

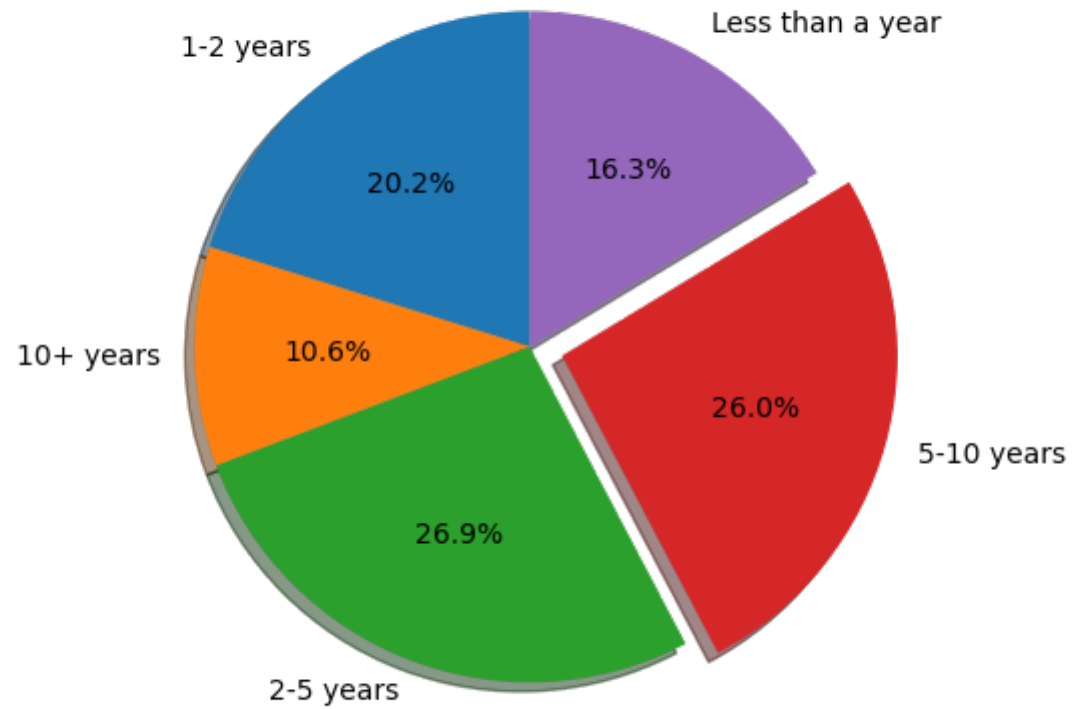
INTRODUCTION

ABOUT ME

8 years hacking on QEMU

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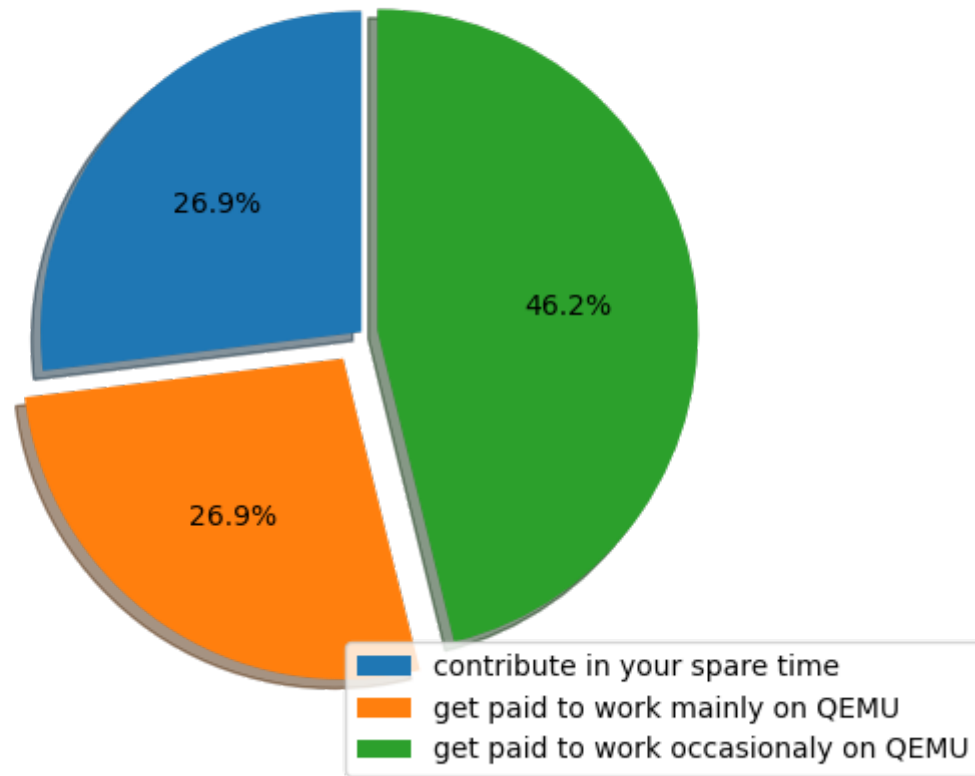


