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- We assume you have already used RIPE Atlas
- Do you have a RIPE NCC Access account?
 - If not quickly create one: ripe.net/register
- Do you have credits to spend?
 - · If not tell us your account in the chat window

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Warm-up question

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Icinga examples

- Community of operators contributed configuration code!
 - Making use of the built-in "check_http" plugin
- GitHub examples:
- https://github.com/RIPE-Atlas-Community/ripe-atlascommunity-contrib/blob/master/ scripts for nagios icinga alerts
- Post on Icinga blog:
 - https://www.icinga.org/2014/03/05/monitoring-ripe-atlasstatus-with-icinga-2/

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- Choose which threshold (e.g. greater than 30ms)

- Imposes the threshold on "min" (the minimum result of the three ping attempts)

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Task 2: View (dis)connect events
See in the console of your browser the connection and disconnection events of all the RIPE Atlas probes
Steps:

Create your empty HTML page
Connect to the streaming
Subscribe to stream_type: "probestatus"





Contact us

- https://atlas.ripe.net
- Users' mailing list: ripe-atlas@ripe.net
- Articles and updates: https://labs.ripe.net/atlas
- Questions and bugs: atlas@ripe.net
- Twitter: @RIPE_Atlas and #RIPEAtlas

Documentation

- https://atlas.ripe.net/docs/rest/
- https://github.com/RIPE-NCC/ripe.atlas.sagan

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- https://atlas.ripe.net/docs/measurement-creation-api/

- https://atlas.ripe.net/doc/credits
- https://atlas.ripe.net/doc/udm
- https://atlas.ripe.net/keys/
- https://atlas.ripe.net/docs/keys2/

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More material

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- Basics: <u>http://www.ripe.net/lir-services/training/courses/tailor-made-workshops/#tools</u>
- Webinar material: <u>https://www.ripe.net/support/training/</u> learn-online/webinars/advanced-ripe-atlas-usage-webinar
- More tools:
 - https://github.com/RIPE-Atlas-Community
 - https://github.com/RIPE-Atlas-Community/ripe-atlascommunity-contrib/blob/master/README.md
 - https://github.com/RIPE-NCC/ripe-atlas-tools/

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Benefits (part 1) Operators Routing and traffic optimisation IXP operators Shows how IXPs help keep traffic local and regional

- IPv6 advocates
 - Comparing IPv4 and IPv6 paths
- Country level: regulators, politicians, cyber-security...
 - How much traffic stays within the country? Where do the paths go?
 - Comparing countries with each other

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Benefits (part 2)

RIPE Atlas community

- More probes in more networks = higher quality of measurements data
- Geolocation data community
 - Use case for improving data quality
- Examples:
 - https://labs.ripe.net/Members/emileaben/measuring-ixps-with-ripe-atlas

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- https://labs.ripe.net/Members/emileaben/measuring-countriesand-ixps-in-the-see-region
- http://sg-pub.ripe.net/emile/ixp-country-jedi/CL+AR-2015-04/ geopath/

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- If your ASN is not on the graph, apply for a RIPE Atlas probe
- Add more probes to your country to increase "resolution"
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