OONI

Founded in 2012, the **Open Observatory Network Interference (OONI)** is a free software project aimed at empowering decentralized efforts in increasing transparency of internet censorship around the world. For more than a decade, the OONI community has contributed **more than a billion network measurements** from more than **241 countries and territories**, shedding light on **many cases of internet censorship** around the world. All these measurements were contributed through the use of OONI Probe.
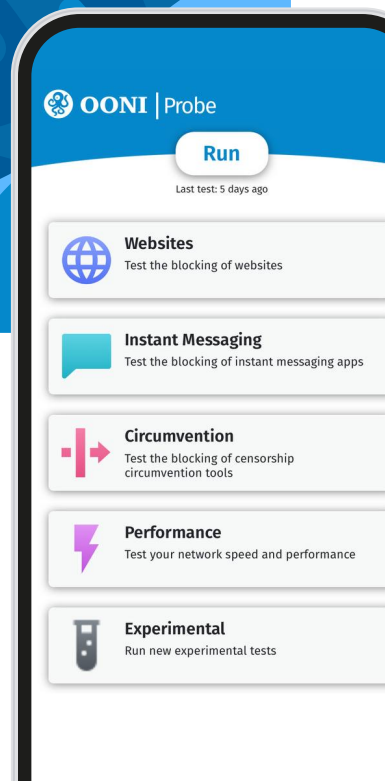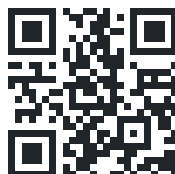
Measuring Internet Censorship

OONI | Probe

OONI Probe is free and open source software designed to measure internet censorship and other forms of network interference. OONI Probe runs a variety of network measurement tests to check the following:

1 Blocking of websites

2 Blocking of instant messaging apps such as WhatsApp, Facebook Messenger, Signal and Telegram

3 Blocking of circumvention tools

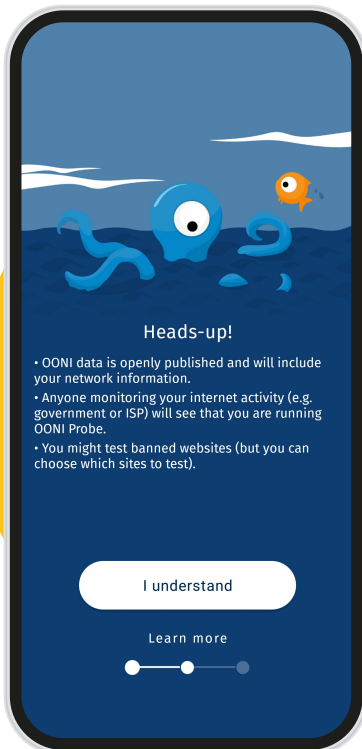**4** Speed and performance of your network

5 Presence of middleboxes

Get the OONI Probe app on Mobile and Desktop:

GET IT ON Google Play

Download on the App Store

GET IT ON F-Droid

GET IT ON Desktop

OONI | Probe

Run

Last test: 5 days ago

Websites
Test the blocking of websites

Instant Messaging
Test the blocking of instant messaging apps

Circumvention
Test the blocking of censorship circumvention tools

Performance
Test your network speed and performance

Experimental
Run new experimental tests

How to contribute?

To contribute measurements automatically every day, please enable **Automated testing** through the settings of your OONI Probe app.

This will help the internet freedom community to monitor and respond to emergent censorship events!

Automated testing

Run tests automatically
Number of automated tests: 116.
Last automated test: 03-09-2022 23:37.

Only on WiFi

Only while charging

By enabling automatic testing, OONI Probe tests will run automatically multiple times per day. Your test results will automatically get published on OONI Explorer: https://explorer.ooni.org/

Important: If you have a VPN enabled, OONI Probe will not run tests automatically. Please turn off your VPN for automated OONI Probe testing. Learn more: https://ooni.org/support/faq/#can-i-run-ooni-probe-over-a-vpn

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Heads-up!

