

Internet Censorship



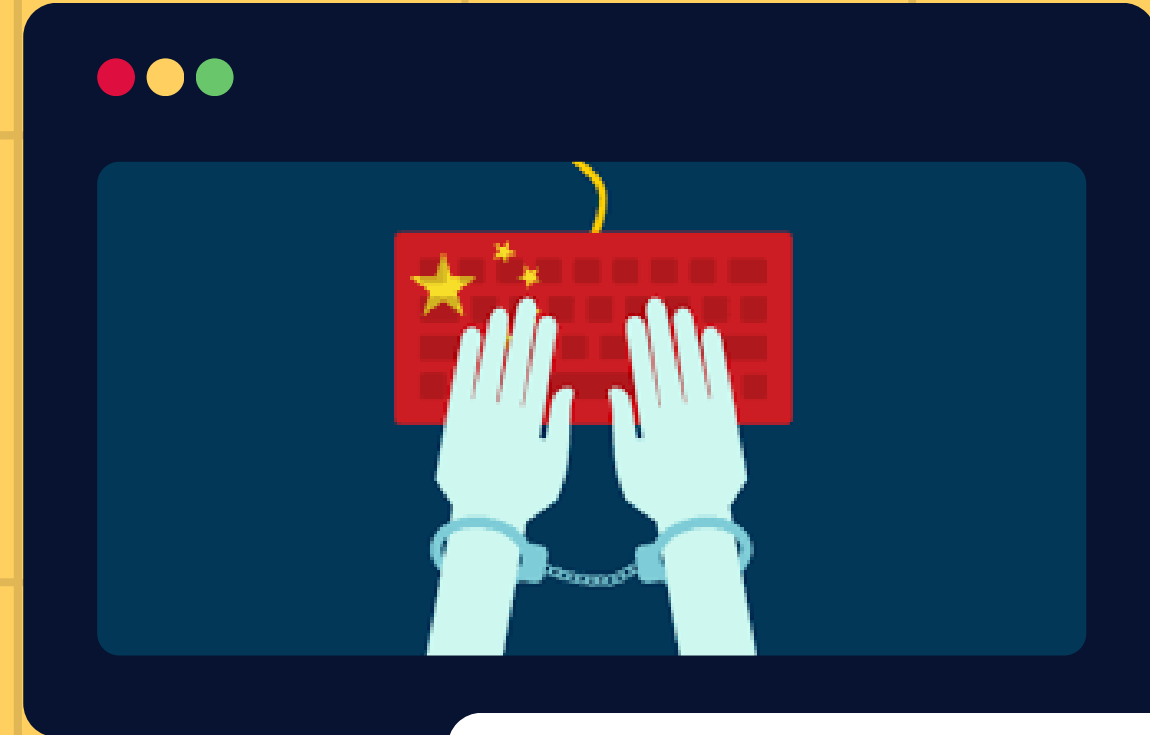
Presented By

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Context & Motivation

The need for this work comes from the importance of internet freedom and privacy as censorship increases around the world.

The aim of this work is to research modern censorship mechanisms and analyze the internet censorship differences in Ireland & Iraq.



