




**RIPE NCC**

RIPE NETWORK COORDINATION CENTRE

# **RIPE Atlas Virtual Machine Anchors**

Michela Galante | LACNIC 31 | 8 May 2019

# What is RIPE Atlas?



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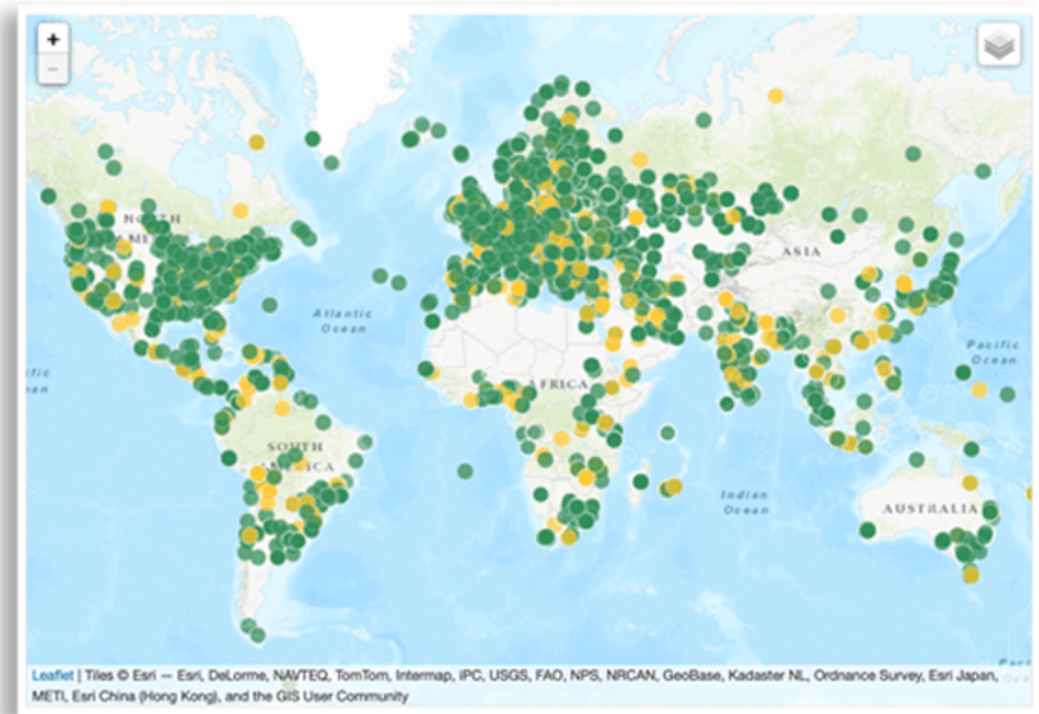
## RIPE Atlas

