CANONICAL

Foundations Plans
UOS 14.06

June 2014

Ubuntu Engineering

Future Requirements

Outstanding RTM Requirements

- No outstanding requirements for the PRD
  - in a supporting role
- Land upstart cgroup support for app lifecycle
- Keep utopic development moving forward without disrupting the RTM (stable base)
- Integrate autopilot and autopkgtest using the emulator, to normalize our local and CI (incl. proposed-migration) testing
  - accelerator for other teams' remaining RTM work
- Drive the handling of the stable release channel for RTM

RTM (cont.) & 14.04.1

- Streamlining of Phone image (removal of python2, qt4)
- unity8 preview session on 14.04, with intent to make this a supportable model on future LTSes as well
- review of upstart events in the phone stack

14.10 Goals

- click packages on the desktop (unity8 image)
- system images for desktop and server
- begin dogfooding of systemd on desktop and server
- autopkgtest+autopilot integration
- ongoing support of the ppc64el porting effort
- Maybe: switch desktop and server to systemd by default (if it's robust)
- Not a goal: switching the phone to systemd for 14.10
- Landing Team integration with the Ubuntu developer processes and community
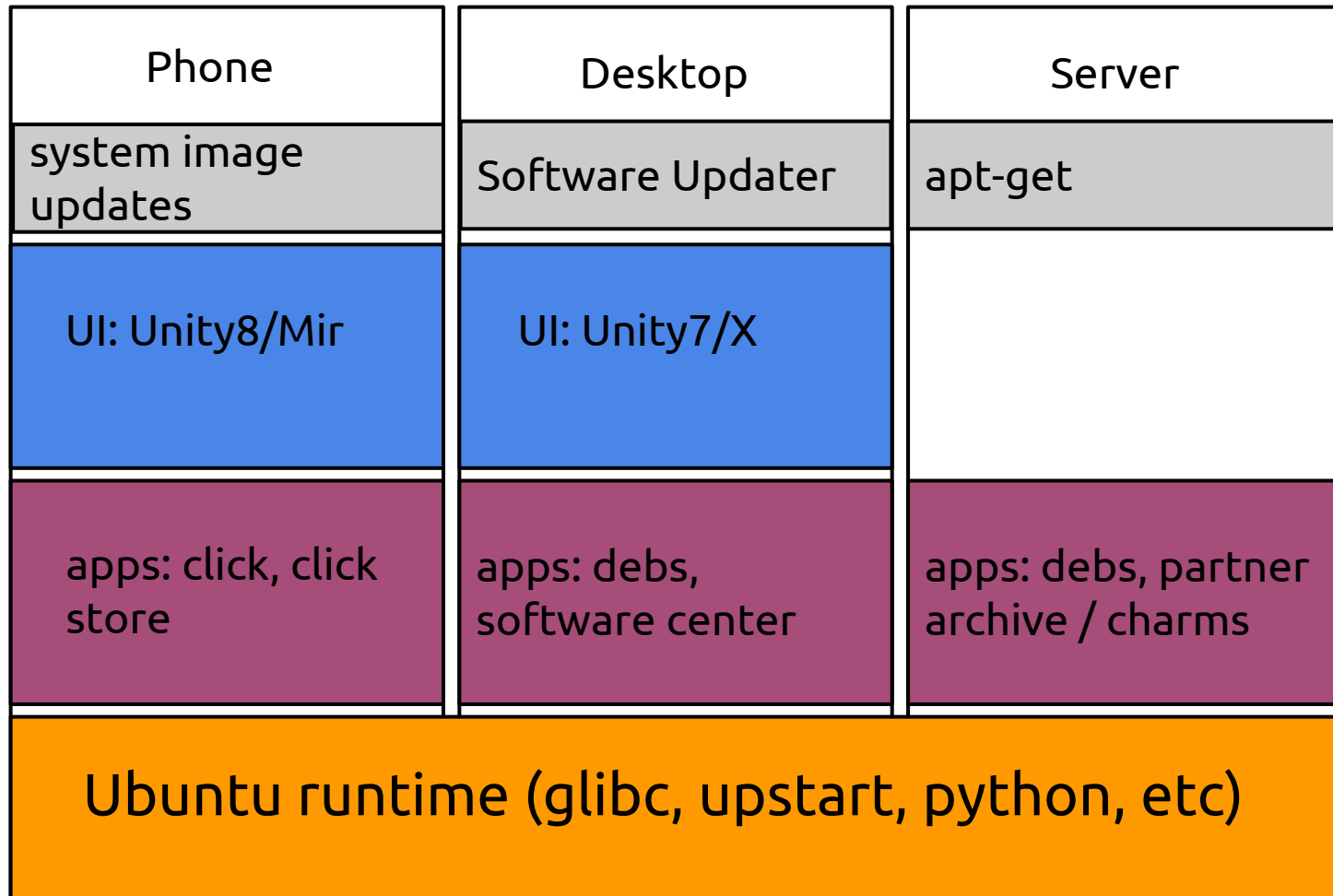- Convergence

