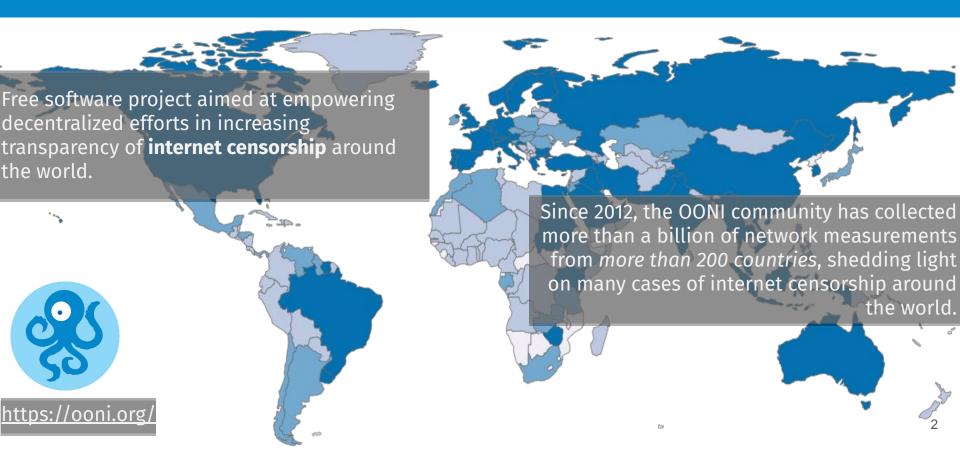
### IETF 115 - IAB Open

## OONI Censorship Measurements in Iran

Simone Basso (OONI)



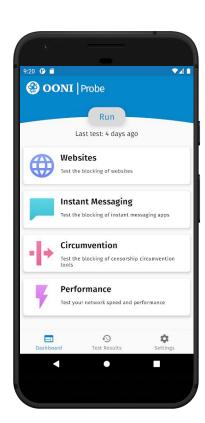
### OONI: Open Observatory of Network Interference

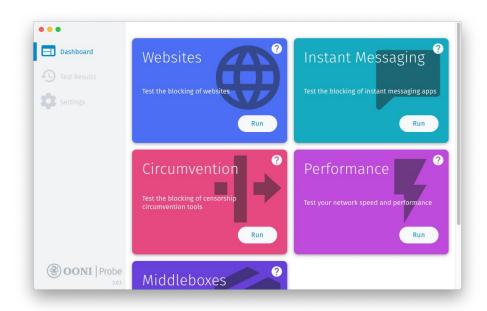


## OONI Probe (https://ooni.org/install)





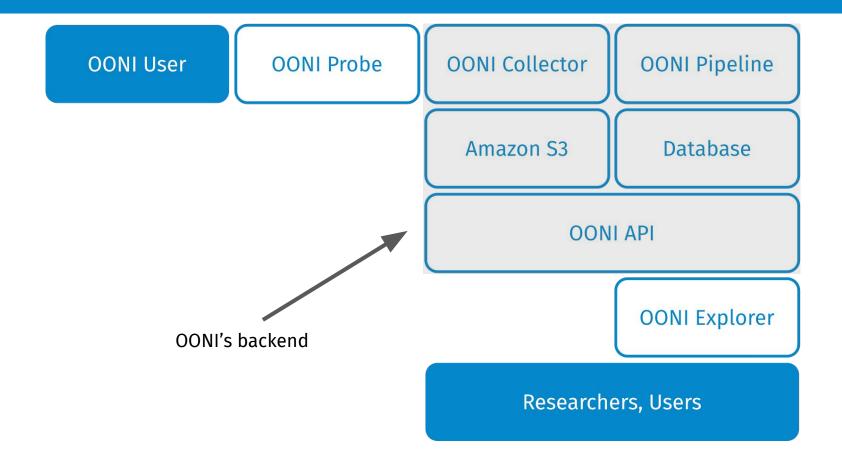








#### Value Chain of a OONI Measurement



## https://explorer.ooni.org/chart/mat

## OONI Measurement Aggregation Toolkit (MAT)

Create charts based on aggregate views of real-time OONI data from around the world

Country	ASN	From Until	X Axis Y Axis	
All Countries	▼ AS1234	2022-10-08 2022-11-08	Measurement Day ▼	•
Test Name	Domain	Input	Website Categories	
Web Connectivity	▼ twitter.com	https://fbcdn.net	/robots.txt ALL	-
Show Chart				

