

# Threatscape Manitoba

## Unpacking Cyber Challenges for Municipalities

## INTRODUCTION

# Welcome!

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**Pete Schmuland**  
Manager, Technology  
Infrastructure & Service  
Desk, City of Brandon



**Jamie Hari**  
Director of Product  
Management, CIRA  
Cyber/DNS



## INTRODUCTION

# Overview of today's session



- **Part one:** Introduction
- **Part two:** Why cybersecurity matters
- **Part three:** DNS Firewall to protect your municipality
- **Part four:** The City of Brandon
- **Part five:** Questions



# *what* we do

Best known for managing the .CA domain on behalf of all Canadians, we also offer a variety of products, programs and services designed to make **the internet a safe, secure and accessible space for all.**

# *what* we do

## Cybersecurity Services

- Canadian Shield
- DNS Firewall
- Anycast DNS
- Cybersecurity Awareness Training

# Growing challenges facing municipalities

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## Ransomware

More frequent and sophisticated ransomware attacks



## AI

More convincing phishing attacks.  
Attack process automated



## Regulations

Greater privacy and regulatory pressure.  
Increased cost of cyber insurance.



## State Attacks

Tactic for subversion & power projection.



## Attack Surface

WFH and hybrid work has led to more access points for criminals.

## CYBERSECURITY FOR MUNICIPALITIES

# Why cybersecurity for municipalities matters

C I R A . C A



Protecting citizen  
and staff data



Continuity of  
operations



Preventing  
financial loss



Compliance  
requirements

## CYBERSECURITY FOR MUNICIPALITIES

# Why municipalities are attractive targets for cyber criminals

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They often store large amounts of sensitive data on their systems.



They provide essential services, with severe consequences for downtime.



Many have legacy IT environments which are challenging to defend.



Budgeting and staffing constraints.



## CYBERTHREATS IN CANADA & MANITOBA

### The cost of a cyber incident

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**70%**

of Canadian organizations reported paying ransom demands after experiencing an attack.



**71%**

of organizations who experienced a ransomware attack indicated that data was exfiltrated.



**\$5.13M**

average cost of a data breach in Canada.



**328**

average amount of time in days to identify and contain a data breach in Canada.

# How CIRA Can Help Protect Your Municipality

## PART 4

# secure *network traffic*

## CIRA DNS FIREWALL

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Stop the threats before they arrive with highly effective malware, phishing and botnet protection.

+4M

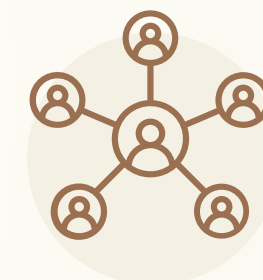
Users protected by CIRA DNS Firewall, including schools, universities, hospitals, and businesses.



Stay protected from the most recent threats. 100,000+ new threats added to block list daily.



