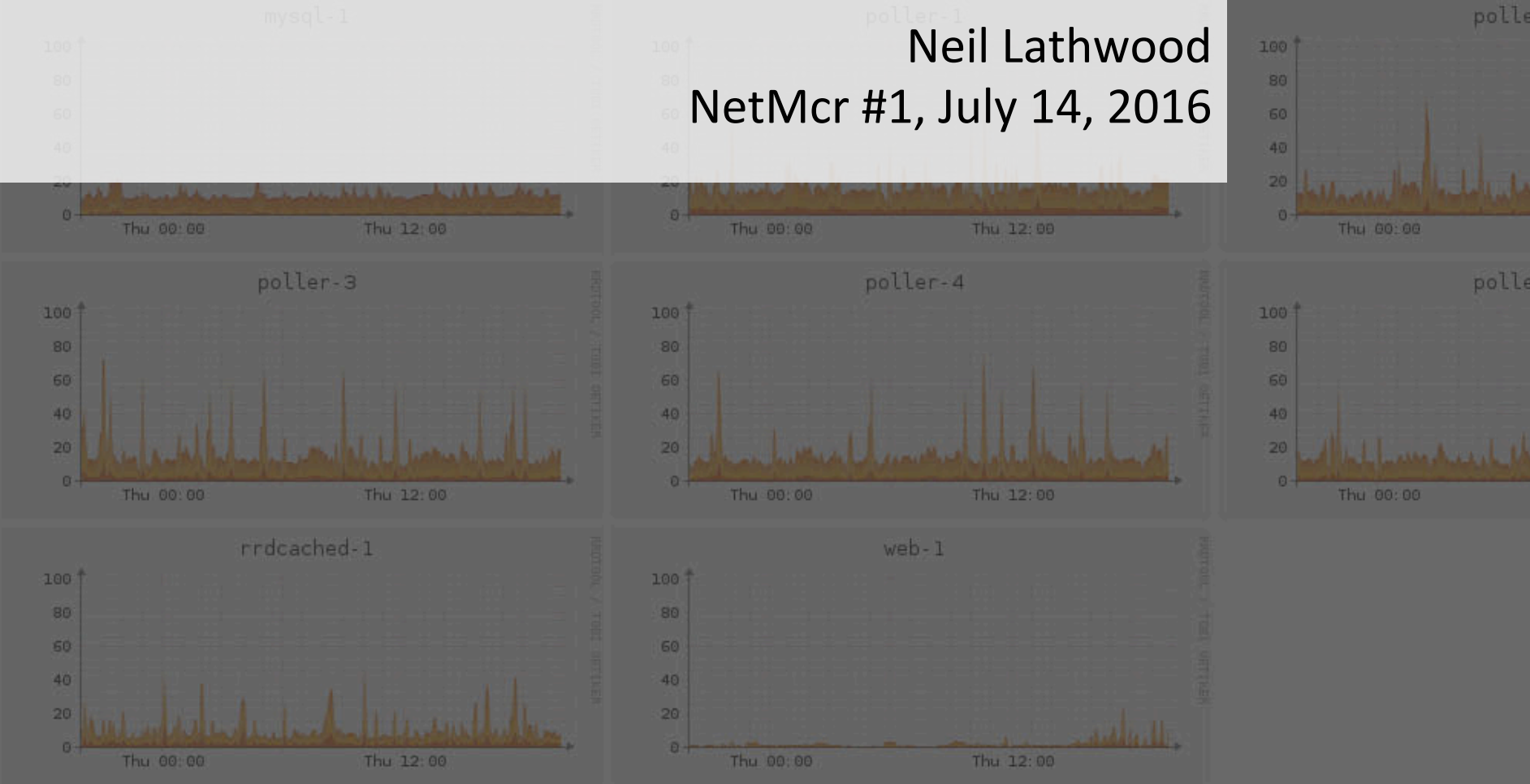


An Introduction to LibreNMS

Neil Lathwood

NetMcr #1, July 14, 2016



History

Fork of Observium

- Last GPL code May 2012
- Actual fork was Oct 2013

Initial fork was done by:

- Paul Gear (Project founder) (@paulgear1)
- Tyler Christiansen (@supertylerc)



Overview

Auto-discovering network monitoring system.