MORE ABOUT ME

QEMU developer at Linaro

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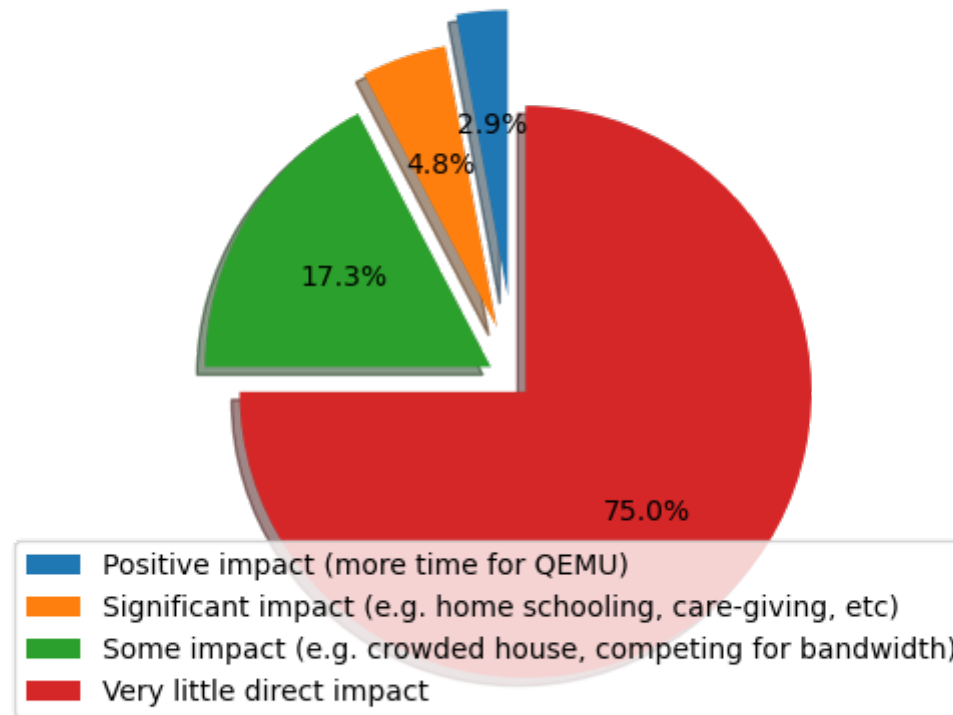
QEMU developer at Linaro