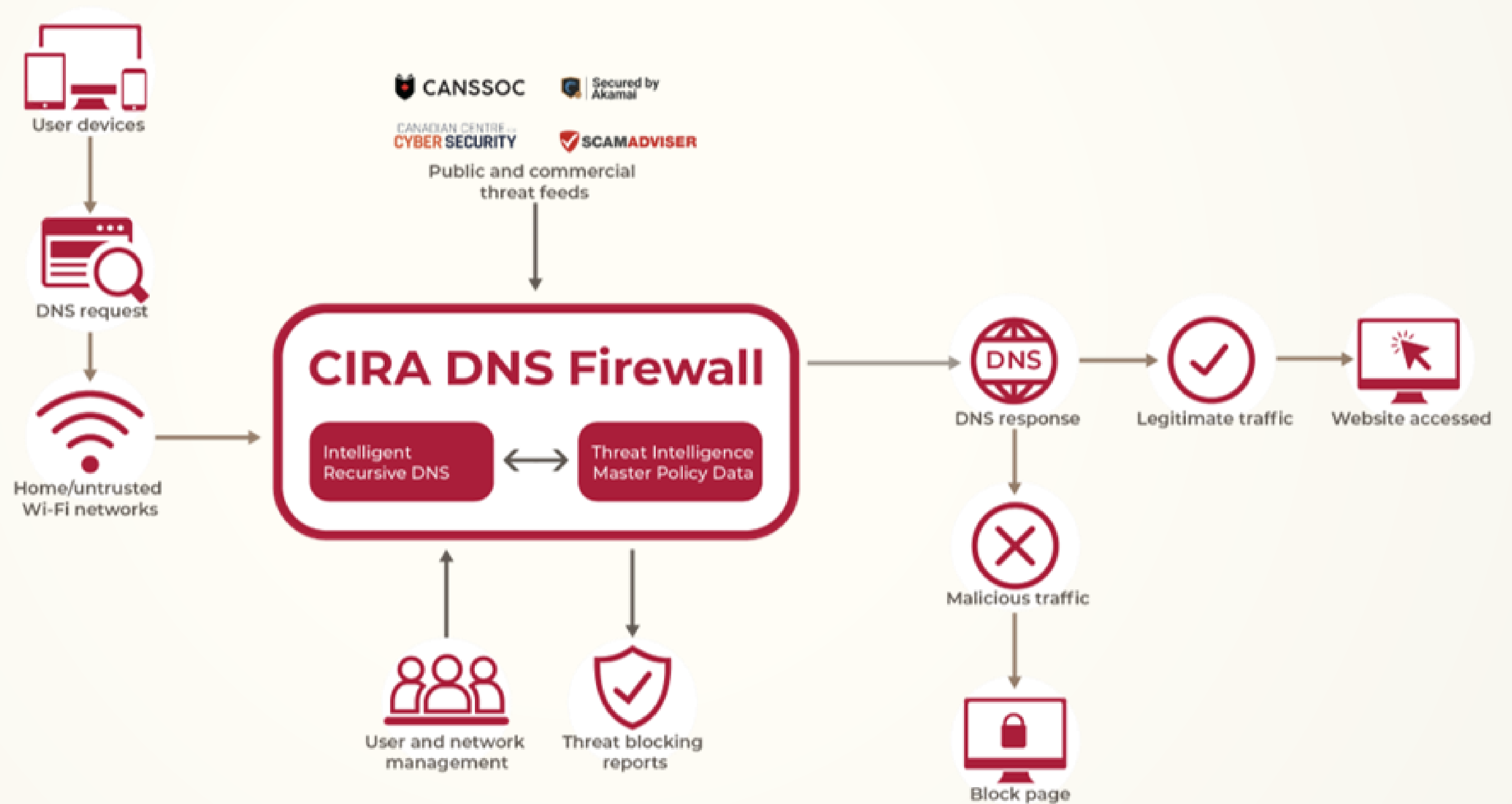
Keep your data in Canada with our Canadian operated, protected recursive DNS resolver.

