

Building the next generation of security talent with Cyber Range

Case study at a glance

INDUSTRY

Education

NEED

Closing the cybersecurity skills gap

SOLUTION

Field Effect Cyber Range® training and simulation platform.

INTRODUCTION

Finding and retaining skilled cybersecurity staff has become a challenge for many industries. With a lack of skilled talent to fill the needs of the market, educational institutions face mounting pressure to develop the next generation of cybersecurity professionals.

In order to quickly produce highly skilled graduates, academic organizations need more than theory—they need tools that provide hands-on experience based on real-world scenarios.

The Industry

It is the mission of educational institutions to help prepare younger generations for the world and workforce, and as such, the sector is perfectly positioned to address the cybersecurity skills gap. Whether at the primary, secondary, or post-secondary level, more schools are incorporating cybersecurity elements into their offerings.

The Challenge

Despite the clear need for cybersecurity education, academic institutions often lack the necessary resources to offer cybersecurity learning at the fidelity and scale required to close the skills gap.

Effective security education requires hands-on, experiential learning, and running a controlled virtual environment for students to learn in is out of reach for most organizations. Those that are able to operate lab environments are frequently bogged down with manual management, setting up, tearing down, and resetting virtual environments one click at a time.

Furthermore, building a timely and relevant curriculum is an additional challenge because of the ever-evolving nature of the cyberthreat landscape.



FIELD EFFECT

The Solution

Field Effect Cyber Range gives academic organizations everywhere access to a platform that comes loaded with all the tools needed to deliver hands-on, experiential cybersecurity training and education.

Using the extensive curriculum of pre-made content and scenarios, these organizations can deliver realistic simulations that ensure students get the opportunity to put their security skills to the test.

Because Cyber Range is browser-based, the only technology students need is a laptop that can connect to the internet, letting them learn at their own pace whenever and wherever they want. Cyber Range also allows instructors to easily reset, reuse, and repeat exercises—or create their own on the fly—to ensure students get the full experience.

Organizations like the Information and Communications Technology Council (ICTC) and Manitoba Institute of Trades & Technology (MITT) have used Cyber Range to accelerate and upscale their education programs, creating ecosystems that help shape future security talent.





At a glance:

- ✓ Preconfigured Virtual Machines
- ✓ Start lessons in minutes
- ✓ Dynamic, adaptive courses
- ✓ Simulate real-world conditions
- ✓ Maintain academic integrity
- ✓ Advanced evaluation metrics and reporting



About Field Effect

Field Effect believes that businesses of all sizes deserve powerful cybersecurity solutions to protect them.

Our threat monitoring, detection, and response platform, along with our training and compliance products and services are the result of years of research and development by the brightest talents in the cybersecurity industry. Our solutions are purpose-built for SMBs and deliver sophisticated, easy-to-use and manage technology with actionable insights to keep you safe from cyber threats.

Contact our team today.

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