# CIRA
BUILDING A BETTER ONLINE CANADA

HOW MUCH COULD A HACKER ATTACK COST YOU?
## *HELP AVOID IT WITH D-ZONE ANYCAST DNS*

The cost of an outage for an e-commerce site can be directly shown in lost dollars, while network/website outages are measured in lost productivity and loss of customer trust. The Canadian Internet Registration Authority (CIRA) is responsible for the .CA Top Level Domain and maintains the critical DNS infrastructure needed to keep over 2.5 million domain names online 100 per cent of the time - and we are delivering this to your organization.

REGISTRY SPEED AND SECURITY FOR EVERY WEBSITE IN CANADA

The DNS translates human-readable website addresses into the IP addresses that machines understand. It is like the Internet's phone book and without it everything online, including websites, email, and applications effectively cease to exist. This makes it a popular target for hackers, and there are steps organizations can take to protect themselves from two common attacks.
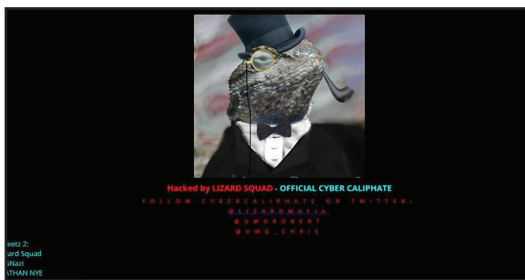
An example of domain hijacking that targeted Air Malaysia
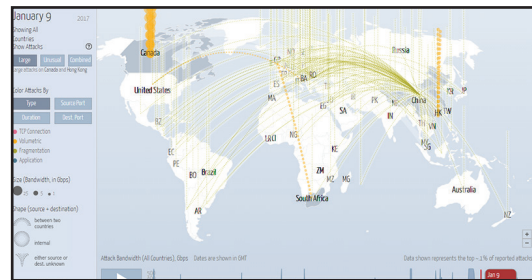
Arbor Networks attack map regularly shows Canadian organizations as the top targeted globally.

ATTACK 1: DOMAIN HIJACKING

A hacker can point your domain name to a website that embarrasses your organization or establish a phishing site to pose as you and steal customer data. This can happen through social engineering at an IT supplier or registrar or from within your company.

Protect your website address with D-Zone Domain Lock
To secure against hijacking D-Zone does not allow unauthorized changes to your DNS at the registry level. Established authorities within your organization using the highest level of authentication are the only ones who can make changes.

ATTACK 2: DDOS ATTACKS

The DNS is vulnerable to Distributed Denial of Service (DDoS) attacks that flood servers and make them unavailable. When this happens your customers and users cannot access your website and emails cannot be sent. Best efforts from an IT supplier are often not enough in today's climate.

Stay online with D-Zone Anycast DNS
Canadian traffic is responded to from Canadian servers and international traffic answered internationally. Since the vast majority of DDoS attacks originate off-shore attacks get soaked-up there and your website is safe.

CIRA HELPS CHAMBER OF COMMERCE MEMBERS

Because members are critical players in the Canadian economy we have created a special bundle of both services designed for you. For more information, including an analysis of your vulnerabilities please contact us today at **info@cira.ca.**

D-ZONE

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