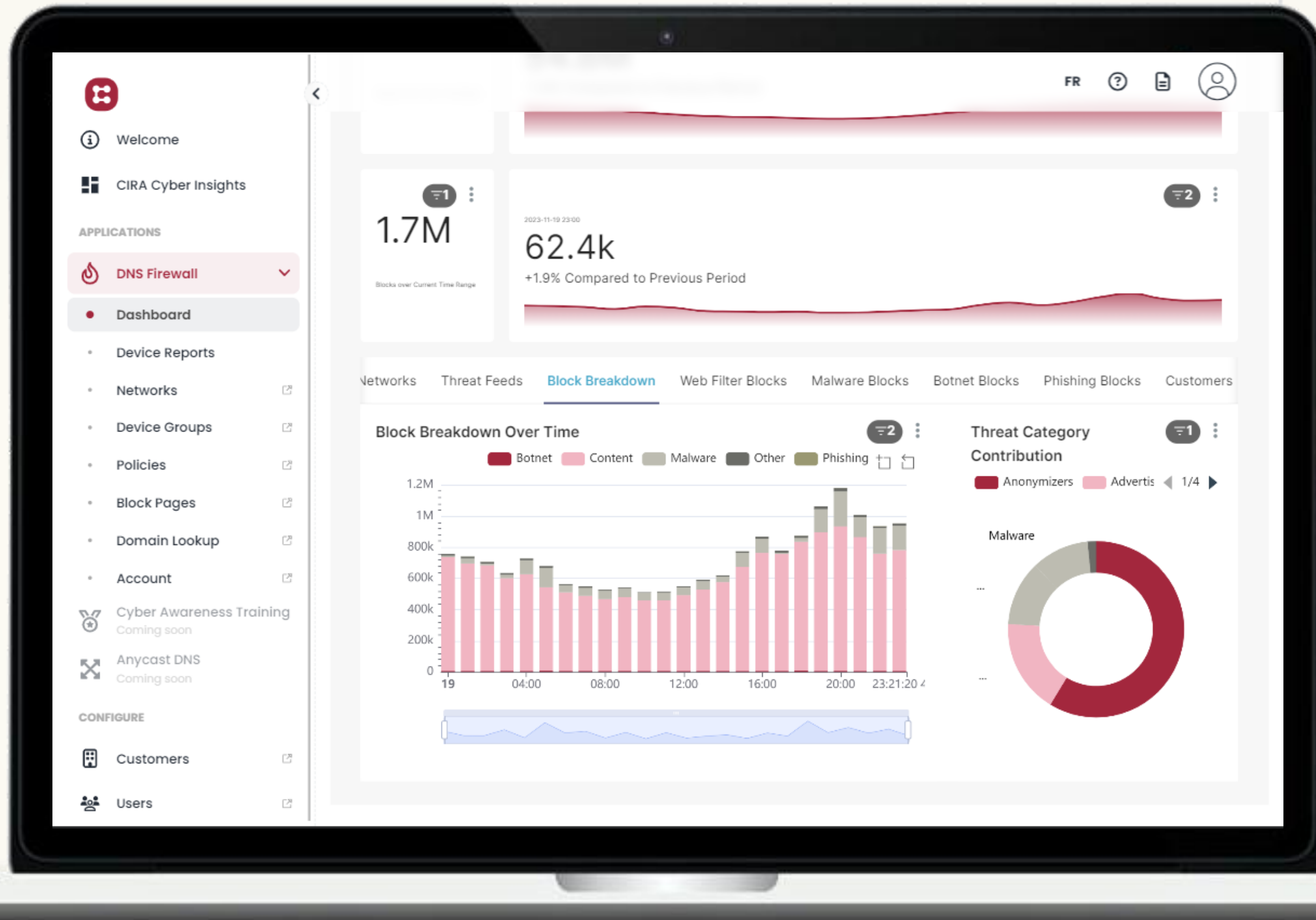


Protection wherever your employees are. DNS privacy, mobile cybersecurity, and content filtering all available off-network.