• OONI data is openly published and will include your network information.
• Anyone monitoring your internet activity (e.g. government or ISP) will see that you are running OONI Probe.
• You might test banned websites (but you can choose which sites to test).
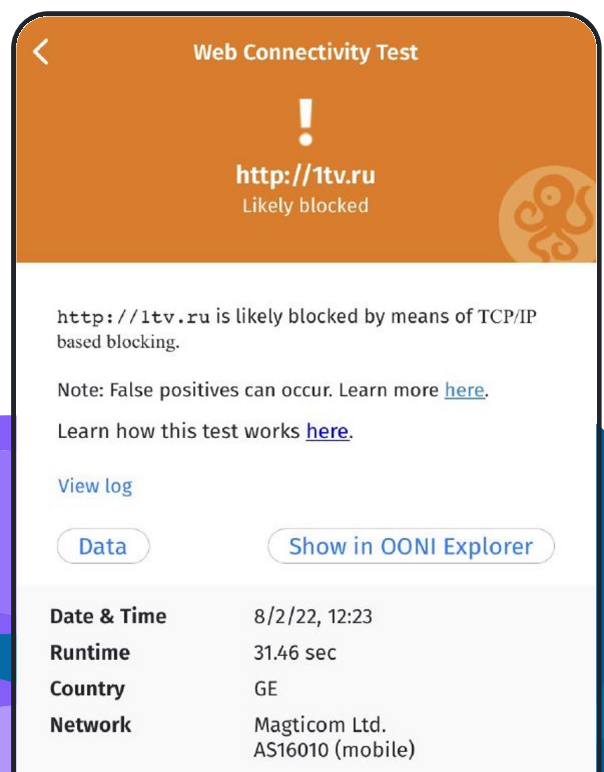
I understand

Learn more

⊘ Heads-up!

Please **turn your VPN off** when running OONI Probe to help ensure more accurate test results.

Learn more through our user guides for OONI Probe Mobile, OONI Probe Desktop, and OONI Probe CLI.

Disclaimer:
Running OONI Probe **can potentially be risky** in certain countries. Learn more about potential risks.
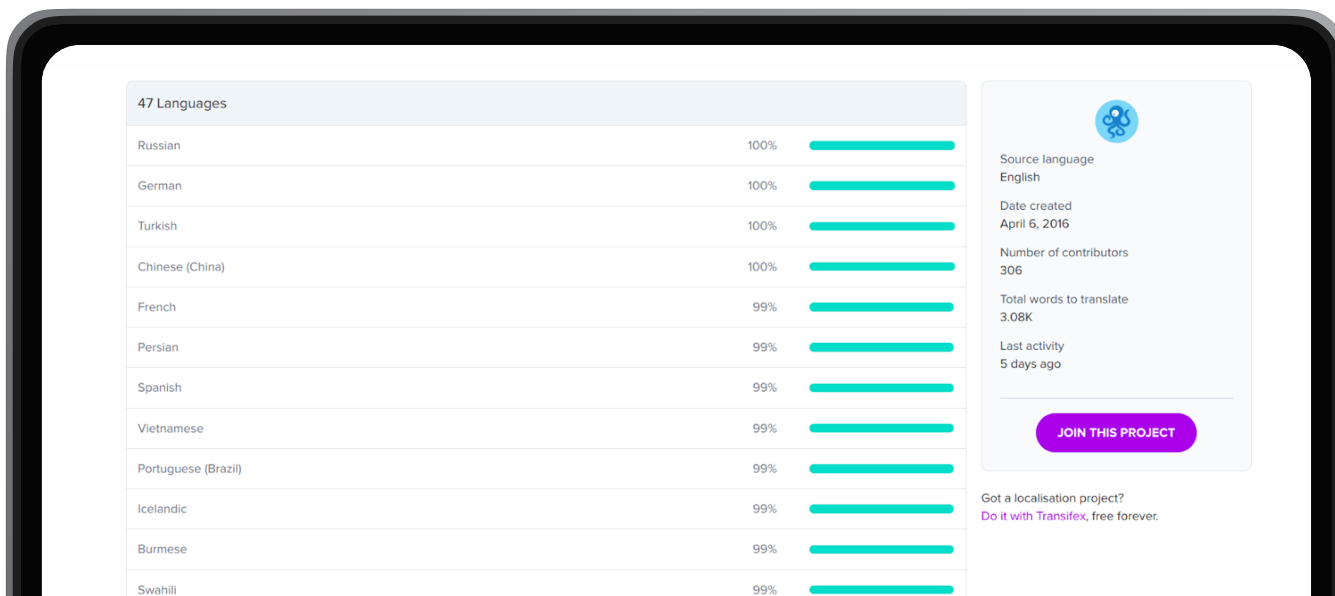