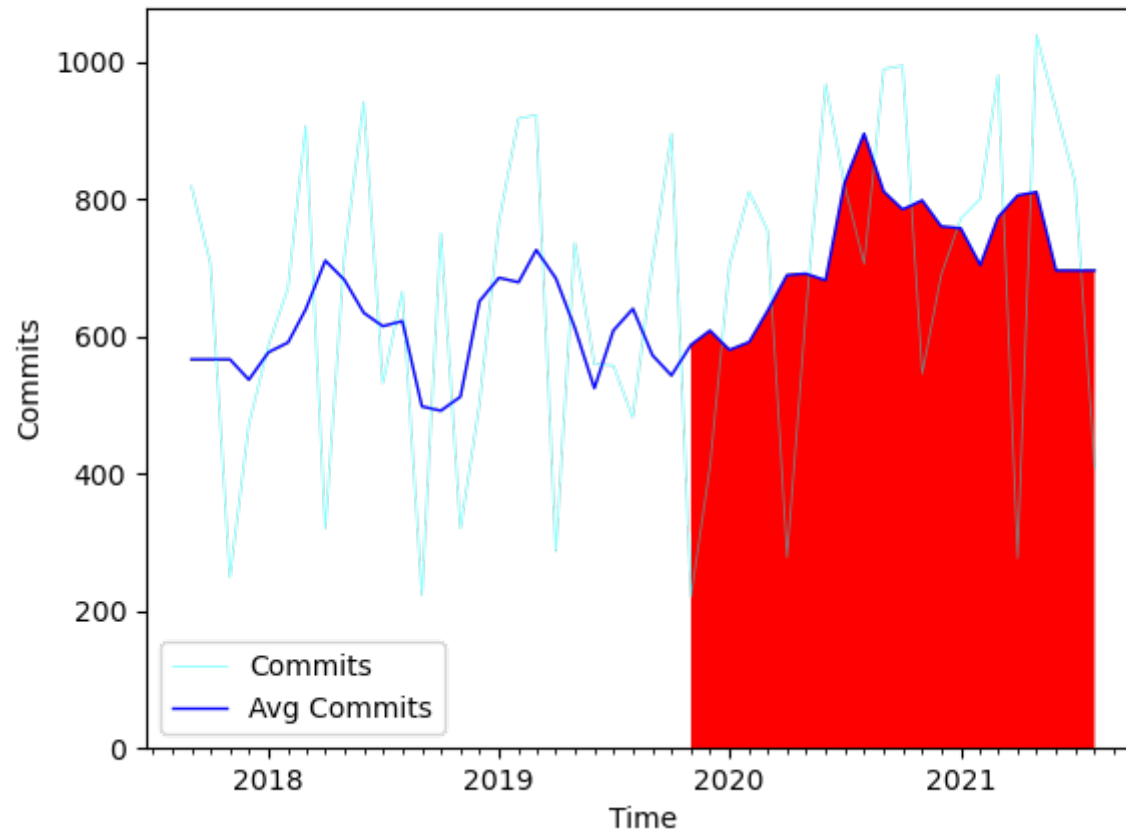
THE EVENT



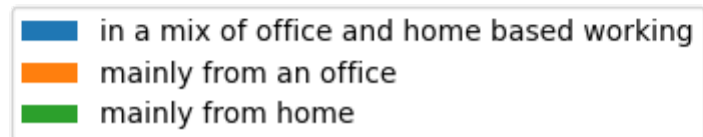
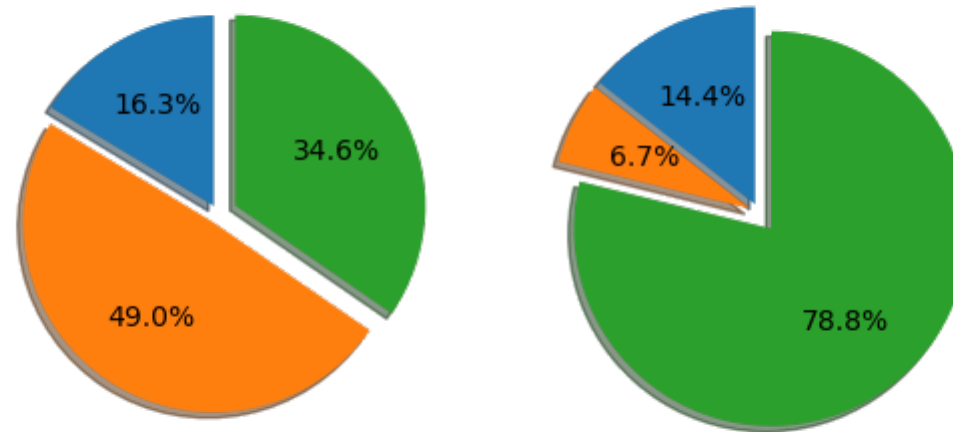
REPORTED IMPACT