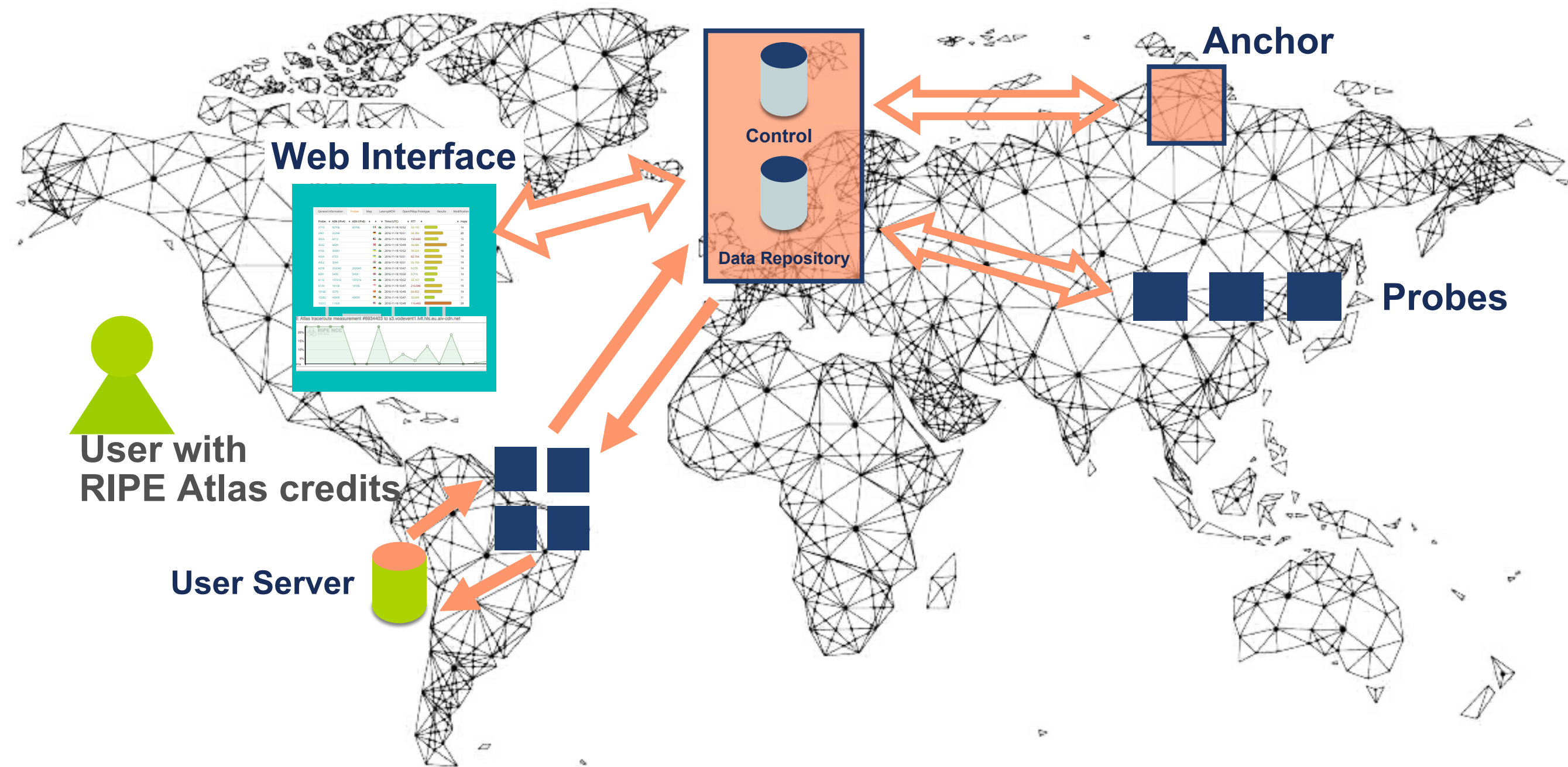
From Wikipedia, the free encyclopedia

**RIPE Atlas** is a global, open, distributed [Internet](#) measurement platform, consisting of thousands of measurement devices that measure Internet connectivity in real time.

