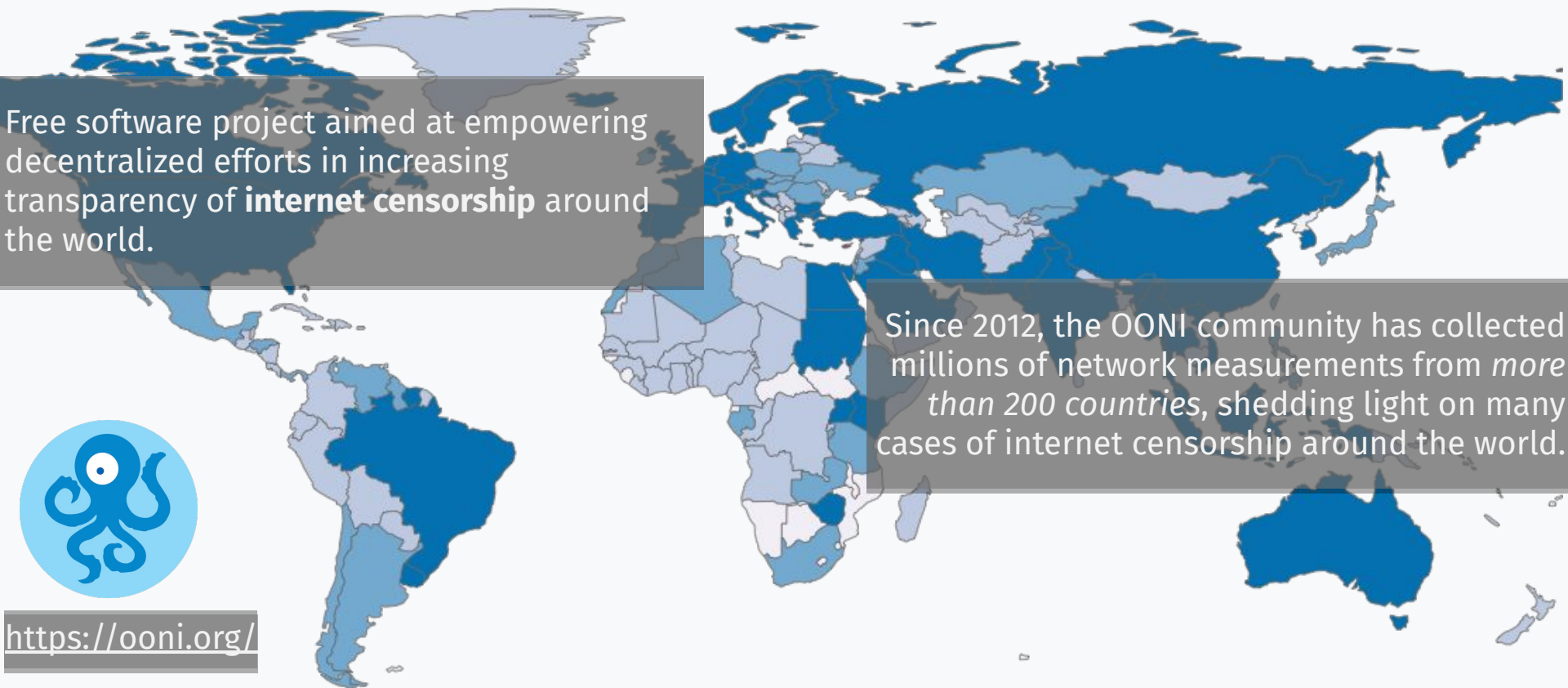


Measuring Internet Censorship



OONI

A world map with various countries shaded in different shades of blue. Darker blue indicates regions where OONI has collected more measurements, while lighter blue indicates regions with fewer measurements. The map is the background for the top two text boxes.

