(vesna: 10-4-2020: I've imported the previous version of the pad because someone translated the whole thing in Polish..... sorry if something was lost in this import...)

RIPE NCC Hackathon : **Internet Health Measurements**

(20 March 2020) Initial announcement: https://labs.ripe.net/Members/becha/hackathons-in-the-time-of-corona

The next weekly video chat will take place on Monday 20. April at 3PM CEST (on Jitsi)
 https://jitsi.hamburg.freifunk.net/WiseGeeseUniteCarefully
Chat channel: slack.ooni.org / #oon-dev

To join the chat platform you can get an invite by visiting: https://slack.ooni.org/ and then join the #ooni-dev channel. (the channel is also bridged with irc.oftc.net #ooni-dev)

Active projects:

* # Atlas delay analysis First prototype here: https://ihr.iijlab.net/ihr/en-us/covid19

* Mining OONI data looking for potential blocking of public health related websites:
https://github.com/citizenlab/test-lists/blob/master/lists/00-LEGEND-new_category_codes.csv#L13,
https://ooni.org/data/

* Improving documentation and guidance on performing network measurements related to networks interference.
 https://magma.lavafeld.org/

Participants
* Emile data analyst RIPE NCC
* Romain Fontugne Researcher at IIJ
* Alexander Isavnin, researcher at Russia Internet Protection Society
* Federico Ceratto, OONI https://ooni.org
* Arturo Filastò, OONI,
* Vasilis Ververis, magma guide, https://magma.lavafeld.org (
* ~~Alexandros Milolidakis, PhD student at KTH Royal Institute of Technology~~
  (I remove myself due my limited time to help at the moment.)
* Marcel Flores, Researcher at Verizon Digital Media Services
* Aaron Kaplan, CERT.at / nic.at GmbH,
* Henrik Kramselund Jereminsen internet samurai

Organisers
* Vesna Manojlovic, RIPE NCC:

Facilitators
* Maria (ooni) : thanks for the slack & outreach! (Vesna)

PROJECTS IDEAS

Idea
* I (emile) am looking at RIS data already for signals of Internet health or not.
* get mlab data about bandwidth measurements (or others? Netflix?) and try to see patterns (collab w mlab).
similar to Ookla speedreport, but now with open data and open methodology. Particularly interested in outliers.
* See shifting patterns in RIPE Atlas data? Congestion?
* Collect up resources that provide useful analysis about the state of the Internet
* Can we help measure (Atlas?) where people should put their decentralised video conferencing server (Jitsi?),
given that we know what networks the participants will be

* Look at pattern changes in Top lists (Alexa, Umbrella)
  * https://toplists.github.io/

* Review the CitizenLab/tests-lists (used by tools like OONI Probe as test targets)and add websites relevant to COVID-19: https://ooni.org/get-involved/contribute-test-lists/
* Mine OONI data looking for potential blocking of public health related websites: https://github.com/citizenlab/test-lists/blob/master/lists/00-LEGEND-new_category_codes.csv#L13, https://ooni.org/data/
* OONI (Federico): Parse BGP tables dump provided by RIPE to generate ipaddr-to-ASN GeoIP lookup databases (MaxMindDB and CSV formats)
  * FLOSS tooling
  * Outputs are publicly shared on S3 and historical output are kept
  * Deterministic / reproducible. Daily database generation

* [from Jason Livingood, who has a conflict with this time] It would be interesting to provide a chart of latencies from Atlas probes and anchors over the past few weeks as well as a live view of the last 24/48/72 hours. This can help look at whether there are really increasing latencies due to work/study from home. This tool could enable someone to drill down into specific countries (DE, FR, etc.) or maybe even regions (Lombardy) as well as networks (ASN).

* Improving documentation and guidance on performing network measurements related to networks interference.
  https://magma.lavafeld.org/
  Vesna: I'll take a look & try to contribute to this

* Study Atlas coverage, to make suggestions to improve coverage, suggest more or most important location (arturo@ooni: this is cool and maybe some of the methods can be applied to evaluate OONI Probe coverage too!)

