



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE Atlas Software Probes

Philip Homburg | 10 Years of RIPE Atlas | 18 November 2020

Why Software Probes?



- Allow the community to run a RIPE Atlas probe on the platform of their choice
 - Source: <https://github.com/RIPE-NCC/ripe-atlas-software-probe>
- Deploy probes in places where it hard to ship or install hardware probes

Differences



- Registration involves uploading the probe's ssh public key
- Probe ID > 1000000
- System tag 'Software' to distinguish from hardware probes and anchors
- By default no traffic graphs to preserve the probe host's privacy
 - To enable see: <https://github.com/phicoh/ripe-atlas-software-probe/blob/master/README.rst>

Supported Platforms



- CentOS 7 and 8
 - Officially supported with binaries and automatic upgrades
 - See <https://github.com/RIPE-NCC/ripe-atlas-probe-doc/blob/master/manuals/CentOS-7-binary.en.md>
- Turrís Routers
 - Maintained by CZ.NIC
 - See <https://wiki.turris.cz/doc/en/howto/atlas-probe>

Other Platforms



- Debian, Ubuntu
 - Bugs will be fixed, no support for binaries or automatic upgrades
 - See <https://github.com/RIPE-NCC/ripe-atlas-software-probe/blob/master/INSTALL.rst>
 - Currently, use the 'devel' branch for Ubuntu
- Docker
 - Maintained by the community

Do It Yourself



- Any other Linux-based platform
 - The Debian version typically works on a Raspberry PI



Questions



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