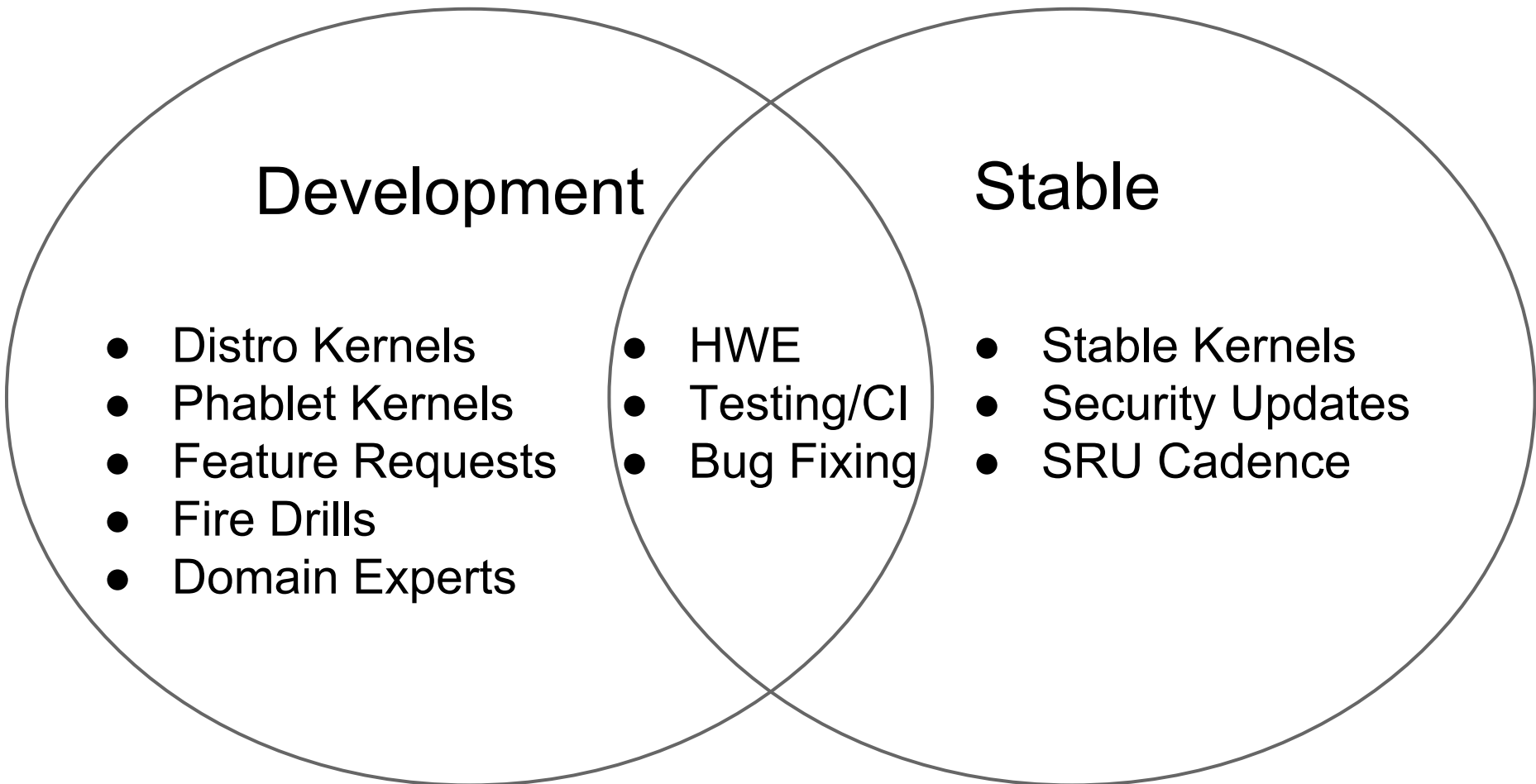


Kernel Team Roadmap 14.10

UOS June 2014

Kernel Team Structure





Recap

14.04 Delivery

14.04 Completed Work



Stats	Total	Avg/Week
Uploads	Devel = 50 Stable = 48	Devel = 2.17/wk Stable = 2.09/wk
Patches	Devel = 15,303 Stable = 3,804	Devel = ~655/wk Stable = ~165/wk

- v3.13 Trusty kernel
 - Picked up extended v3.13.x upstream stable
- 12.04.4 with the 13.10 HWE kernel (v3.11) released
- 12.04.5 proposal approved
 - Introduced linux-lts-trusty in Precise for early preview testing
 - 12.04.x support stream definition
- Extended upstream stable ownership for 3.5.x, 3.8.x, 3.11.x and 3.13.x
- powerpc and lowlatency flavors pulled back into master repo
- HW Enablement

14.04 Completed Work Cont...



- linux-goldfish (emulator support)
- linux-flo (new Nexus 7 support)
- linux-mako (Nexus 4 support)
- Test and tool development
 - eventstat
 - forkstat
 - powerstat
 - cpustat
 - smemstat
 - power-calibrate
 - stress-ng
 - suspend-blocker
 - health-check
- Performance tests/analysis
 - FS benchmarks testing/analysis
 - CONFIG_IMA testing/analysis
 - SSD and Trim support testing/analysis
 - EXT2/3 mounted as EXT4 testing/analysis



14.10 Roadmap



14.10 Goals

- 12.04.5
 - HWE stack EOL notifications
- 14.04.1
 - Define 14.04.x support streams
- Upload v3.15 kernel to Utopic archive [DONE]
- Converge on v3.16 kernel
 - Introduce linux-lts-utopic in Trusty for 14.04.2
- HW and feature enablement
- Routine kernel config review, delta review, DKMS testing
- Test development and performance benchmarking
- Touch device test utility integration for CI and dashboard
 - health-check (needs touch device integration)
 - eventstat (start testing for Utopic and dashboard integration)
 - suspend-blocker (needs dashboard integration)

14.10 Roadmap



May	Upload a v3.15 based kernel to Utopic Evaluate v3.16 or v3.17 Test/tool integration w/CI
June	HWE stack EOL notifications HW and feature enablement Test/tool integration w/CI
July	Upload a v3.16 based kernel to Utopic Coordinate DKMS package fixes if needed v3.16 delta/config review 14.04.1
August	Evaluate v3.16.x extended stable 12.04.5
September	Introduce linux-lts-utopic kernel in 14.04 Final bug fixing
October	Release Utopic



Questions?

Thank You

Leann Ogasawara

leann.ogasawara@canonical.com

canonical.com

ubuntu.com