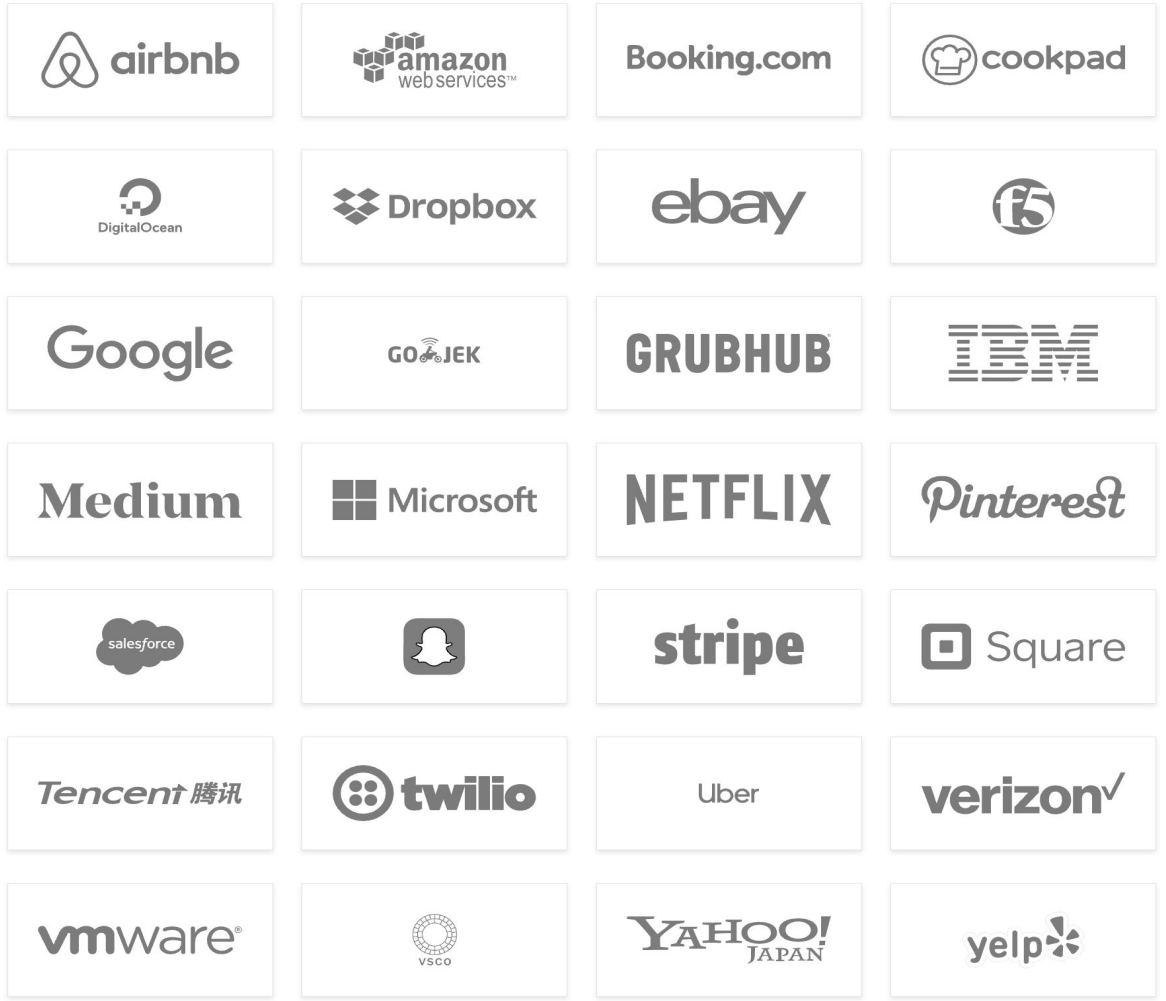


envoy

# Why Envoy Proxy for API Infrastructure?



- Large, diverse, vibrant community
- Extensible from Day 1
- Dynamically configurable
- Foundation for many cloud-native application networking products:
  - Multiple service mesh platforms, including Istio
  - Multiple API gateways
  - Bottom Line: Battle-Tested