* Vesna's question: how does "working from home" impact NETWORK INFRASTRUCTURE? (can we see that from RIPE Atlas & RIS data?)

* Vesna: can we see the impact of the eathquake in Croatia on the Internet performace?

Amreesh (AFRINIC) joined on April 8,2020, we are interested to understand the impact on African networks.
Broad ideas:
* What is the impact of the lockdown on the Internet infrastructure in Africa? Are we seeing any congestion?
* Do we see different traffic levels at IXPs?
* What type of behaviour do we observe? More zoom usage? More netflix usage? More gaming?
* Are the behaviours the same for users on mobile broadband vs wired?
* What is the impact/difference for wired vs wireless Internet access?
* Have we seen major routing chances/impact with the lockdown?
* Are we observing any increase/decrease in other types of traffic for e.g. spam/virus
* Have mobile providers zero-rated important information on the pandemic?
* Are certain applications more privileged (traffic differentiation) amongst operators?

RESOURCES

OONI meta DB replica
Contact: anadahz (#ooni-dev) / magma@lavafeld.org

[Servers]
qankcy62lcglyipb4mlvp6wz3k5kth4bk5ad.onion
mirror.metadb.ooni.magma.lavafeld.org

[Database]
metadb

```
[User]
readonly


Connect with:
    psql -U readonly -h qankcy62lcglyipb4mlvp6wz3k5kth4bk5ad.onion -p 5433 metadb


# Atlas delay analysis
First prototype here: https://ihr.iijlab.net/ihr/en-us/covid19
e.g France: https://ihr.iijlab.net/ihr/en-us/covid19?country=France


# magma guide
https://magma.lavafeld.org
http://magma.ua4vjlx72wv5crhkificaeysp62hizhazipfshsdvs6jxqvhtkpllcad.onion/
```

TEAMS

OONI SLACK INFORMATION

Instructions to join the OONI Slack:
1. Sign-up here: https://slack.ooni.org/
2. Join **#ooni-dev** channel

OONI IRC INFORMATION (no need to register for an account)
#ooni-dev bridged with IRC (OFTC) (WebChat: https://www.oftc.net/WebChat/)

Meeting Notes:

   * Tuesday 14. April at 11:30 AM CEST (on Jitsi) -> see article for links:
https://labs.ripe.net/Members/becha/hackathons-in-the-time-of-corona

14 April 2020
This week's meeting was on a Tuesday, due to the Easter holidays. Five people gave updates on the progress of
their projects:
• Jasper is working on adding documentation about RIPE Atlas to magma-guide.
• Emile worked on the the "last mile latency per RIPE Atlas probe" data collection.
• Vasilis asked if it is possible to see the "middlebox pattern".
• Jasper's hint: The tracebox tool, presented in the following paper: Revealing Middlebox Interference with
  Tracebox, Proceedings of the 2013 ACM SIGCOMM conference on Internet measurement conference, October 2013.
• Amreesh's tip
• Vasilis is working on this OONI measurements collection
• Vesna's update:
• 1. new pan-european hackathon : 24, 25 and 26 April: https://euvsvirus.org
• 2. continuation of the Finland hackathon work-from-home-for-climate project moved to "brainstorm corner"
• 3. collecting great dataViz & analysis, not about internet measurements, but about number of deaths &
  infections cases
Articles published since the previous meeting:
• Ten Requirements for the Evaluation of Contact Tracing Apps
• Internet Usage Measurements in the Time of Corona

* Jitsi meeting, Monday 6th April

today we were with 4 people:

Results during the previous week:
Several articles published: https://labs.ripe.net/covid19
   by Romain & Emile: https://labs.ripe.net/Members/romain_fontugne/network-delays-in-times-of-corona
   by Vesna: https://labs.ripe.net/Members/becha/internet-measurements-in-the-time-of-corona

by Gary Stevens (?) https://labs.ripe.net/Members/gary_stevens_1/what-covid-19-means-for-network-security
Other RIPE community activities:

https://www.ripe.net/ripe/mail/archives/cooperation-wg/2020-April/001361.html

https://www.europol.europa.eu/publications-documents/pandemic-profiteering-how-criminals-exploit-covid-19-crisis