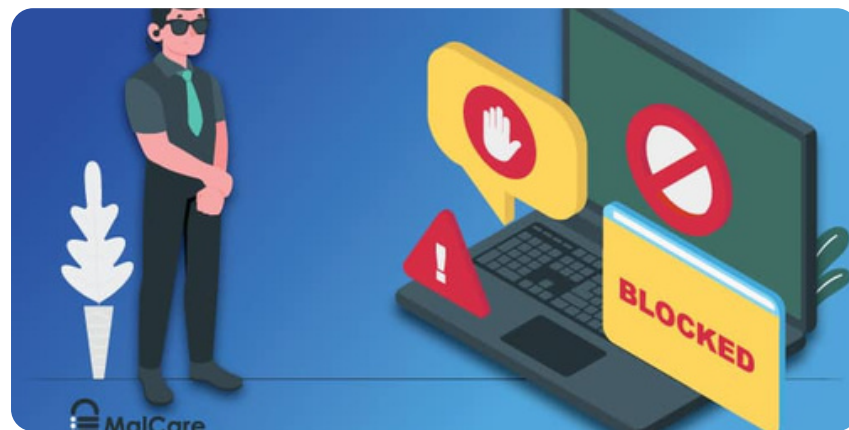
Research Objectives

The main objective of the initial research phase was to identify modern censorship methods and how they are implemented, as well as the past and present state of internet censorship in Ireland and Iraq.

The secondary objective of this phase was to research internet censorship at a global level and how user privacy has evolved since the internet became available globally.



Literature Review



Censorship Mechanisms

- IP Blocking
- DNS Interference
- Deep Packet Inspection
- Transport Layer Security
- Internet Blackouts

Ireland vs. Iraq



Ireland

- Limited Internet Censorship
- Mainly targets illegal and pirated content

Iraq

- Extensive Internet Censorship
- Frequently blocks social media sites and implements internet blackouts during unrest
- Internet infrastructure closely controlled by the government

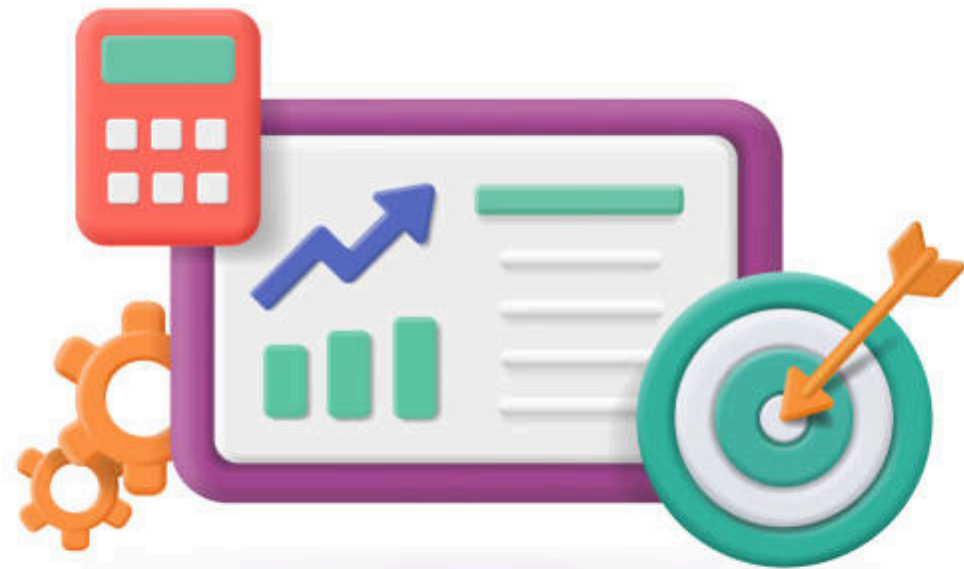


Circumvention

To combat censorship users can make use of a number of publicly available tools. These include the Tor Browser, Virtual Private Networks (VPNs), and proxy solutions such as Psiphon.



Current Project Status



Introduction

- Privacy and Global Censorship research completed
- Abstract not started

Literature Review

- Nearly Completed

Methodology

- OONI tests researched
- Methods in-progress

Virtual Machine Testing

- VMs setup - testing not started

Results & Analysis

- Not Started

Conclusions

- Security & Privacy considerations in-progress
- Conclusions not started



The bulk of the remaining work is using the OONI probe to run tests in Ireland and Iraq and then comparing the gathered data to past data from the OONI project.

Following that:

- Conduct data analysis
- Draw conclusions
- Write an Abstract
- Write Conclusions
- Polish the Literature Review
- Complete full spelling and grammar check

Future Work and Tasks





Thank You