Source: *envoyproxy.io*

# Hands-On Workshop

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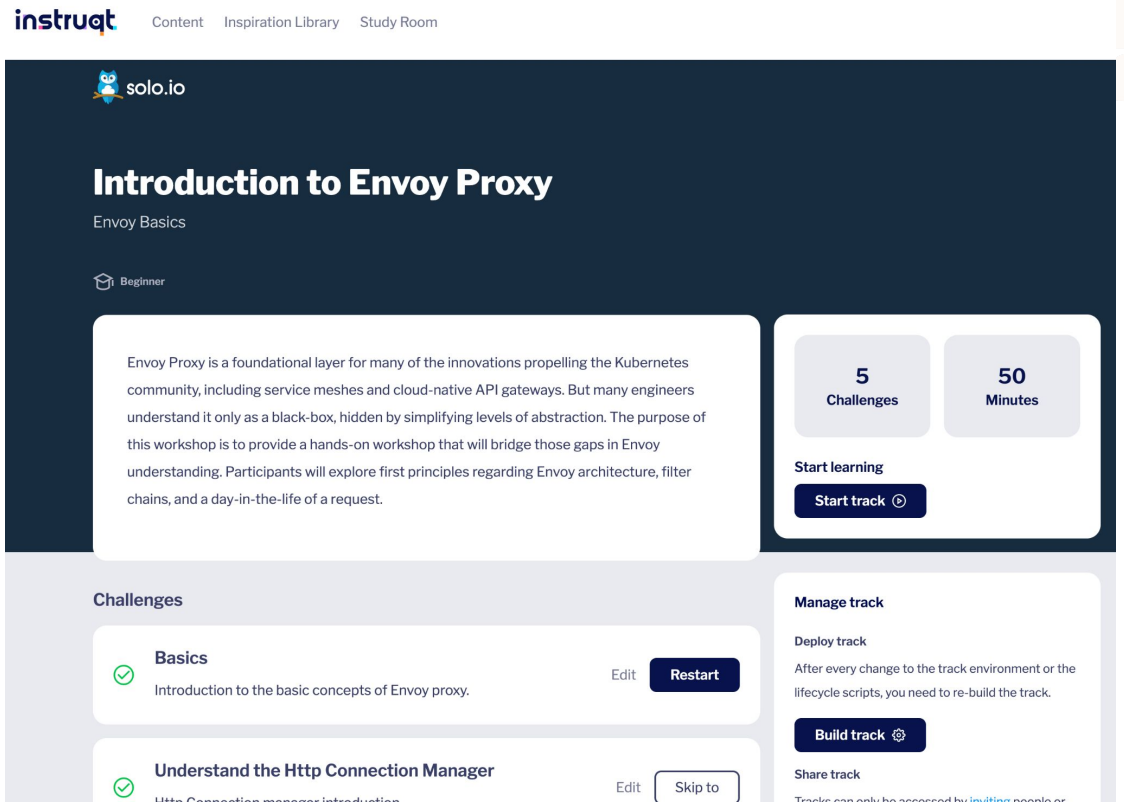
- Hosted on Instruqt platform
  - Provisioned compute environment
  - All you need is a browser and Internet connection

- Five Exercises:
  - Envoy Basics
  - Understanding HTTP Connection Manager
  - Security
  - Observability
  - Debugging