Larger projects, to do next week:
Vaslilis: will focus on Spain & Portugal; one ISP is blocking a cloudeflair DNS...
https://twitter.com/vaurdan/status/1245678863189004294
 OONI & Atlas: https://atlas.ripe.net/measurements/?page=1&search=description:cloudflare-dns.com#tab-dns
Romain: will look into Japan's upcoming lockdown, and Sweden's lack of lockdown (in IHR)
Vesna: working on pan-european hackathon , & globalhack
Vahan: coordinating communities in Armenia

Actions:
* Vesna: send Portuguese & spanish "country analysis" to Vasilis & dns-hackathon results
* Vesna: Send magma feedback to Vasilis
* Vesna: ask atlas-dev to help Vasilis with .pt & .es analysis
& maybe this one? https://atlas.ripe.net/api/v2/measurements/3558635/results/ & to: claudflare-dns.com
* Vasilis & Romain: if you want, share data with

* Jitsi meeting, Monday 30.3.

today we were just with 5 people; the notes with links is here:
https://labs.ripe.net/Members/becha/hackathons-in-the-time-of-corona

Several RIPE Labs articles were published in the meantime: https://labs.ripe.net

What we are going to work on:

• Improving the documentation of the Magma Guide: https://magma.lavafeld.org
• Looking into delays due to lockdown, per country: "Internet Health Report": https://ihr.iijlab.net/ihr/en-us/covid19
• Adding OONI data to IHR

The next weekly video chat will take place on Monday, 6. April:
1PM UTC / 3PM CEST (on Jitsi)

* Zoom Meeting, Monday 23. March, 3PM CET

  * There were 10 people present
  * chat: we decided to use ooni Slack / IRC
  * video: Jitsy (TBD) (action on Vesna)
  * topic/goal: illustrating the Internet "Health" (performance, latency, reachability) during COVID-19 crisis

  Desired OUTCOMES
  -> improved documentation!!!! How to use Atlas / OONI (magma guide!) (Vasilis)
  -> how do you measure reachability / performance "applications" / "services" such as "zoom" or jitsi server… by
  using existing tools (atlas / OONI) (Jasper)

-> keep a collection of reports that are already published elsewhere about "how is the Internet doing during corona crisis" (Emile)

-> and other projects: see this document!

WE HAVE ONLY 40 minutes!

I will record the meeting!

Agenda:
* Vesna: explain the idea: goals, methods, timeline: 2 minutes (PLEASE READ THE LABS ARTICLE IN ADVANCE!)
* round of introductions: 1 minute per person: name, what can you contribute, what do you need
* collective decisions on: chat client; video conf. sw; project management sw (tip: simple, existing)
* content: projects ideas! deliverables!
* forming teams; work-practices agreed per team (comms channel, frequency of contact, project plan..)
* collective agreement on the next meetup (next Monday same time OK?)
* actions!
* check out round, 1 minute per person

ACTIONS 20-3-2020:
○ Decide what would you like to contribute & which roles you are interested in
○ Introduce yourself to others
○ Join an existing team or start a new one

Detailed introduction:

Vesna

What can I offer:
* organising coordination meetings once a week;
* keeping documentation; (GitHub, Labs, EtherPad, wiki) (recordings of the meetings) (notes)
* outreach; (looking for partners & participants) (cross-connecting with other communities)
* sharing knowledge: pointers to the existing videos, documentation, training material
* giving RIPE Atlas credits
* moderating discussions on lists, chats, social media
* being a test-user for the results / products
* coming up with ideas

What do I need:
* help with project management
* help with keeping the project documentation -> publishing; spell-checking; images / graphics!
* help with KEEPING IT SIMPLE & FOCUSING : help me to NOT want too much , at the same time!!

Vesna's relevant links:
* https://theconversation.com/comment-le-coronavirus-a-reveille-lintelligence-collective-mondiale-135465
* TODO: join this project: https://app.jogl.io/project/159#needs