

Prometheus in Debian

YES, I am giving this talk again

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debian

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About Tincho

Debian contributor since 2005.

Ex-Gogler (and BorgMon lover).

Still happy as a freelance SRE/dev.

You should all try it, never work 9 to 5 again!



Why Debian (i)

Not hip, but still relevant.

Runs on everything!

From embedded devices to supercomputers.

10 release arches + 14 non-release arches.

Over 130 derivative distros.



Why Debian (ii)

Trusted, reproducible¹ binaries.

In general, not a good idea to download binaries from the web!

Package management, integration,
pre-set defaults, security support.

You still get up-to-date package versions,
thanks to backports.

¹almost, we are working on it

As simple as running

```
$ apt install prometheus
```

To get a simple self-monitoring deployment, including local node-exporter.

Most packages available in 10+ architectures.

Backports constantly updated to provide recent versions
in stable installations.

Small, but growing team of maintainers.

Package versions

Core packages:

package	stable	stable/bpo	unstable
prometheus	1.5.2	2.3.2	2.3.2
prometheus-alertmanager	0.5.1	0.15.1	0.15.1
prometheus-pushgateway	0.3.1	0.5.0*	0.5.2

Client libraries:

package	stable	stable bpo	unstable
golang -prometheus-client-dev	0.8.0	git(2018)	git(2018)
libnet-prometheus- perl			0.05
python- django -prometheus	1.0.6		1.0.15
python -prometheus-client	0.0.18	0.3.0	0.3.0
ruby -prometheus-client-mmap		0.9.1	0.9.1

Exporters

package	stable	stable bpo	unstable
cadvisor			0.27.1
mtail	git(2016)	3.0rc5	3.0rc15
prometheus-apache-exporter		0.5.0*	0.5.0
prometheus-bind-exporter			0.2
prometheus-blackbox-exporter	0.3.0	0.12.0	0.12.0
prometheus-mailexporter	1.0		1.0
prometheus-mongodb-exporter	1.0.0	git(2018)*	git(2018)
prometheus-mysqld-exporter	0.9.0		git(2018)
prometheus-node-exporter	0.13.0	0.16.0	0.16.0
prometheus-pgbouncer-exporter	1.7		1.7
prometheus-postgres-exporter		0.4.1	0.4.6
prometheus-sql-exporter			0.2.0
prometheus-varnish-exporter	1.2		1.2

Help is always needed!

A lot of work

- Keeping packages up to date and bug-free
- New dependencies all the time
- Plenty of exporters to package
- Better integration, maybe with jsonnet

Extra complications

- Golang practices (vendoring, API breakage)
- Long tail of dependencies
- JavaScript

Thank you!

Thanks!

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Also offering Prometheus support :-)