- (Optional) Envoy Foundations Certification Exam to follow




GET STARTED NOW!
http://bit.ly/envoy-workshop

# Hands-On Workshop: Gaining Access

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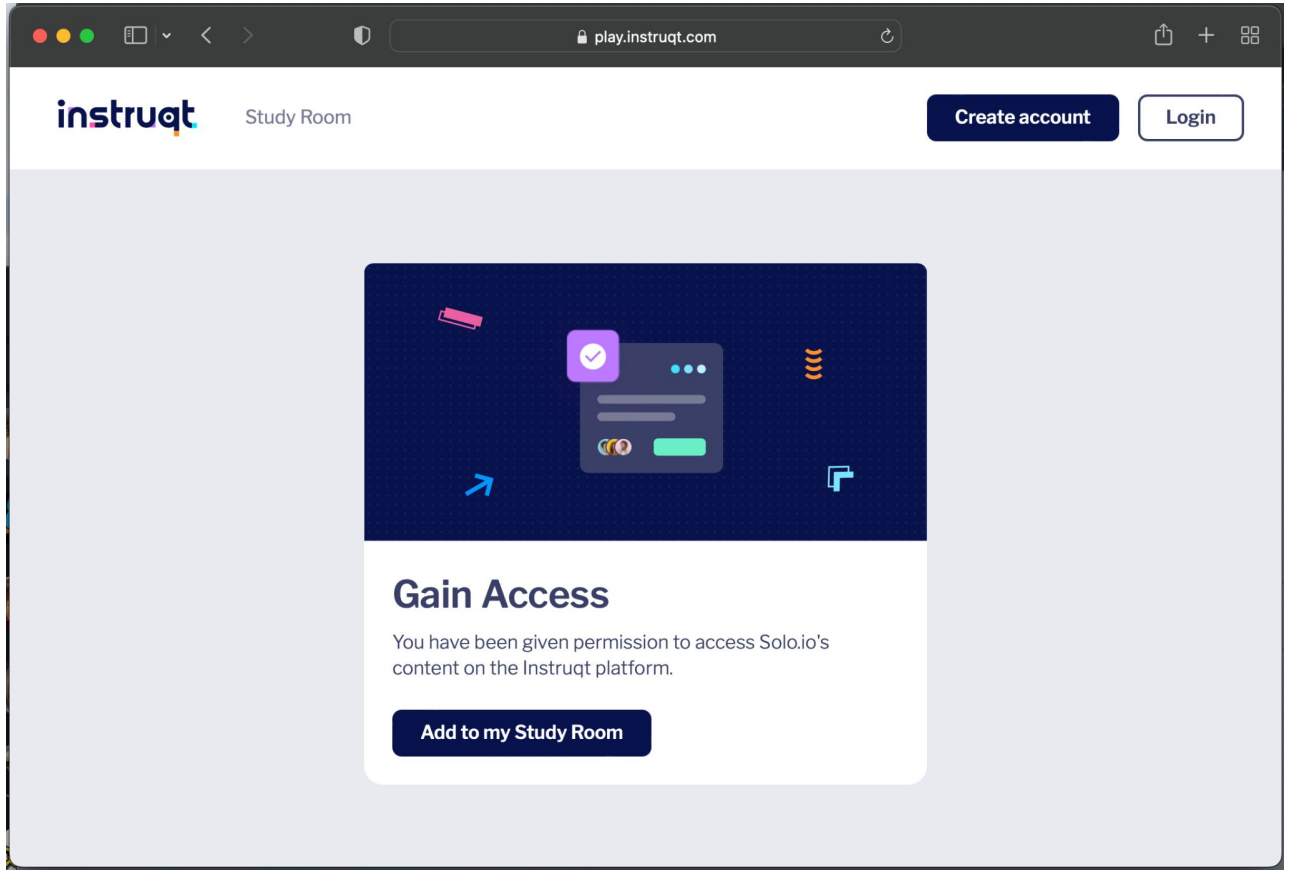
PromCon North America 2021

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# Hands-On Workshop: Content Available