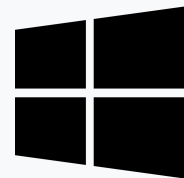
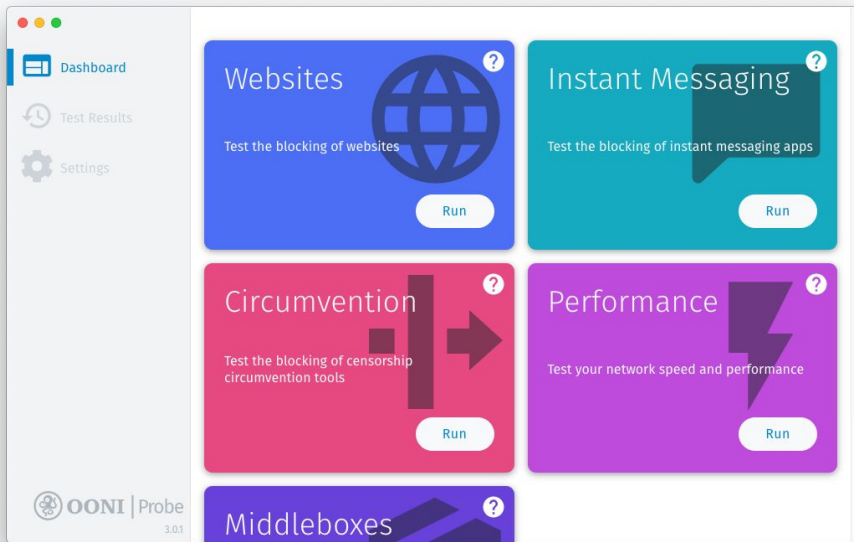
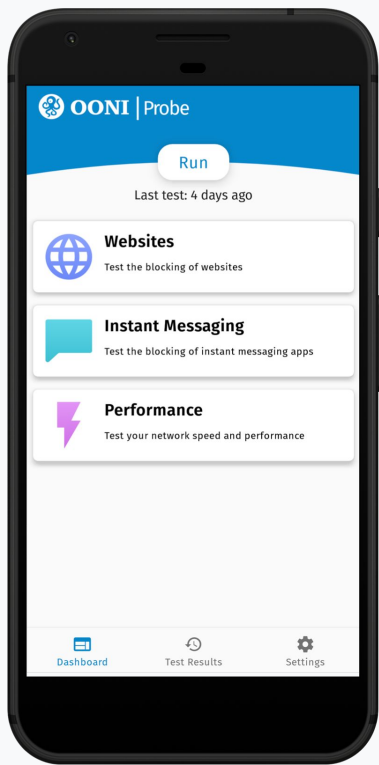
Free software project aimed at empowering decentralized efforts in increasing transparency of **internet censorship** around the world.

Since 2012, the OONI community has collected millions of network measurements from *more than 200 countries*, shedding light on many cases of internet censorship around the world.



<https://ooni.org/>

OOONI: Open Observatory of Network Interference



<https://ooni.org/install/>

OOONI Probe

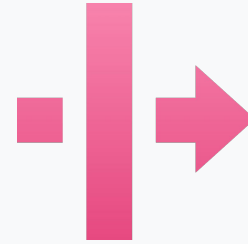
github.com/ooni



Blocking of websites



Blocking of instant messaging apps



Blocking of censorship circumvention tools



Measurement of network speed & performance

OONI Probe Tests

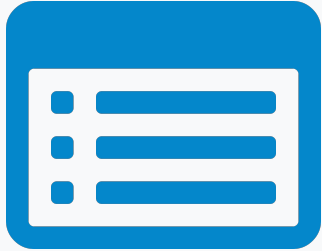
<https://ooni.org/nettest/>

- **OONI Probe is not a privacy tool.** Anyone monitoring your internet activity (e.g. ISP) will know that you are running OONI Probe.
- Types of tested URLs include provocative or objectionable sites (e.g. pornography).
- By default, OONI measurements are openly published.