What does convergence look like?
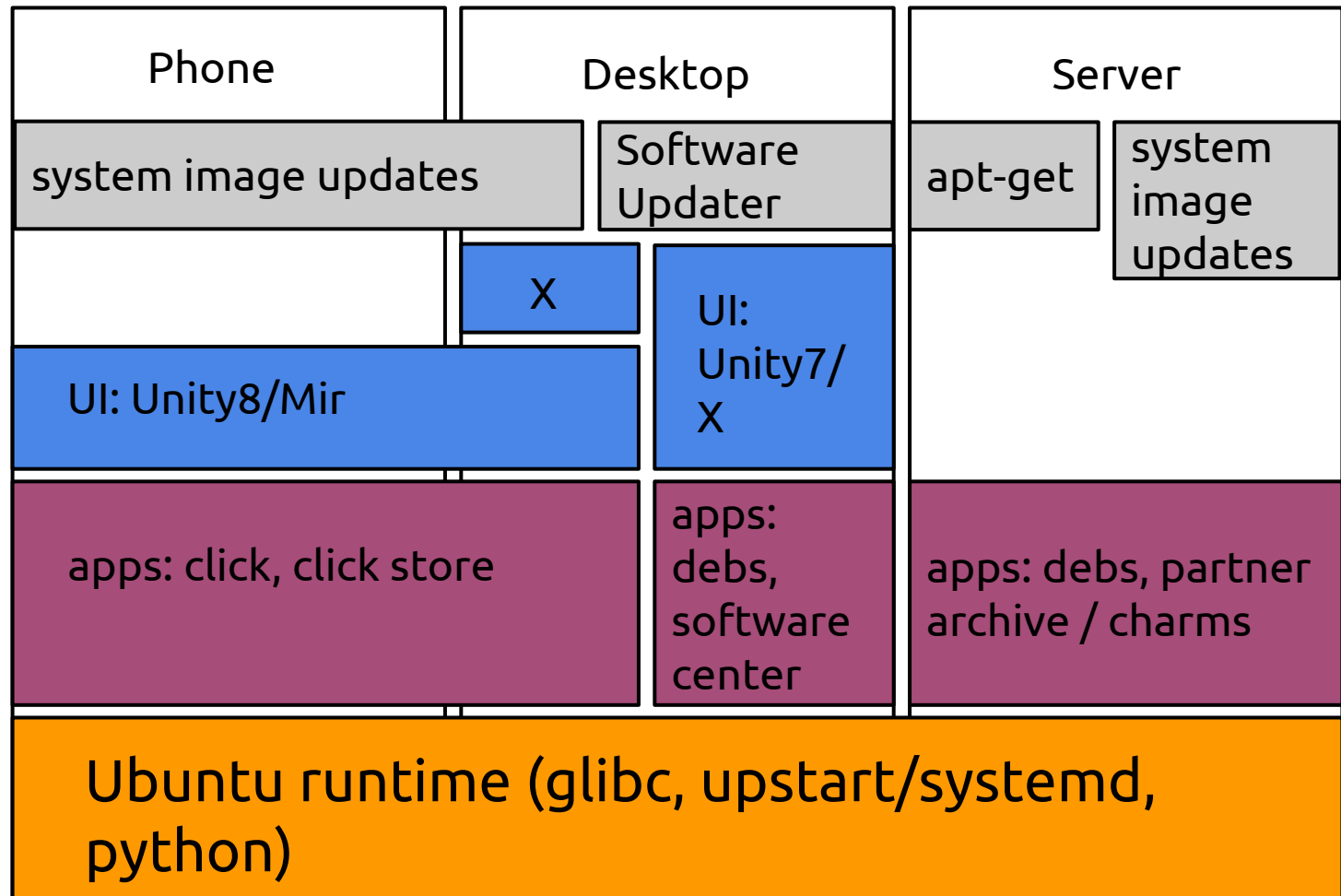
Convergence