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# Measurement Devices



# Why Host an Anchor?



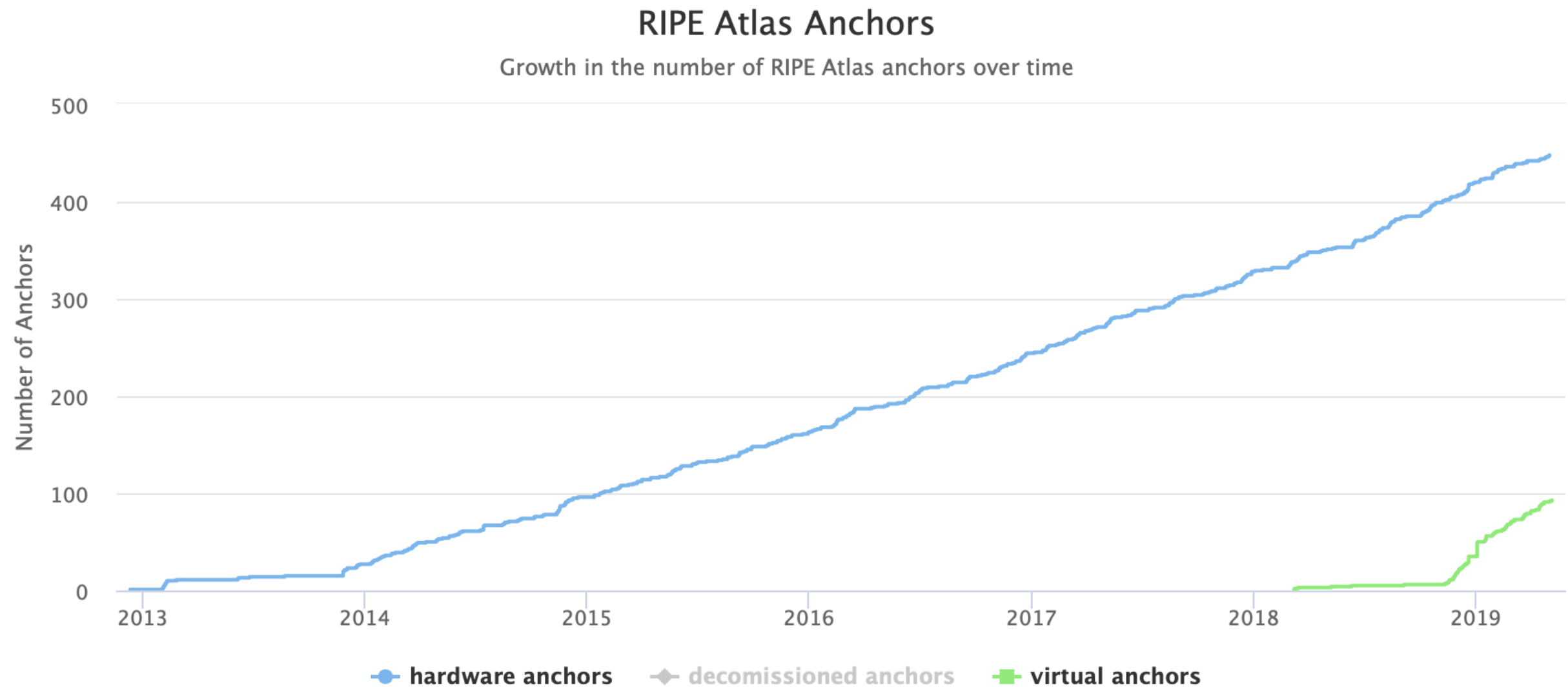
- Measurement targets that function as powerful RIPE Atlas probes
- Regional **baseline**
- RIPE NCC Anchoring measurements: ping, traceroute, **HTTP**
- +500 probes targeting each anchor
- 10x **more credits** than a probe

# Why Virtual Machines Anchors?



- Requested by the **community**
- To increase coverage in areas where shipping hardware is difficult
- To measure the Cloud (16 VM anchors hosted by Amazon, 2 VMs by Digital Ocean)

# Growth over Time



# Anchors in LAC



- 16 anchors thanks to:
  - Hosting organisations:  
**One in DO** by Cable Atlantico
  - Sponsoring from  
**LACNIC**
  - 1 **VM** hosted in Santiago de Chile by PIT Chile



*RIPE Atlas anchors coverage in LAC.*



# Apply Now!



- We need more anchors in LAC; more coverage, better results!
- What is required to host an anchor:
  - <https://atlas.ripe.net/get-involved/become-an-anchor-host/>
- Apply!
  - <https://atlas.ripe.net/anchors/apply/>





# References

- [atlas.ripe.net](https://atlas.ripe.net)
- [RIPE Atlas en Latino America y Caribe](#)
- [About RIPE Atlas anchors](#)
- [Become an anchor host](#)
- [VM anchors requirements and installation instructions](#)
- [VM anchors in production - RIPE Labs](#)
- [Comparing virtual and metal RIPE Atlas anchors](#)

# Use Cases From RIPE Atlas Users



- [Checking your Internet connectivity with RIPE Atlas](#)
- [How fast the RIPE Atlas anchor has paid off](#)
- [Visualisation of a New Node in LACTLD Anycast Service](#)
- [Using RIPE Atlas to Monitor Game Service Connectivity](#)

# RIPE NCC @ LACNIC 31



BoF

Jueves 18.00



# Questions



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