

Security and Privacy Demands Affecting the DNS

The Canadian Experience

Alyssa Quinn (Moore)
CIRA

External Demands

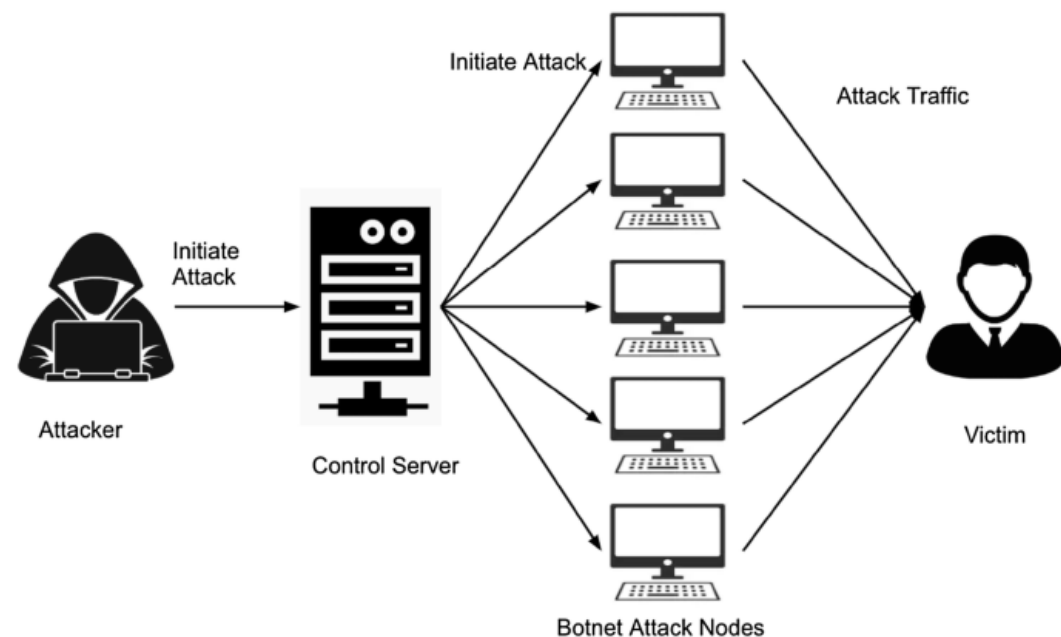
- **Increased government awareness** of cybersecurity issues (including DNS abuse) in the context of COVID19
- Jan 2021: Regulatory consultation on the **development of a network-level blocking framework to limit botnet traffic and strengthen Canadians' online safety**
- Bill C-11: Updates to Canadian **privacy legislation**

Increased government awareness of cybersecurity issues (especially in the context of COVID19)

- Standing Committee on Science, Technology and Industry hearing on online fraud in May 2020
- Government announcements
 - Canadian Centre for Cyber Security created on October 1, 2018
 - National Cyber Security Strategy launched 2019
 - \$80 million dollars for cybersecurity in Budget 2021
 - Over 100,000 users of CIRA Canadian Shield since 2020 launch
- The Canadian Government's focus on cybersecurity has created opportunities for CIRA to lend its expertise through appearing at committee hearings and partnering with government agencies.

CRTC 2021-9: Compliance and Enforcement Telecom Notice of Consultation

- In January 2021, the Canadian telecom and broadcasting regulator (CRTC) released a consultation on the **development of a network-level blocking framework to limit botnet traffic and strengthen Canadians' online safety**



Government of Canada / Gouvernement du Canada | Canada.ca | Services | Departments | Français

Canadian Radio-television and Telecommunications Commission | Canada

Phone | Internet | TV & Radio | Business

Home → Business → Decisions, Notices and Orders

Compliance and Enforcement and Telecom Notice of Consultation CRTC 2021-9

[PDF version](#)

Ottawa, 13 January 2021

Public record: [1011-NOC2021-0009](#)

Call for comments – Development of a network-level blocking framework to limit botnet traffic and strengthen Canadians' online safety

Deadline for submission of interventions: 15 March 2021

[\[Submit an intervention or view related documents\]](#)

The Commission hereby calls for comments on its proposal to develop a network-level blocking framework that will limit the harm botnets cause to Canadians while safeguarding privacy and ensuring transparency. Botnets are the basis for an increasingly large proportion of cyber threats to Canadian citizens, corporations, and institutions, and blocking botnet traffic is an effective way to reduce those threats.

CRTC 2021-9: Compliance and Enforcement and Telecom Notice of Consultation

- CIRA submission
 - This proceeding also isn't about whether ISPs should filter malicious traffic — they already do. This is about subjecting that activity to independent oversight and a principled framework.
 - CIRA submitted several proposals on how a narrowly tailored framework could permit ISPs to filter malicious traffic for network security with independent oversight and accountability.
 - We argued that a blocking framework can only be implemented on a non-mandatory basis and any blocking framework must center the principles of transparency, non-discrimination, necessity and proportionality.
 - A new framework needs to be laser-focused on technical threats that weaponize the network itself – like botnets or malware. It should not be used to block content or online speech.

Bill C-11: Updates to Canadian privacy legislation

- Bill C-11, *The Digital Charter Implementation Act*, was introduced in Parliament in November 2020.
- It represented an overdue overhaul of Canadian privacy legislation to match the digital age.
- It still has a while to go before being ratified.

C-11
An Act to enact the Consumer Privacy Protection Act and the Personal Information and Data Protection Tribunal Act and to make consequential and related amendments to other Acts

Sponsor
Minister of Innovation, Science and Industry

Liberal

HOUSE OF COMMONS

REUTERS®

World Business Markets Breakingviews Technology Investigations Lifestyle Grap

May 20, 2021
6:19 PM EDT

Americas

Canada's privacy bill inadequate to fix entrenched issues, critics say

3 minute read

Maira Warburton