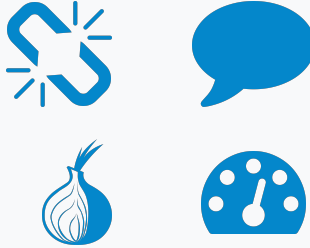
<https://ooni.org/about/risks/>

Heads up!

Contribute to test lists



Types of test to run



Privacy settings

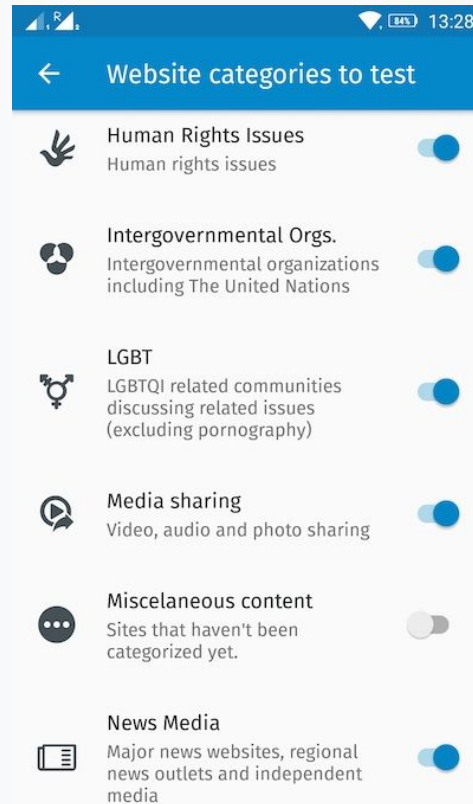
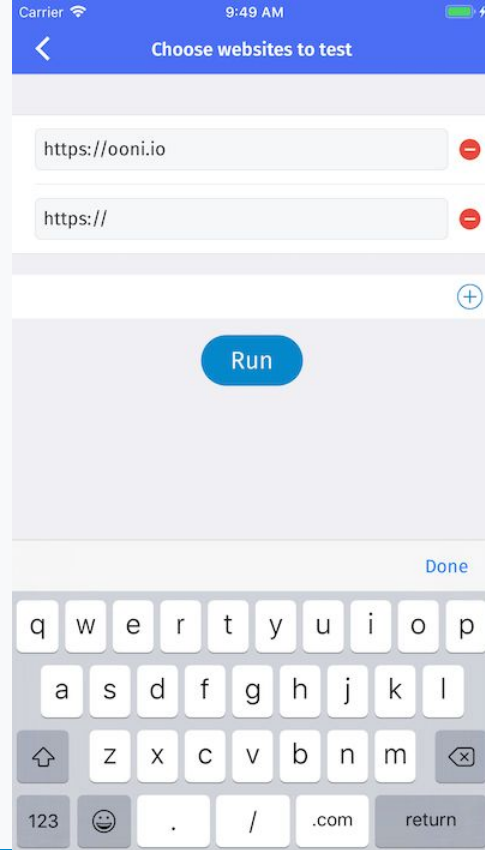


<https://ooni.org/about/data-policy/>

Choices you can make

- **Global list:** Internationally relevant websites
- **Country-specific lists:** Websites that are relevant to a specific country
- **How to contribute to test lists:**
<https://ooni.org/get-involved/contribute-test-lists/>
- **Citizen Lab GitHub repo:**
<https://github.com/citizenlab/test-lists>

**Citizen Lab test lists:
Websites tested by OONI Probe**



Choose which websites to test



OONI | Run

Let's fight internet censorship together!

Test Name

Internet Censorship

- ☒ Web Connectivity
Check if websites are blocked.
[Learn how this test works here](#)

Speed & Performance

- ☐ NDT Speed Test
☐ DASH Video Streaming

Middleboxes

- ☐ HTTP Invalid Request Line
☐ HTTP Header Field Manipulation.