As soon as you run OONI Probe, you will immediately have access to the test results in the app. Along with an overview of the test result (for example, a tested website is blocked), you will have access to the raw network measurement data. Your test result will be published as open data in real-time.

Web Connectivity Test

!

http://1tv.ru
Likely blocked

http://1tv.ru is likely blocked by means of TCP/IP based blocking.

Note: False positives can occur. Learn more here.

Learn how this test works here.

View log

Data   Show in OONI Explorer

Date & Time   8/2/22, 12:23
Runtime   31.46 sec
Country   GE
Network   Magticom Ltd.
                AS16010 (mobile)

Localizing OONI tools

Thanks to the Localization Lab community, OONI tools are **translated into multiple languages**. If you would like to review and/or contribute an OONI tools translation, please sign up with Transifex:
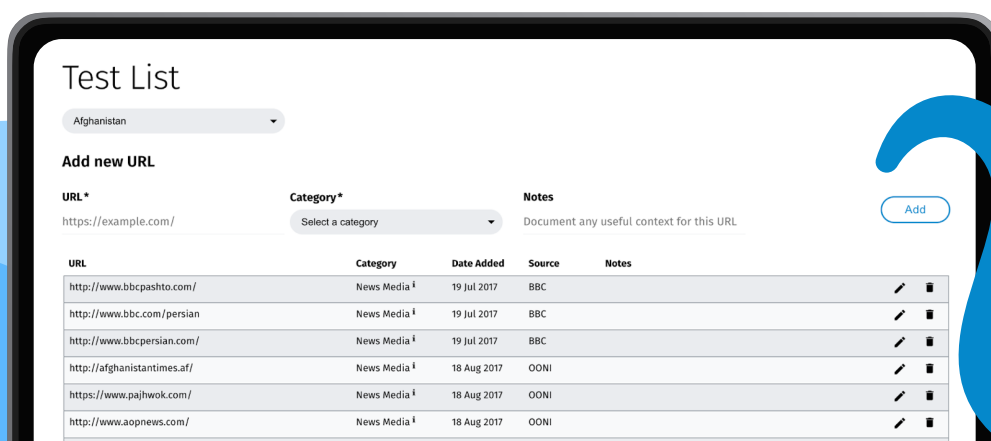**https://explore.transifex.com/otf/**

Contributing websites for censorship testing

OONI Probe tests a wide range of websites included in public "test lists", hosted by the Citizen Lab on GitHub. We encourage you to review and contribute to these lists to help ensure that relevant websites are tested for censorship.

You can contribute websites for censorship testing through OONI's Test Lists Editor, or on GitHub.

Learn how to use the Test Lists Editor through our user guide:
**https://ooni.org/support/test-lists-editor**

Coordinating with other OONI Probe users on website censorship testing

You may be interested in having websites tested for censorship in *different* countries or networks. In this case, you can use the OONI Run platform to generate a link for the testing of websites that you care about, and share that link with other OONI Probe Mobile App users who can perform the testing.

