2020-07-07 Internet Day Bahrain 2020

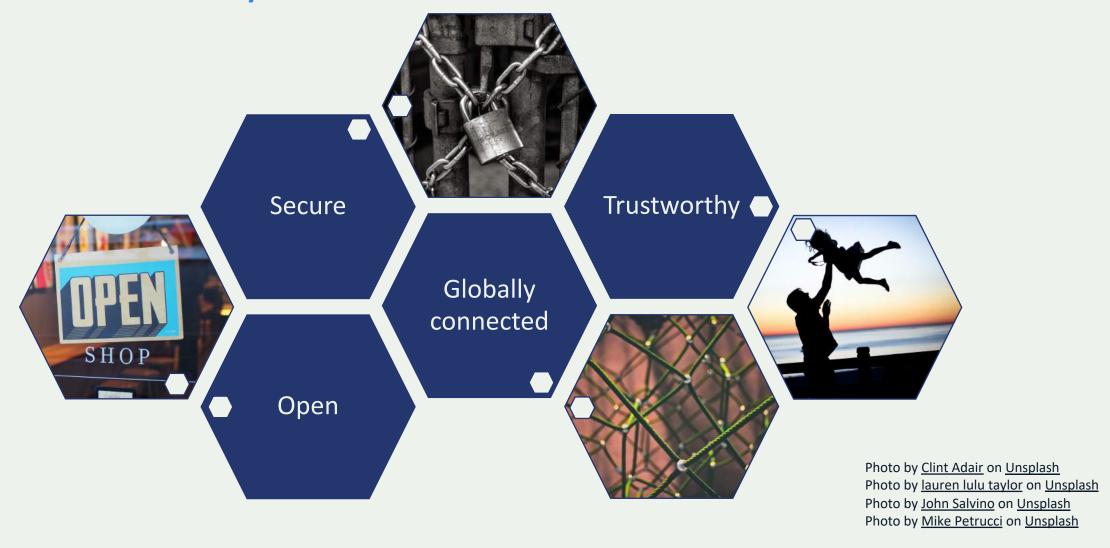


Insights from Internet Measurement

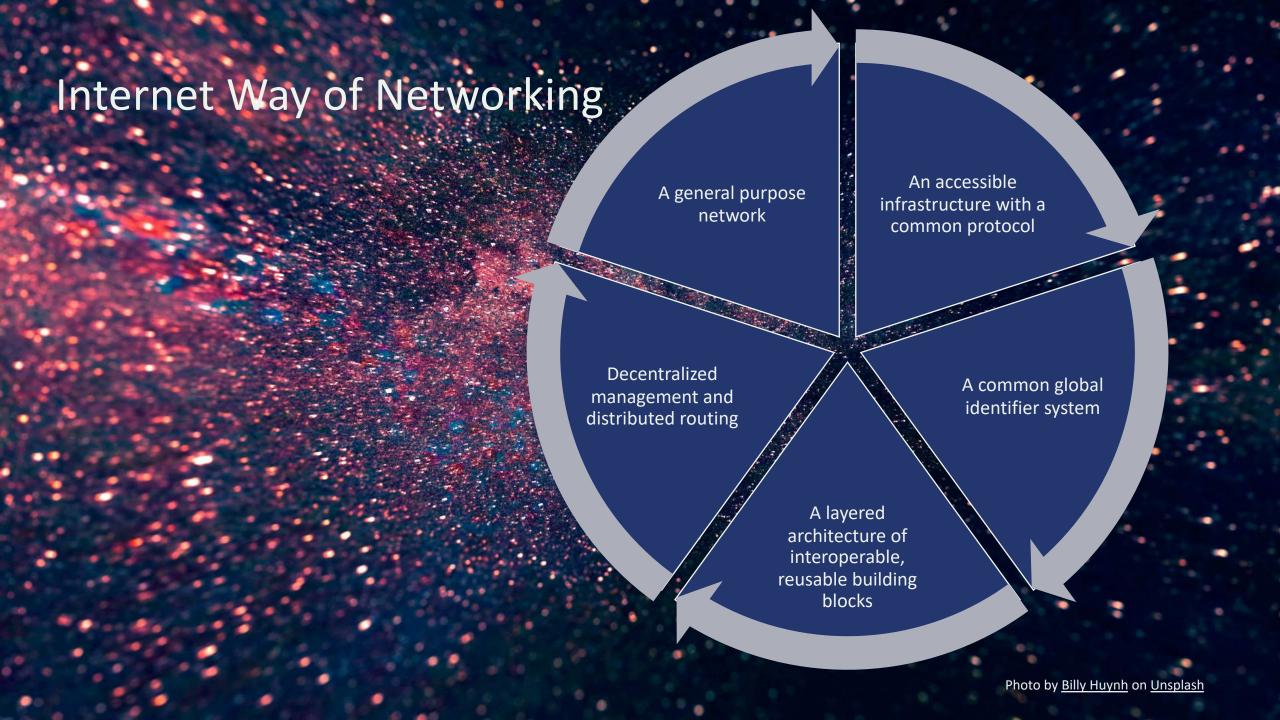


Mat Ford
Technology Program Manager
ford@isoc.org

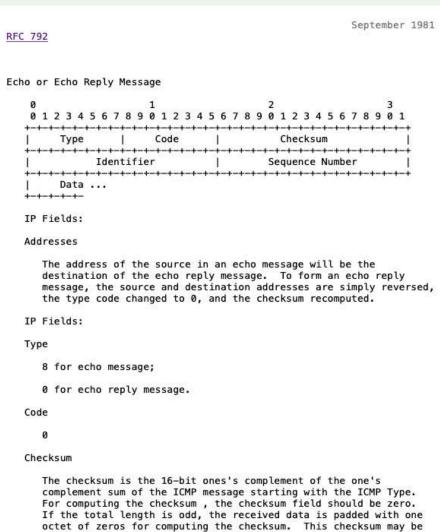
# **Internet Society Goals**







# Open networks are measurable





replaced in the future.

Identifier

If code - 0 an identifier to aid in matching echas and replies

```
🌃 madofo — -zsh — 80×24
Last login: Mon Jul 6 08:48:11 on ttys009
You have mail.
madofo@ISOC-EARHV29 ~ %
```

Internet infrastructure: macro view 69,000 networks and growing Independent networks No overall authority If you can find a network to connect to, you're on the Internet



#### Bahraini Internet infrastructure



IPv6

• Little to no detectable deployment



DNSSEC

• .bh zone signed, but no DS in root



ISP diversity and upstream provision

Diverse ISP landscape and upstream connectivity

International connectivity

• Connected to multiple submarine cable networks

IXP

Manama-IX established 2019 in partnership with AMS-IX

Local content infrastructure

Amazon datacenter now online



# Measuring the Internet - Why?

Bridge the gap between academic networking research and non-scientific audiences (journalists, public policymakers, researchers)

Be a trusted source of information about the Internet – make good, relevant data and interpretations easier to find, share, and reuse.