IMPACT ON COMMITS



WORKING HABITS



RELEASES AND KEY CHANGES

RELEASES

5.2 8th December 2020

6.0 30th April 2021

6.1 24th August 2021

NOTABLE HIGHLIGHTS

- Improved support for encrypted guests
- [qcow2 sub-cluster allocation](#)
- Emulated NVME
- Multi-process device emulation
- ACPI hot plug by default

GSOC PROJECTS

AMD Virtualisation Emulation

Lara Lazier

AQMP Terminal User Interface

G S Niteesh Babu

Cache Modelling with TCG
plugins

Mahmoud
Mandour

GSOC PROJECTS (RUST-VMM)

Mocking framework for virtio
queues

Bogdan Grigoruță

Integrate vhost-user-vsock
app with Kata

Harshavardhan
Unnibhavi

vhost-user-scsi device
backend

Gaelan Steele

EMULATION TARGETS

- 🙌 Im32, moxie, tilegx, unicore32
- 😊 Hexagon

TCG UPDATES

- Support split_wx JIT buffers
- TCG constants
- Improved break point handling
- Modernising TCI

USEFUL TOOLS

- USB packet capture (pcap)
- Guest Loader
- gdbstub auxv and reverse debugging
- plugins enabled by default
- qemu-storage-daemon

INTERNALS

- TCGCPUOps, AccelOpsClass
- TranslatorOps conversion complete
- Softfloat transition completed
- `-with[out]-default-devices`

PROCESS

- Code of Conduct
- bugs migrated to GitLab
- more testing moved to GitLab
- playbooks for adding shared workers
- meson continues to evolve

DOCUMENTATION

- New unified manual
- net +10k lines

DEVELOPER AWARDS/STATS

MOST COMMITS

Richard Henderson	942 (12.7%)
Philippe Mathieu-Daudé	748 (10.1%)
Peter Maydell	615 (8.3%)
Paolo Bonzini	341 (4.6%)
Vladimir Sementsov-Ogievskiy	283 (3.8%)

MOST LINES CHANGES

Richard Henderson	43717 (12.1%)
Philippe Mathieu-Daudé	32595 (9.0%)
Taylor Simpson	27187 (7.5%)
Peter Maydell	26089 (7.2%)
Markus Armbruster	24899 (6.9%)

HEAVIEST DELETE KEY

Markus Armbruster	20576 (11.9%)
Thomas Huth	8068 (4.7%)
Jason Wang	616 (0.4%)
Bruno Larsen (billionai)	367 (0.2%)
Georg Kotheimer	173 (0.1%)

MOST REVIEWS

Richard Henderson	1117 (14.4%)
Philippe Mathieu-Daudé	1061 (13.7%)
Peter Maydell	552 (7.1%)
Alex Bennée	346 (4.5%)
Michael S. Tsirkin	311 (4.0%)

MOST PROLIFIC TESTER

Philippe Mathieu-Daudé	172 (26.3%)
Eric Auger	55 (8.4%)
Alex Bennée	42 (6.4%)
Alexander Bulekov	30 (4.6%)
Edgar E. Iglesias	25 (3.8%)

THANK YOU

- Alex Bennée
- <https://mastodon.org.uk/@stsquad>
- stsquad on IRC