What you can do

Generate a link and share it with your friends and contacts around the world. Encourage them to run OONI Probe to test the sites of your choice!

URLs

http://



+ Add URL

GENERATE

<https://run.ooni.io>

Coordinate OONI Probe testing

OOONI | Explorer

Uncover evidence of internet censorship worldwide

Open data collected by the global OONI community

Explore

280.1M Measurements 233 Countries 17.9k Networks

OOONI Explorer is an open data resource on internet censorship around the world. Consisting of millions of network measurements collected from more than 200 countries since 2012, OONI Explorer sheds light on internet censorship and other forms of network interference worldwide.

Confirmed Blocked 15 (10%)

Accessibly 10 (20%)

Accessible 25 (50%)

Blocking of Websites & Apps

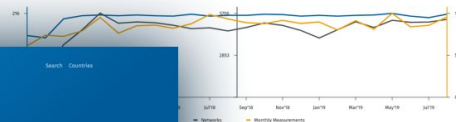
Check the blocking of websites around the world. Explore data on the testing of WhatsApp, Facebook Messenger, and Telegram.

Search

Dig through OONI measurements with a powerful search tool. Filter results to view measurements that present network anomalies by countries, networks, and date range.

Monthly coverage worldwide

Last month, OONI Probe was run 9,854,219 times on 5,379 networks in 214 countries. Explore the monthly usage of OONI Probe through the stats below.



Highlights

Work measurements collected from more than 200 countries. OONI Explorer is updated with new measurements!

Some highlights through OONI data.

Venezuela

2019 presidential crisis

Blocking of Wikipedia and social media

Explore Read Report

Zimbabwe

2019 fuel protests

Social media blocking and internet blackouts

Explore Read Report

Spain

Catalonia 2017 independence referendum

Blocking of sites related to the referendum

Explore Read Report

Iran

2018 anti-government protests

Blocking of Telegram, Instagram and Tor

Explore Read Report

Pakistan

2017 protests

Blocking of news websites and social media

Explore Read Report

Uganda

2016 general elections

Blocking of social media

Explore Read Report

OOONI Explorer

<https://explorer.ooni.org/>

- **Normal.** When everything is OK (e.g. tested website is accessible).
- **Anomalous.** Signal that something is wrong (we should check the measurement data more carefully). Anomalous measurements MIGHT contain evidence of censorship, but not necessarily (i.e. false positives).
- **Confirmed blocked.** We only *automatically confirm* the blocking of a website when we detect a **block page**.

Interpreting the data

Country

Iran

ASN

e.g. AS30722

From

Until

2019-09-10

Test Name

Any

Domain

e.g. twitter.com

Status

☐ All Results☒ Confirmed☐ Anomalies

Filter Results

IR		AS 44244	2019-09-10	Web Connectivity	http://www.muhammadanism.com/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://www.hemid.com/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://ayatesheyani.blogdrive.c.../	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://www.sobhiran.com/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://www.akhbar-rooz.com/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://mihan.net/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://www.webwarper.net/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://kodoiin.blogspot.com/	Confirmed
IR		AS 44244	2019-09-09	Web Connectivity	http://www.bahmanagha.blogspot.c.../	Confirmed

OONI Explorer: Confirmed blocked

Welcome to the OONI API

Dynamically updated every day, the OONI API enables researchers and data scientists to analyze all data collected from OONI Probes around the world.

Download and search [OONI Probe](#) network measurements.

As the OONI API is not designed for batch consumption of OONI data, please use it for a modest request rate. If you are interested in analyzing OONI data in batch, please look into [setting up an OONI PostgreSQL MetaDB instance](#) or fetching the whole OONI dataset from the [ooni-data Amazon S3 bucket](#). If in doubt [contact the OONI team](#).

READ THE API DOCS



contact@openobservatory.org



<https://slack.ooni.org/>



[@OpenObservatory](https://twitter.com/OpenObservatory)

Contact