Help to inform and support other Internet Society projects & communities of interest.

## Measuring the Internet – What?

To help everyone gain deeper insight into the Internet, we're building a tool that consolidates trusted third-party Internet measurement data from various sources into a single platform.

We'll use this data to examine trends, generate reports, and tell data-driven stories.

The platform will be available to everyone, everywhere so that policymakers, researchers, journalists, network operators, civil society groups and others can better understand the health, availability, and evolution of the Internet.





### Measuring the Internet – How?

#### Four Focus Areas:

Internet Shutdowns, Enabling Technologies, Internet Way of Networking (IWoN), Internet Resilience (Africa)

Work with partners, e.g. CAIDA, RIRs, Oracle

Consume and process third-party data

#### Promote:

RightsCon 2020 2021 (Costa Rica)
Internet Research Task Force
ACM Internet Measurement Conference
Other events, as appropriate





# Thank you.

Mat Ford
Technology Program Manager
ford@isoc.org

Rue Vallin 2 CH-1201 Geneva Switzerland 11710 Plaza America Drive Suite 400 Reston, VA 20190, USA

Rambla Republica de Mexico 6125 11000 Montevideo, Uruguay 66 Centrepoint Drive Nepean, Ontario, K2G 6J5 Canada

Science Park 400 1098 XH Amsterdam Netherlands 3 Temasek Avenue, Level 21 Centennial Tower Singapore 039190

internetsociety.org @internetsociety

