

Postfix Statistics

Christian Külker

2022-11-13

Contents

1 Overview	1
1.1 History	2
2 Pflogsumm.pl	2
2.1 Installation	3
2.2 Configuration	3
2.3 Invocations	3
3 Poststats	4
3.1 Links	4
4 Links	4
5 Disclaimer of Warranty	4
6 Limitation of Liability	4

1 Overview

This document aggregates methods of creating mail server statistics. Starting with version 0.1.0 it gives information about `pflogsumm.pl`.

A list of software that has mail statistic features.

Name	Cov.	URL
pflogsum	Yes	https://jimsun.linuxnet.com/postfix_contrib.html
lightmeter	No	https://gitlab.com/lightmeter/controlcenter/
Postscreen-Stats	No	https://github.com/jvehent/Postscreen-Stats

Name	Cov.	URL
PostConf	No	https://www.postconf.com/docs/spamrep/
AWStats	No	https://awstats.sourceforge.io/
Mailgraph	No	https://mailgraph.schweikert.ch/
MRTG w. scripts	No	http://taz.net.au/postfix/mrtg/
Logrep	No	https://sourceforge.net/projects/logrep/

A list of software that has no mail statistic features.

Name	Cov.	URL
Poststats	No	https://github.com/jpylypiw/poststats

1.1 History

Version	Date	Notes
0.1.4	2022-11-13	Fix typo
0.1.3	2022-06-04	Change shell->bash, cron, links
0.1.2	2022-05-09	Change level of sections (one down)
0.1.1	2022-05-05	Add poststats, list of software, links, front matter
0.1.0	2022-05-04	Initial release with <code>pflogsumm.pl</code>

2 Pflogsumm.pl

When searching for “postfix mail statistic” the first 10 results are referring to a Perl script that analyses the Postfix log files. `pflogsumm.pl` is a script written by James S. Seymour and copyrighted 1998-2004 under the `GPL v2+` license and lives on https://jimsun.linuxnet.com/postfix_contrib.html as of this writing (2022-05-04).

The `pflogsumm` scripts aims just an overview of past mail server activities to give an administrator a ‘head-up’ in case of troubles.

2.1 Installation

```
aptitude install pflogsumm
```

2.2 Configuration

While some contributions, for example by [Falko Timme](#), are suggesting to configure `logrotate` to have a dedicated log over 24 hours, I got the impression that `pflogsumm` can do this already by itself via a time stamp query and keywords like `yesterday`. I would agree, in case of using the `yesterday` feature, it would depend at which time the cron job needs to be executed and after 24h a re-invocation of the same job would give different result. So a recreation of the reports would be more difficult. However usually as a 'heads-up' using the `yesterday` scope as a one time shot cron job seems justified.

2.3 Invocations

As `pflogsumm` has a lot of command line options it might be advisable to create a script to execute it.

For a daily (yesterday) summary to be executed after 24:00 every day (0:10):

```
#!/bin/bash
/usr/sbin/pflogsumm -d yesterday --iso-date-time /var/log/mail.log 2>&1 | \
/usr/bin/mailx -s "`hostname --fqdn` daily mail statistic" postmaster
```

Then add a line to cron:

```
10 0 * * * /usr/local/sbin/postfix-statistics-pflogsumm-yesterday
```

For a weekly summary, for Debian 10 and 11 `logrotate` is configured for some `locale` to start the week on Sunday 00:00. So you would need to execute the script 10 before the end of the week on the current log file or 10 minutes after the week started on the last log file. We use the latter to be executed after 24:00 on every Sunday (4:10):

```
#!/bin/bash
/usr/sbin/pflogsumm --iso-date-time /var/log/mail.log.1 2>&1 | \
/usr/bin/mailx -s "`hostname --fqdn` weekly mail statistic" postmaster
```

Then add a line to cron

```
10 4 * * 0 /usr/local/sbin/postfix-statistics-pflogsumm-week
```

3 Poststats

Unlike the name the `poststats` tool (GPLv3), despite the name is postfix monitor with a web interface and mail sending capability triggered via cron. Since it seems not providing a statistic it will not covered in this document.

3.1 Links

- <https://github.com/jpylypiw/poststats>

4 Links

- <https://www.postfix.org/addon.html>

5 Disclaimer of Warranty

THERE IS NO WARRANTY FOR THIS INFORMATION, DOCUMENTS AND PROGRAMS, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE INFORMATION, DOCUMENT OR THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE INFORMATION, DOCUMENTS AND PROGRAMS IS WITH YOU. SHOULD THE INFORMATION, DOCUMENTS OR PROGRAMS PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

6 Limitation of Liability

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE INFORMATION, DOCUMENTS OR PROGRAMS AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE INFORMATION, DOCUMENTS OR PROGRAMS (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE INFORMATION, DOCUMENTS OR PROGRAMS TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.