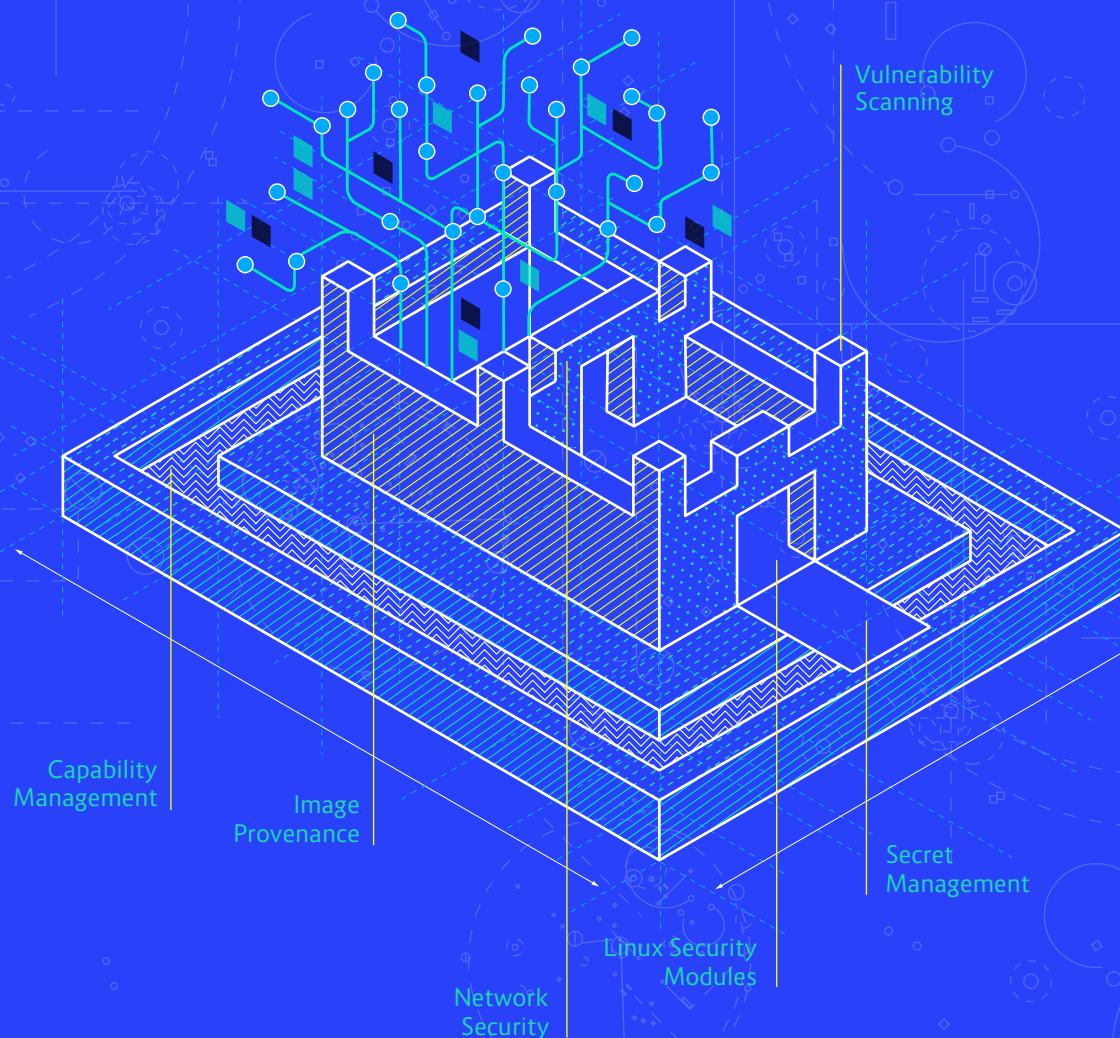**Container Solutions**

SECURE MICROSERVICES

Microservices are all the rage at the moment, but knowledge about how to make secure microservices isn't that widely shared. The hardest part for engineers is cutting through the theory and putting their new knowledge into practice.

In this brand new, two day workshop, the renowned authors of Building Microservices and Using Docker, Sam Newman and Adrian Mouat, take participants from theory to practice. They'll answer questions about the different pressures that drive how you use microservices, and help you fold in security thinking to the evolution of your architecture. Along the way, participants will take a look at how domain driven design drives microservices and how to hack and then secure a vulnerable microservice architecture.

YOU WILL LEARN

- What makes a good microservice.
- How to use concepts from domain driven design to define service boundaries.
- How to plan and manage a migration from a monolith to the microservice architecture.
- Understanding how technical choices can impact the architecture itself.
- How to help prevent and detect malicious attack.
- How to respond to a security incident, and recover afterwards.
- Specific challenges with security in distributed systems, including managing secrets, authorisation and authentication, and transport security.

Vulnerability Scanning

Capability Management

Image Provenance

Secret Management

Linux Security Modules

Network Security

Container
Solutions

WORLD-CLASS TRAINERS

Sam Newman is the author of the bestselling **"Building Microservices"** from O'Reilly.

Sam has worked with a variety of companies across multiple industries all over the globe, often with one foot in the developer world, and another in the IT operations space. He has written articles, presented at conferences, and sporadically commits to open source projects.
After 20 years in the industry, Sam now runs his own consulting and training company Sam Newman and Associates, focusing in the area of Microservices, Cloud and CI/CD.

Adrian Mouat has been involved with containers from the early days of Docker and authored the O'Reilly book **"Using Docker"**.

Adrian is the Chief Scientist at Container Solutions, a services company who specialise in consultancy and training around containers and microservices. He is often found at conferences providing training or speaking about container and microservice security.
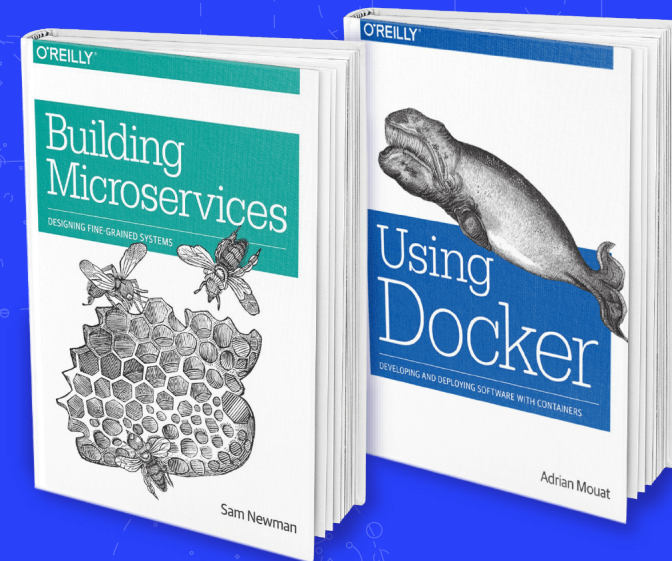
AUDIENCE

This course works at the intersection of design and application security. It is ideal for developers and operations engineers who are considering moving to microservices, or are already on the path. Those involved in technical leadership positions like tech leads and architects would benefit tremendously from this course and the materials provided.

PREREQUISITES

No prior knowledge of microservices, distributed systems, Docker or application security is required, but may be helpful.

Attendees will need to bring their own laptop with an SSH client installed.

O'REILLY

Building Microservices

DESIGNING FINE-GRAINED SYSTEMS

Sam Newman

O'REILLY

Using Docker

DEVELOPING AND DEPLOYING SOFTWARE WITH CONTAINERS

Adrian Mouat

BOOK A PRIVATE TRAINING: info@container-solutions.com