## https://ooni.org/reports

# Iran blocks social media, app stores and encrypted DNS amid Mahsa Amini protests

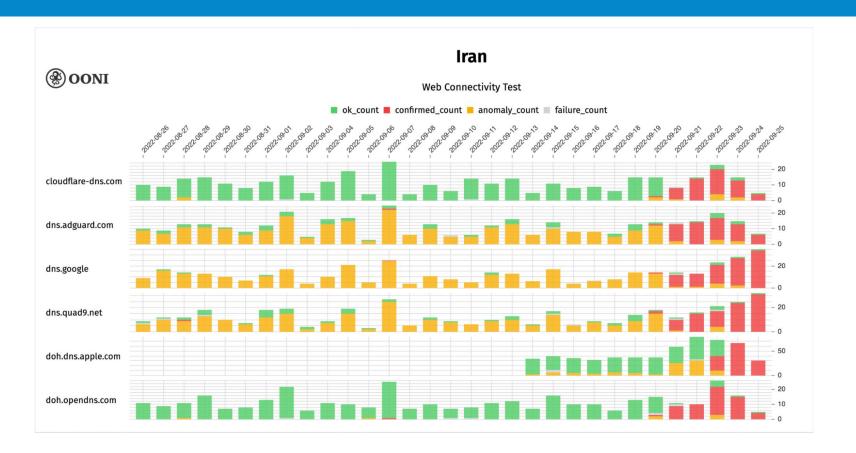
Simone Basso (OONI), Maria Xynou (OONI), Arturo Filastò (OONI), Amanda Meng (IODA - Georgia Tech), 2022-09-25

Protests erupted in Iran over the last week following the death of Mahsa Amini, a 22-year-old Kurdish woman who was reportedly beaten to death by Iran's morality police for allegedly violating strict hijab rules. Amid the ongoing protests, which have reportedly resulted in at least 31 civilian deaths, Iranian authorities cracked down on the internet in an attempt to curb dissent.

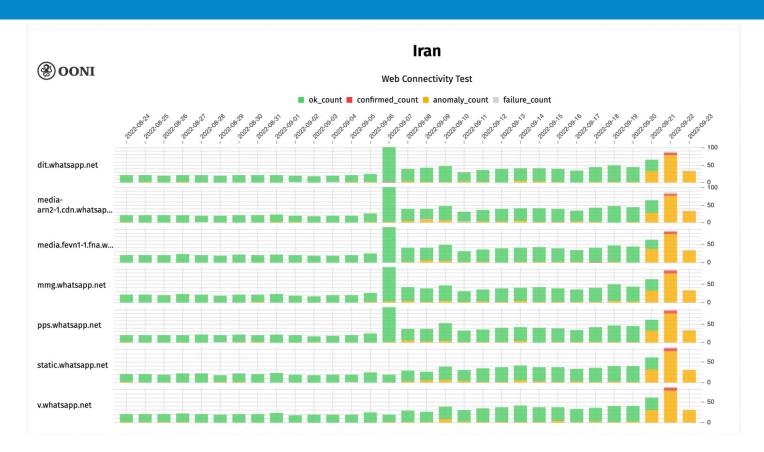
Over the past week, Iran experienced severe mobile network outages, in addition to increased levels of internet censorship. In this report, we share OONI network measurement findings from Iran on the blocking of WhatsApp, Instagram, Linkedin, Skype, Google Play Store, Apple App Store, and encrypted DNS (DNS over HTTPS). We also share IODA and Cloudflare Radar data on mobile network outages over the last few days.

