



ARENA

The Cyber Range and Skills Platform

A self hosted range that spins up real containers, virtual machines, and full networks on demand, so people learn, prove, and defend against threats in a place where breaking things is the point.

Real infrastructure, on demand

Arena is a cyber range and training platform. Instead of slides and quizzes, it gives every learner a live environment: a container, a single virtual machine, or a whole multi host network, provisioned in seconds and torn down when the session ends. Everything runs on your own infrastructure, so sensitive material never leaves your walls, and the same platform works in the cloud, on premises, or fully airgapped.

The core idea is simple. Security is a hands on craft, and the fastest way to build a professional is to let them do the work under realistic conditions. Arena turns any lab into a repeatable, isolated, measurable exercise. Flags, submitter binaries, and questionnaires score the outcome automatically, so progress is visible and comparable across a whole cohort.

01

Bring your own images

Boot from a **.qcow2** or an **ISO** directly. **vmdk** and **vmx** also work with a few conversion quirks. If it runs as a VM, it runs in Arena.

02

Container to full network

Single container challenges, single VMs, or routed multi host networks with switches, routers, and segmented subnets, all described once and cloned per user.

03

Isolated and repeatable

Every deployment is sandboxed. Reset, retry, and grade without any risk to production or to other learners sharing the range.

04

Measured outcomes

Auto scored flags, live activity logs, VNC and serial consoles, and session recordings turn practice into evidence of skill.

SIEM rule validation

EDR and XDR test beds

Sandboxed web app clones

Proctored exams

Hiring assessments

CTF hosting



Usages

Arena adapts to the way real teams work. A few of the most common setups are below, each built entirely in a container and VM environment.

SOC / Blue Team

Stand up a SIEM, attack, then validate the rules

Spin up any SIEM as a lab instance, run scripted attacks against the attached target machines, and confirm end to end that your detection rules actually fire. Tune, replay, and prove coverage before it ever matters in production.

Any SIEM integrates as long as you have a **.qcow2** or an **ISO**. A **vm disk** or **vmx** works too, with a few quirks.

Offensive / Red Team

Test beds with EDR and XDR in the loop

Build target hosts with real EDR and XDR agents installed, then run your tooling against them to measure success rate, detection, and evasion. Iterate on payloads and tradecraft safely, with a clean environment every single run.

AppSec / DevSecOps

Replicate a whole web app in a sandbox

Clone an entire production web application into an isolated environment and test it thoroughly, destructive scans included, without touching or endangering the live deployment in any way. Full logs stream back in real time for review.

DFIR / Threat Hunting

And plenty more

Detonate malware in a throwaway sandbox, practice memory and disk forensics on seeded images, rehearse incident response on live infrastructure, run purple team drills, or host a full CTF. If it needs real machines, it fits here.



Assess and hire with confidence

Education

Hold a student's examination on Arena

Run practical, proctored exams on live infrastructure instead of paper. Every student gets an isolated instance of the same scenario, works the problem for real, and is graded automatically through flags, submitters, and questionnaires. Recordings and activity logs give instructors a full account of how each answer was reached.

Hiring

On demand labs for employers

A company wants to hire a cyber security professional but does not know how to test whether the candidate really has the skills. Arena provides dedicated on demand labs so interested employers can put a to be employee through a realistic hands on scenario and see, plainly, whether they are up to par before an offer is ever made.

Isolated per candidate

Auto scored

Repeatable scenarios

Full session replay

From the first day of training to the final hiring decision, Arena keeps every step on the same measurable, isolated, and reproducible foundation.





Built by AirOverflow

Arena is designed, built, and supported by AirOverflow. Reach out to bring a real cyber range to your team, classroom, or hiring process.

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