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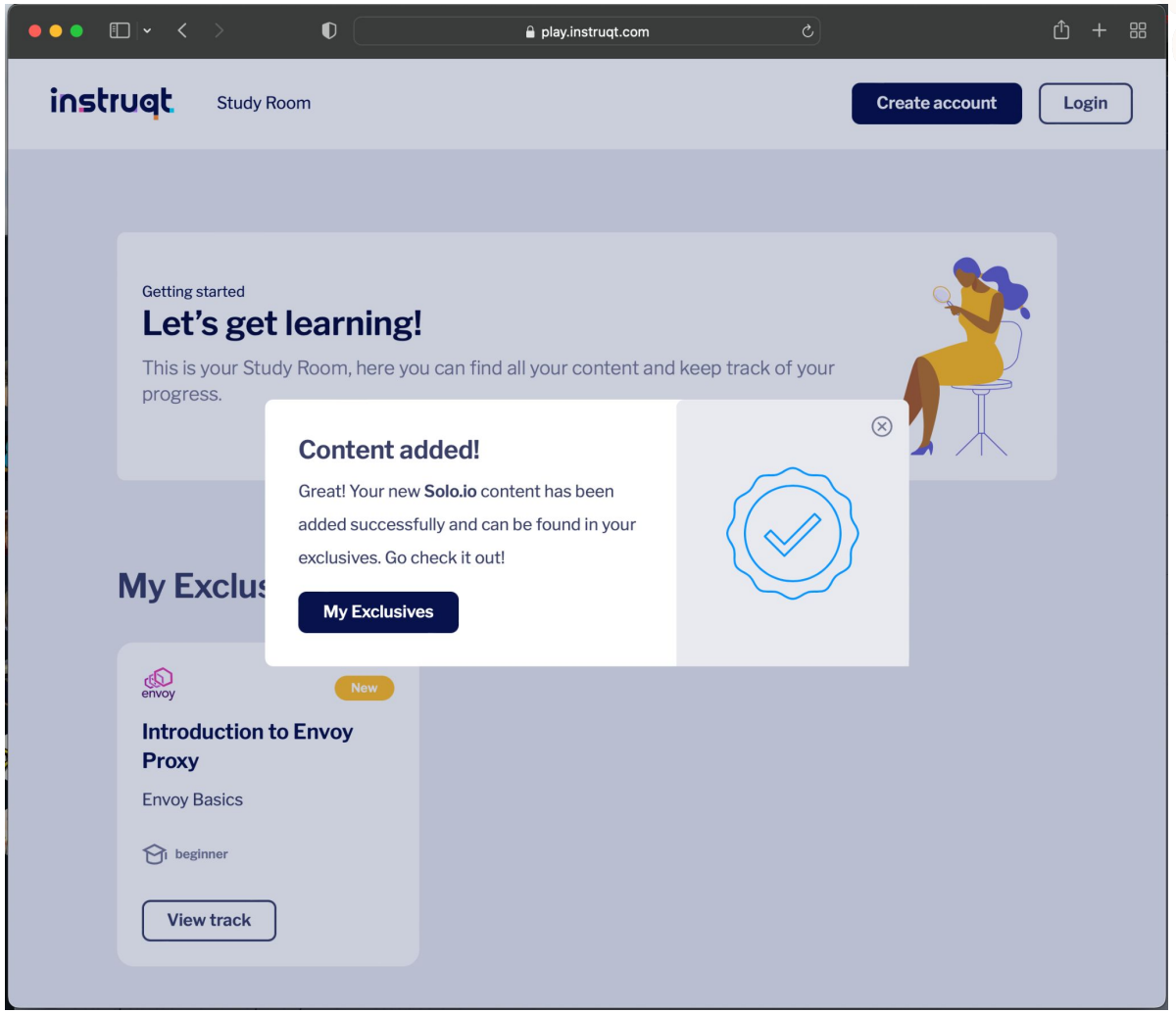
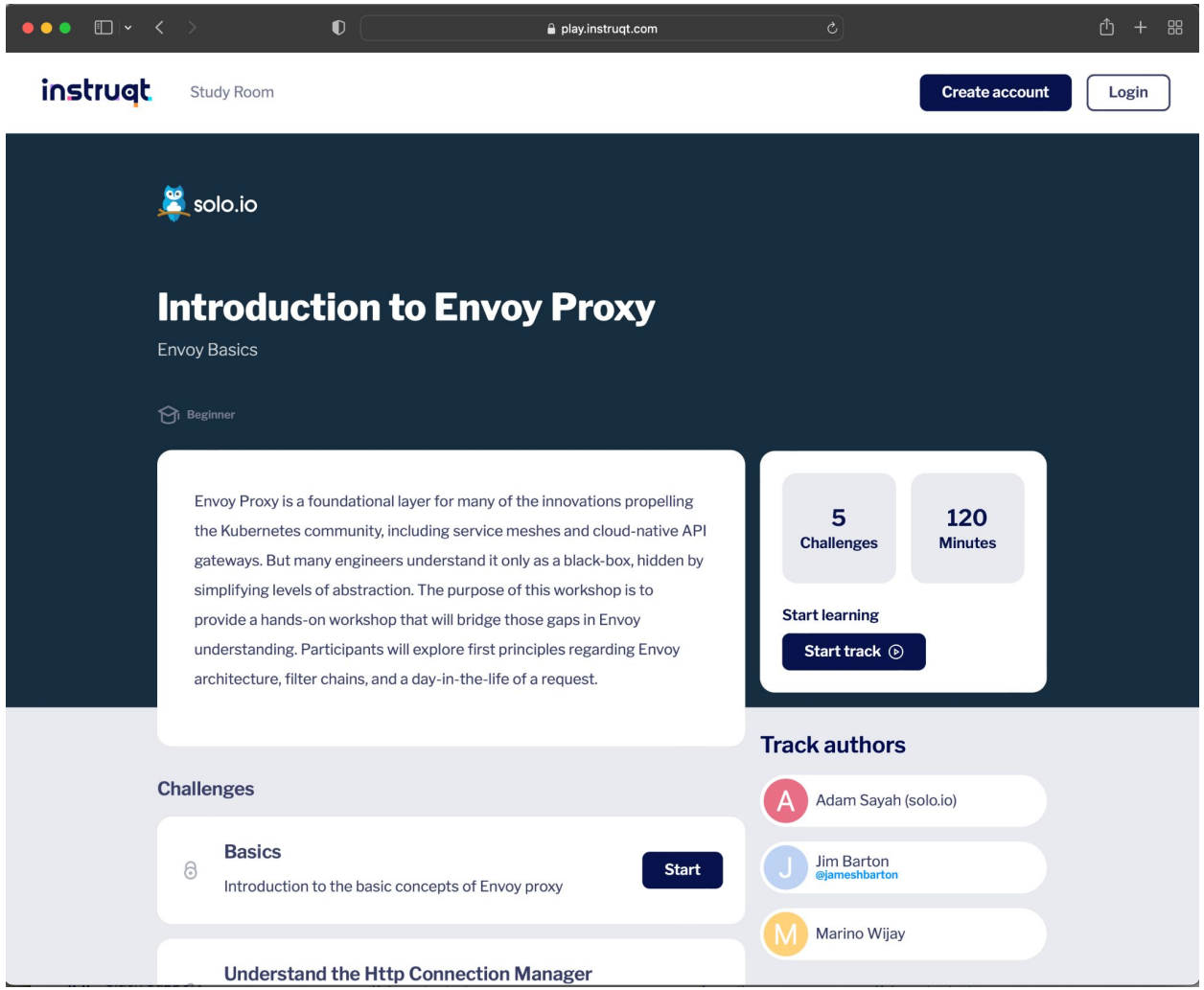