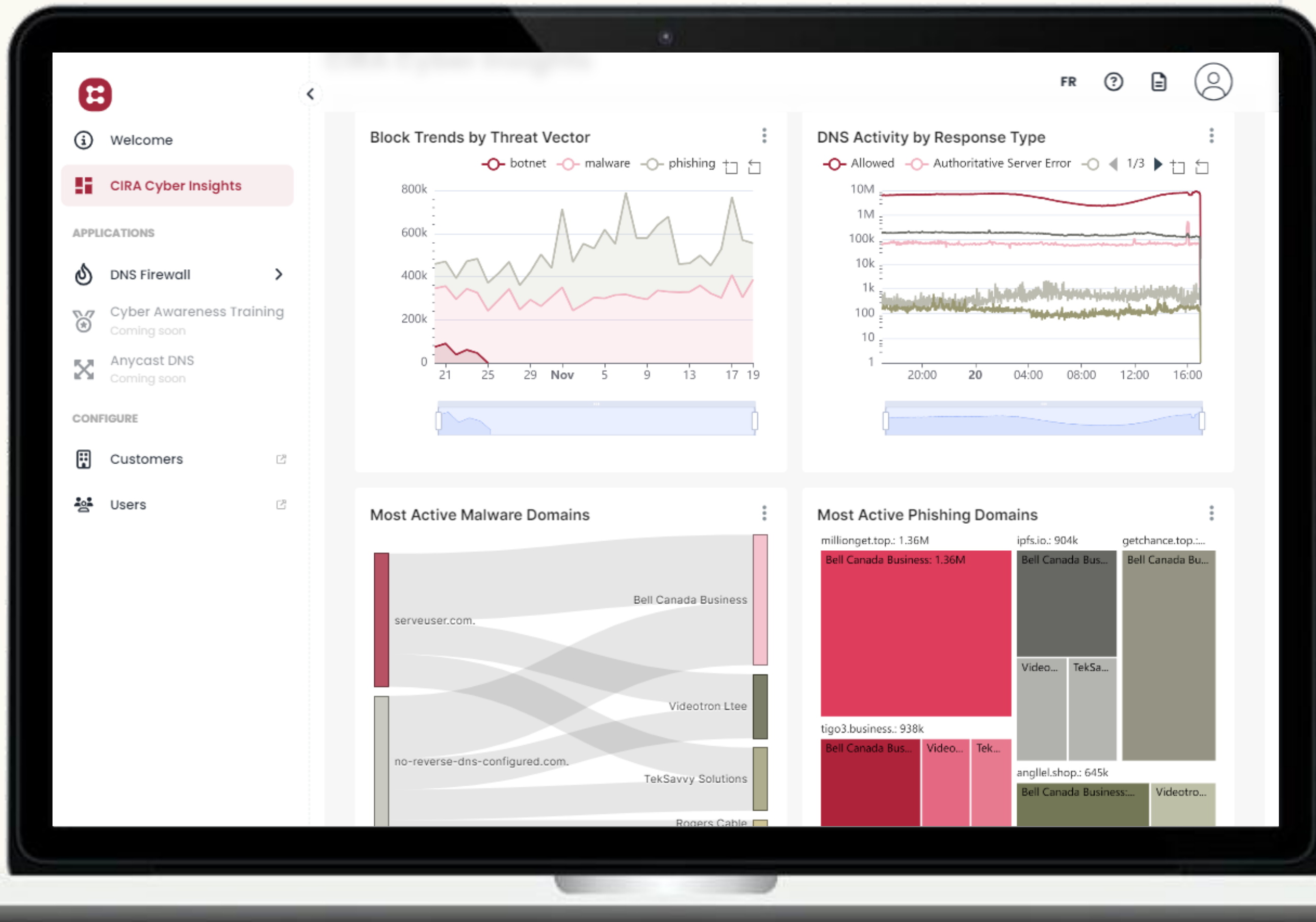
# REINFORCING NETWORK/ENDPOINT SECURITY

## How it works









# CIRA CYBERSECURITY AWARENESS TRAINING

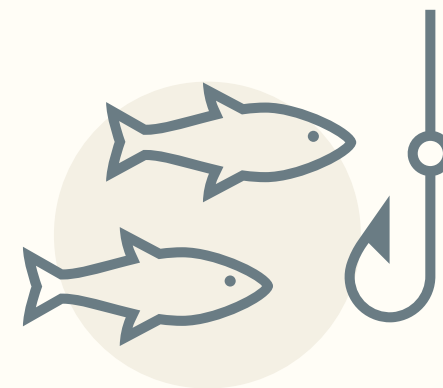
## strengthen your human firewall



Comprehensive **training program** which can be launched in an afternoon



Customize **templates, dashboards, and courses** without any code.



Automatically **phish your users** at a cadence you choose.



Pull compliance reports in just seconds with **advanced reporting tools**



# CIRA CYBERSECURITY AWARENESS TRAINING

## how it works



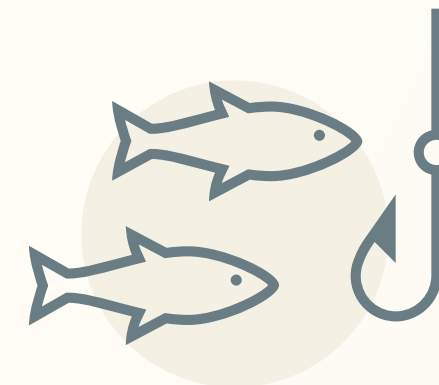
Survey

+



Courses

+

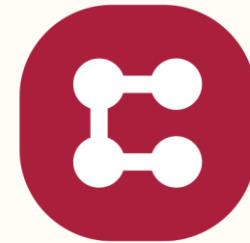


Phishing simulations

=



Risk score



## CIRA CYBERSECURITY AWARENESS TRAINING

reduces  
risky clicking by 3x



REINFORCING NETWORK/ENDPOINT SECURITY

City of Brandon





# Discussion Questions

## YOUR TEAM

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**Andrew Fraser**

Sales & Customer Success  
andrew.fraser@cira.ca



**Pooja Khatri**

Territory Account Manager  
pooja.khatri@cira.ca



**Philip Crout**

Technical Sales Specialist  
philip.crout@cira.ca