https://ooni.org/post/2022-iran-blocks-social-media-mahsa-amini-protests/

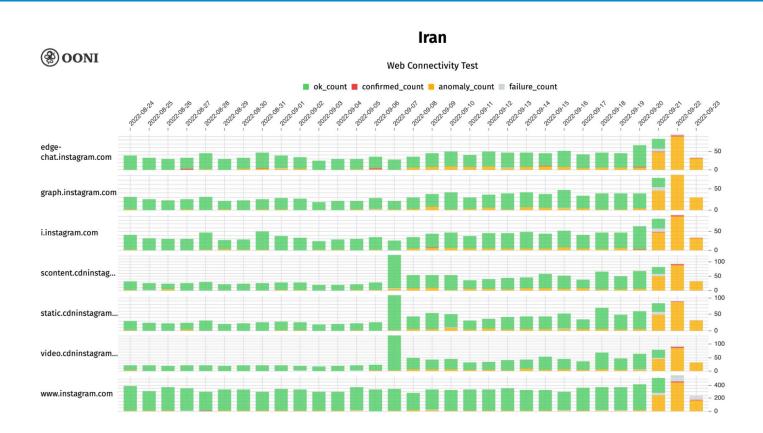
#### **DNS over HTTPS**



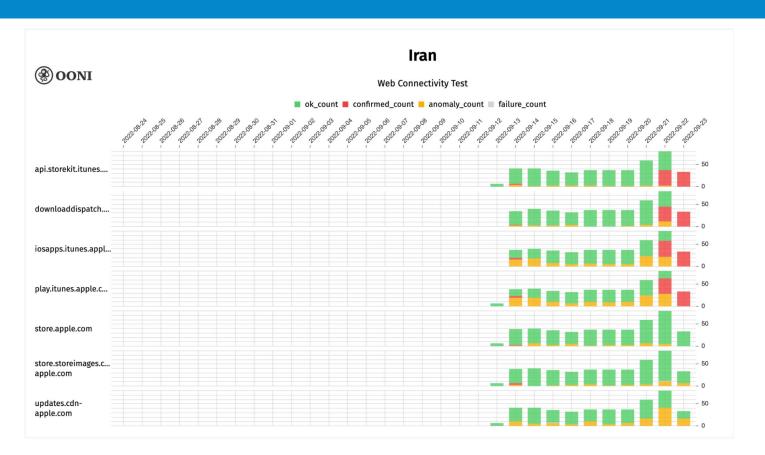
## WhatsApp



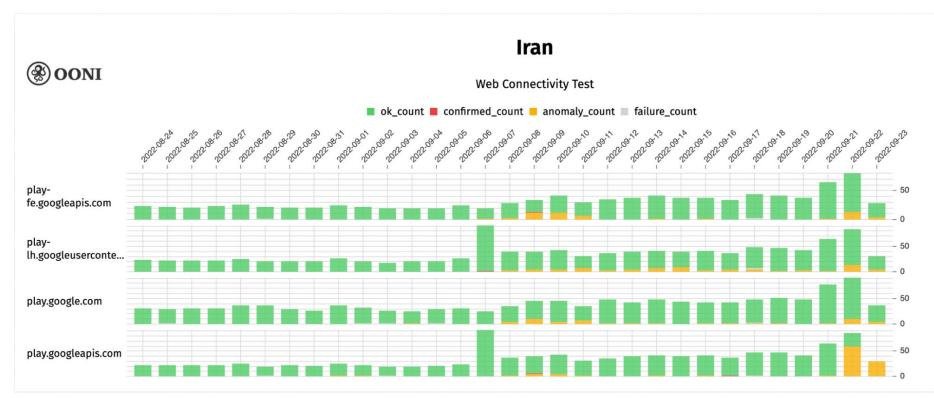
## Instagram



## Apple's App Store



## Google's Play Store



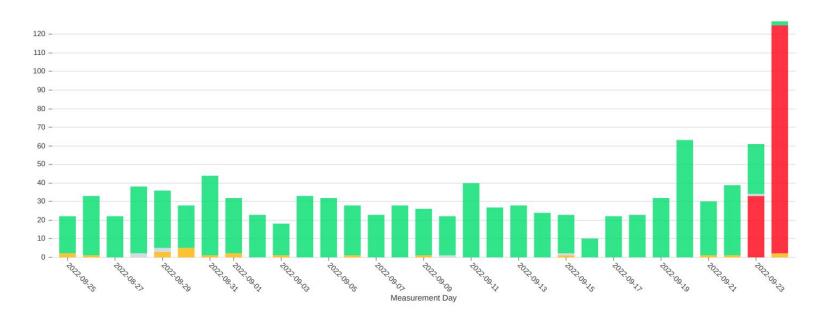
### LinkedIn



#### Iran

Web Connectivity Test, www.linkedin.com





## Thank you!



contact@openobservatory.org



https://slack.ooni.org/

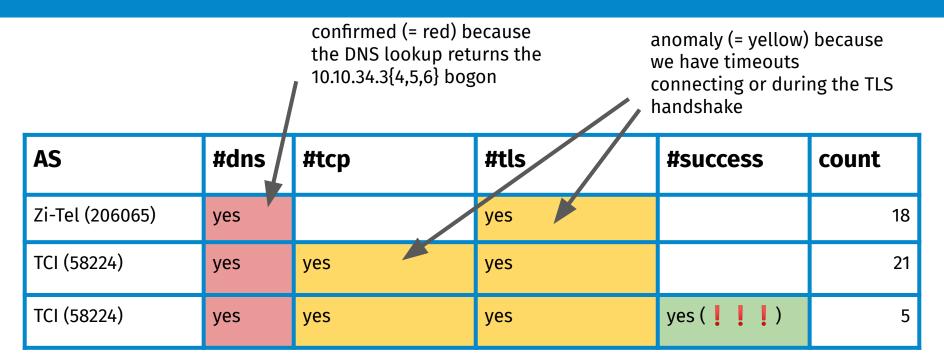


@OpenObservatory



https://github.com/ooni

## [DoH] Explaining color shift w/ doh.dns.apple.com



Subset of the data collected on 24 September 2022 for doh.dns.apple.com.

We reduce multiple failures. Confirmed is stronger than anomaly. So we see the plot turning red.