

# Framework to test against Quantum Computing

**Authors:**

**Atish Jootun**

**Poshan Peeroo**

**Kevin Yerkiah**

**Co-Author:**

**Mr Anwar Chutoo**

**Affiliation:**

**University of Mauritius / Cyberstorm**

# Executive Summary

- **This Research analyses websites TLS servers**
- **This project can be scaled to other countries as well**
- **Rigorous validation of IP was done**
- **All the code is Open-Sourced and available on GitHub**

**GitHub Link: [https://github.com/AtishJoottun/Tldr\\_fail\\_testing](https://github.com/AtishJoottun/Tldr_fail_testing)**

# The TLDR Bug?

## What is it?

- (TL;DR: Too Long; Didn't Read).
- documented by David Benjamin in `tldr.fail`
- Reject connection made by large TLS ClientHello
- Does not negotiate for Classical Cryptography
- Closes the connection completely

## Why does this happen?

- Misconfigured TLS servers
- Middle Box or Firewall flagged the packets
- A flawed TLS server can not read the multiple packets of Client Hello

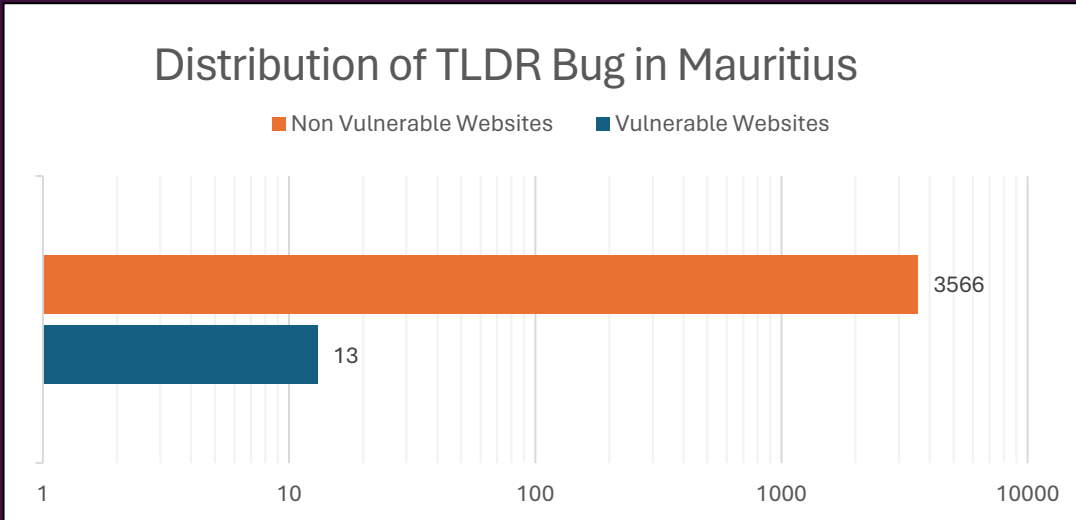
# The testing of the IPs

**Our process to analyze the websites are:**

- **IP Addresses Collection**
- **Scalable Data Processing**
- **IP Validations**
- **Testing The IP for the TLDR Bug**

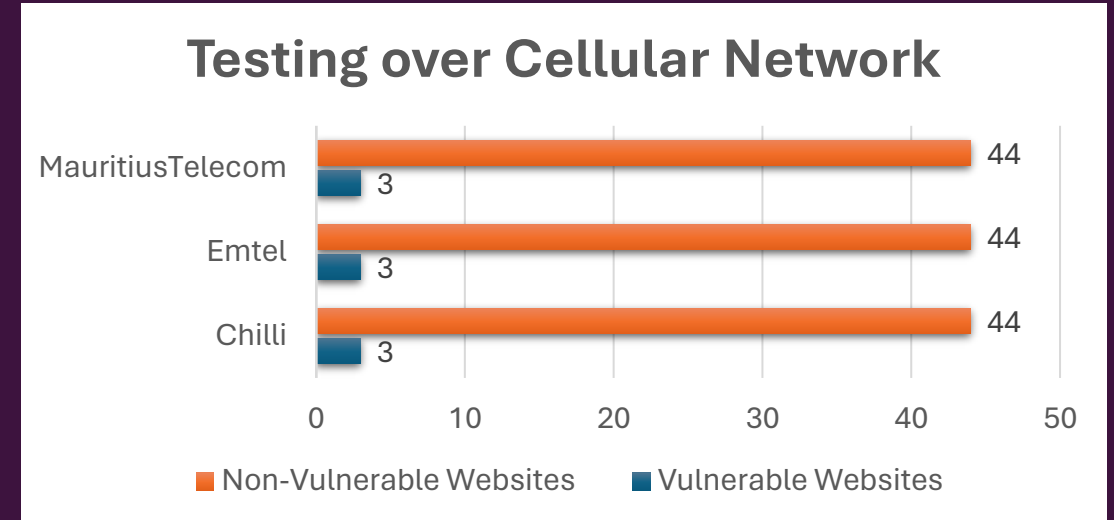
# The Results

## Mauritius IP ranges



**6 out of 13 : Emtel-Mobile-BDR**  
**7 out of 13: Emtel-Mobile-ASN**

## Most Popular Websites In Mauritius



**Tested with 3 different ISPs**  
**For each, 3 out of 47 Failed**