- PHP / MySQL based
- Data collection is done via SNMP
- Data storage via RRDTool / InfluxDB

Community driven project.

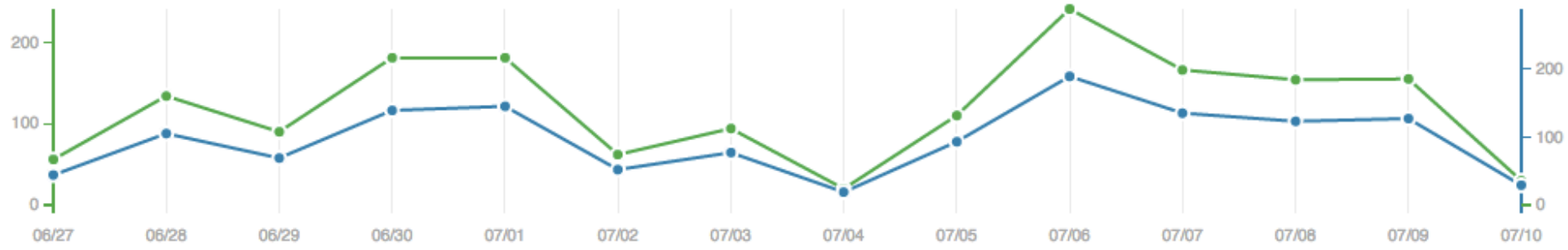
Open-source (GPLv3)



Github statistics

- 250+ Contributors
- 11k+ Commits
- 2k+ Pull requests
- 1.4k+ Issues (300 currently open 😞)

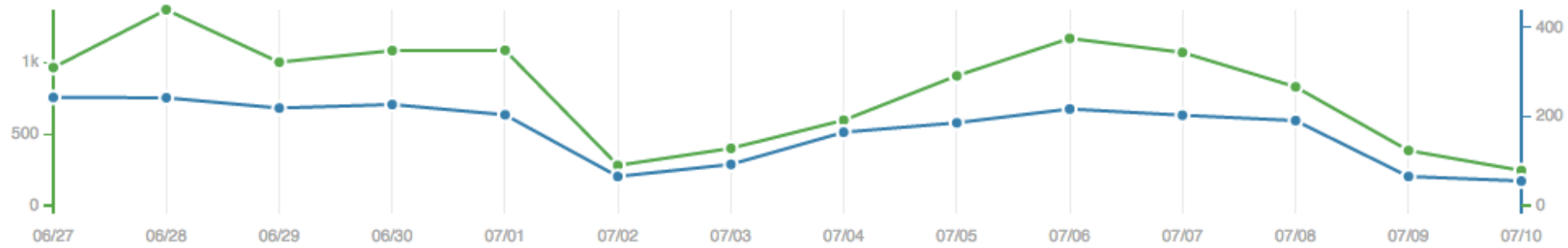
Git clones



1,674
Clones

1,171
Unique cloners

Visitors



11,361
Views

1,758
Unique visitors



Features

- Full alerting system including various transports to deliver the alerts.
- Customisable dashboard for users.
- Integration with various authentication methods (AD, LDAP, Radius) + 2FA.
- Integration with Oxidized and RANCID.



Features

- Scalable via distributed polling.
- API to integrate external systems.
- Traffic billing system.
- Automatic updates.

Vendors

Over 100 supported vendors



SonicWALL



ARISTA



D-Link

FORTINET



freeBSD

MikroTik

riverbed

BROCADE





In the wild





Installation

- Manual install:
 - Master branch is development (yes we know 😊)
 - Monthly stable releases available .
- Virtual images available.
- User contributed automated scripts
 - Ansible
 - Chef

Help

How you think Open Source apps
are maintained



Help

How Open Source apps
are really maintained



Help

- IRC – Primary method.
- GitHub Issues
- Reddit
- Google groups



Future

- WebUI v2 – Rewrite underway.
- Rewrite of discovery and polling code.
- Alternative collection methods - not snmp.
- Updated alerting system.



Contact



<https://github.com/librenms/librenms>



<https://groups.google.com/forum/#!forum/librenms-project>



<https://twitter.com/librenms>



<https://www.facebook.com/LibreNMS/>



<https://www.reddit.com/r/LibreNMS/>



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