Learn how to use the OONI Run platform through our user guide:
https://ooni.org/support/ooni-run
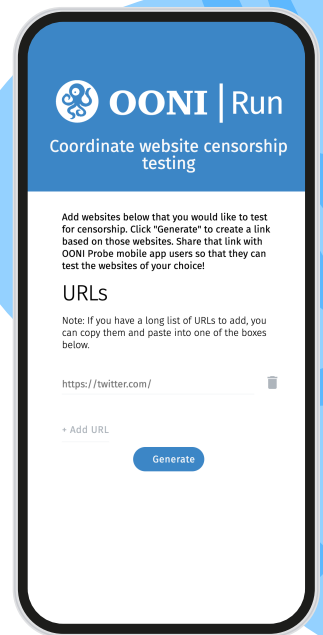
Investigating Internet Censorship with OONI data

In real-time, all OONI Probe test results are automatically published as open data on **OONI Explorer**: **the world's largest open dataset on Internet censorship**.

Spanning from 2012 to date, OONI data consists of **more than a billion network measurements collected from 241 countries**. Every minute, new measurements are published from around the world, shedding light on Internet censorship.

OONI | Explorer

OONI Explorer is a web platform through which you can explore OONI measurements collected from around the world: **https://explorer.ooni.org/**

The OONI Explorer Search Tool enables you to easily discover automatically **confirmed blocked websites** around the world, and to filter the data based on multiple parameters (e.g. date range, country, network, OONI Probe test, domain, website category).

Measurement Aggregation Toolkit (MAT)

OONI Explorer also includes a Measurement Aggregation Toolkit (MAT), which enables you to **create charts** based on aggregate views of real-time OONI data collected from around the world: **https://explorer.ooni.org/chart/mat**

Use the MAT to track and visualize Internet censorship worldwide!

Uncover evidence of internet c
worldwide

Open data collected by the global OONI community

Explore

1295.6M
Measurements

241
Countries

25.4k
Networks

Performing your own analysis

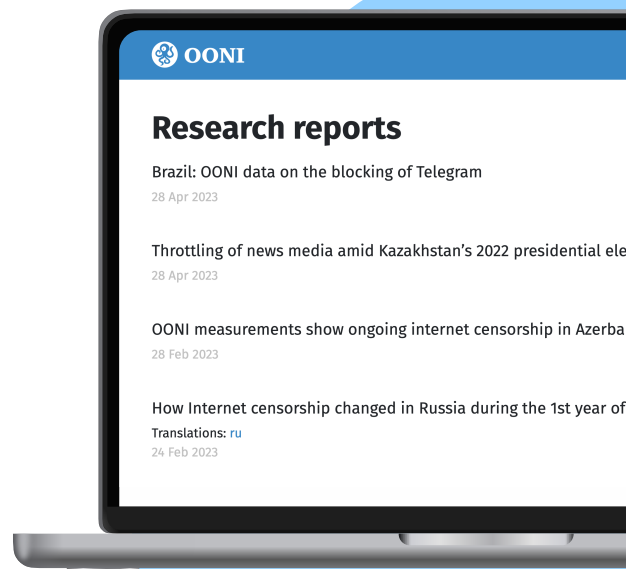If you would like to perform your own analysis, you can download raw OONI data in JSON format from the **OONI API**: **https://api.ooni.io/**

For batch analysis, you can fetch the whole OONI dataset from our Amazon S3 bucket.

Research on Internet censorship

Since 2012, OONI published more than 75 reports documenting Internet censorship worldwide: **https://ooni.org/reports**

Almost all of these reports involve the analysis of OONI data, while many were produced in collaboration with our partners.

Research reports

Brazil: OONI data on the blocking of Telegram
28 Apr 2023

Throttling of news media amid Kazakhstan's 2022 presidential ele
28 Apr 2023

OONI measurements show ongoing internet censorship in Azerba
28 Feb 2023

How Internet censorship changed in Russia during the 1st year of
Translations: ru
24 Feb 2023

Join our community, there are many ways to [get involved](#)!

Since 2016, OONI has established partnerships with many digital rights organizations: https://ooni.org/partners

Participate in community discussions on [Slack](#), follow us on [Twitter](#), and [run OONI Probe](#) to help increase transparency of internet censorship!

Contacting OONI

If you have questions, please feel encouraged to reach the OONI team by sending an email to contact@openobservatory.org.

You can also reach the OONI team (and global OONI community) on Slack: https://slack.ooni.org/