# Hands-On Workshop: Start the Instruqt Track

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# Hands-On Workshop: Launch Track 1

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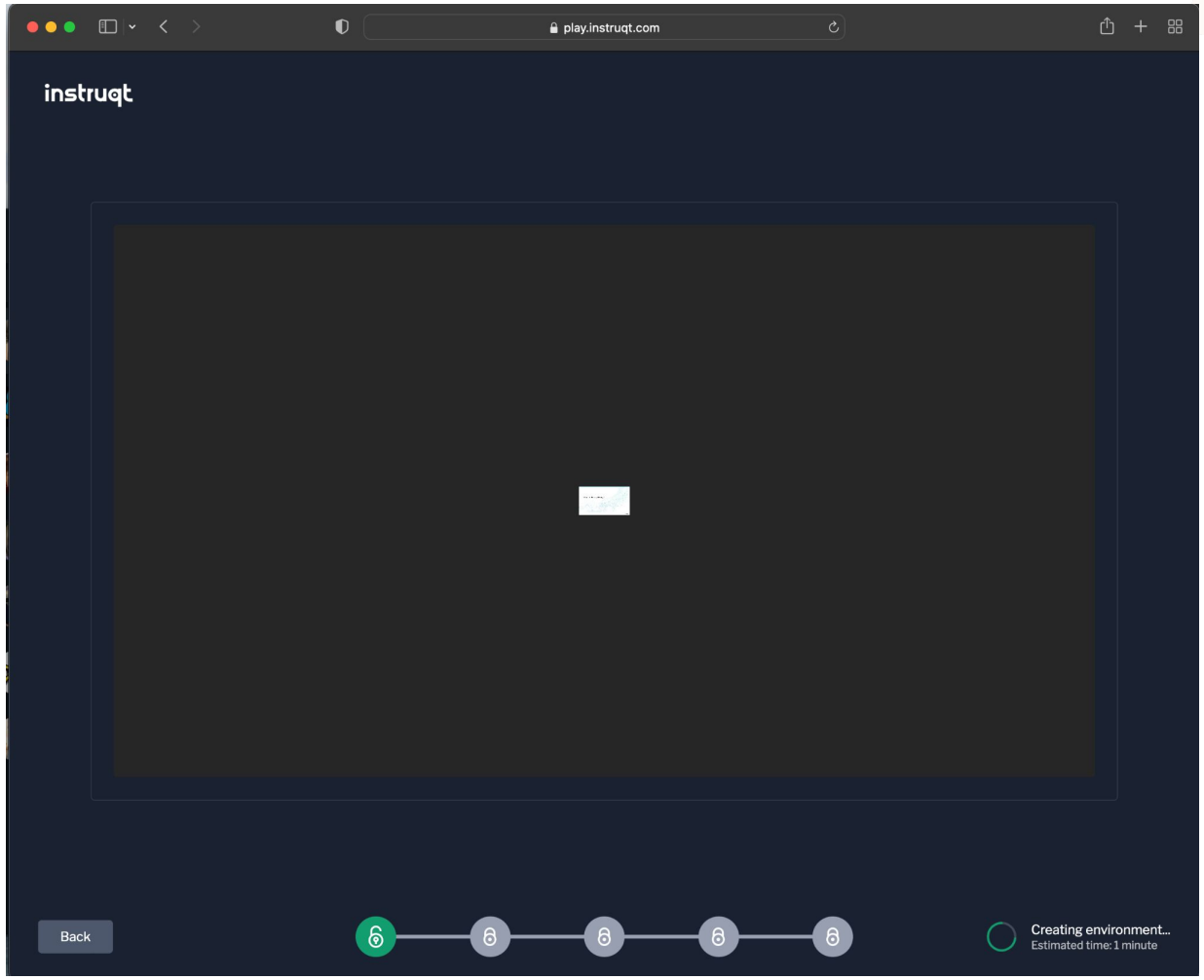

# Envoy Foundations Badge

- Inspired by Solo certification program for Istio and eBPF.
- Envoy Foundations Exam is available now.
- Requires >=80% correct on tests.
- Retake is allowed.
  - Use a different email address for each attempt.
- Badge will be issued within a few weeks.
  - Suitable for Framing (or LinkedIn)

# Interested in joining our team? We are hiring!

https://www.solo.io/company/careers/

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1

## In Person

Visit us at Booth **S10** in the Solutions Showcase

Stop by for a demo and talk with our experts

Get scanned for a chance to win a Millenium Falcon Lego Set - one winner each day

2

## Virtually

Visit our virtual booth, chat with our experts and request a demo

Attend our virtual-live office hour sessions on hot topics

Enter our virtual giveaway for a chance to win Apple AirPods and an Istio in Action eBook

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