



FIELD EFFECT INNOVATION HIGHLIGHT



COMPANY OVERVIEW

Cybersecurity is often taught via slides, white papers, case studies and lectures. However, this does not prepare cybersecurity professionals for the real world. More realistic environments that include malware or active threats are needed. Field Effect's Cyber Range allows instructors to design environments quickly, using drag and drop editing while replicating the environment for each student. Students are isolated from one another, need only a browser, and have the benefit of learning at their own pace. These immersive experiences are what prepare cyber security experts for the real world.

LOCATION: OTTAWA, ON

TECHNOLOGY



Cybersecurity

NO HANDS-ON COMPONENT FOR CYBERSECURITY TRAINING

By the year 2025 there will be roughly 3.5 million unfilled cybersecurity jobs globally. Organizations, businesses, and academic institutions of all sizes are recognizing this and adjusting their training to get ahead. However, cybersecurity training is a lot of theoretical learning, and lacks the hands-on component required for ensuring retention. Whether small or large, organizations need their employees to experience all phases of a breach (detection, containment, eradication, recovery) BEFORE it happens in production. With Field Effect's Cyber Range, hands-on exercises, labs, and assessments, both for individuals and teams are possible.

REALISTIC CYBERSECURITY TRAINING WITH CYBER RANGE

Field Effect's Cyber Range gives cyber professionals the opportunity to experience all aspects of a cybersecurity incident, in a realistic and safe isolated environment. Cyber Range makes creating realistic training easy, allowing academic institutions to spend more time training future professionals instead of designing cyber scenarios and maintaining infrastructure. This keeps costs low and increases the number of students that can be trained each year. By using Field Effect's Cyber Range, students can get the practical knowledge that is required to successfully protect the environments of our world today and tomorrow.

DEMONSTRATING CYBER RANGE'S VIRTUAL MACHINE SCALING ABILITY

Field Effect leveraged the CENGN Testbed to demonstrate the scaling ability of Cyber Range's provisioned virtual machines. By using different deployment configuration options for the vSphere and Cyber Range control plane components, scaling and stability bottlenecks were identified and addressed. During their testing, Field Effect collected important performance data points from the Cyber Range platform and they're now confident to deploy Cyber Range in production customer sites.

"We determined the optimal settings for our Cyber Range environment, making provisioning 4x faster than previous configurations!"

Noel Murphy,
Director of Simulation
Technologies,
Field Effect



Noel Murphy, Director of Simulation Technologies

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