- One (client) image to rule them all
  - "superphone"
  - Mir, click store, .deb and X compatibility in some form
  - system-image updates a possibility: .deb compatibility probably either via a container/VM or with an overlay filesystem
- Process and tools convergence: normalized test interfaces for the Ubuntu archive and for the CI airline
  - DEP-8/autopkgtest, with extensions
  - autopilot running via the emulator
  - two-way street of bringing the distro and the upstreams closer together

Ubuntu, converged: platform (14.04)

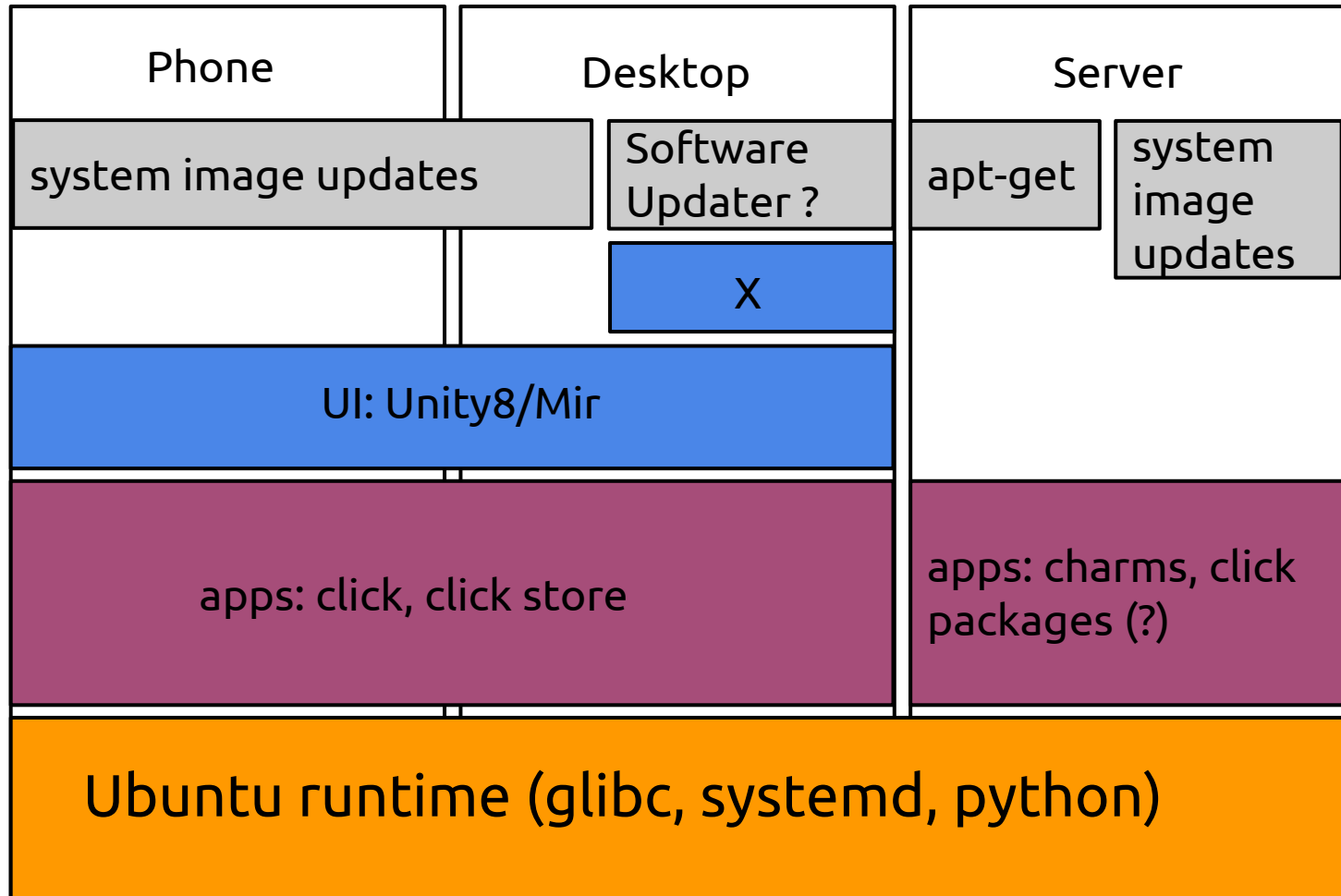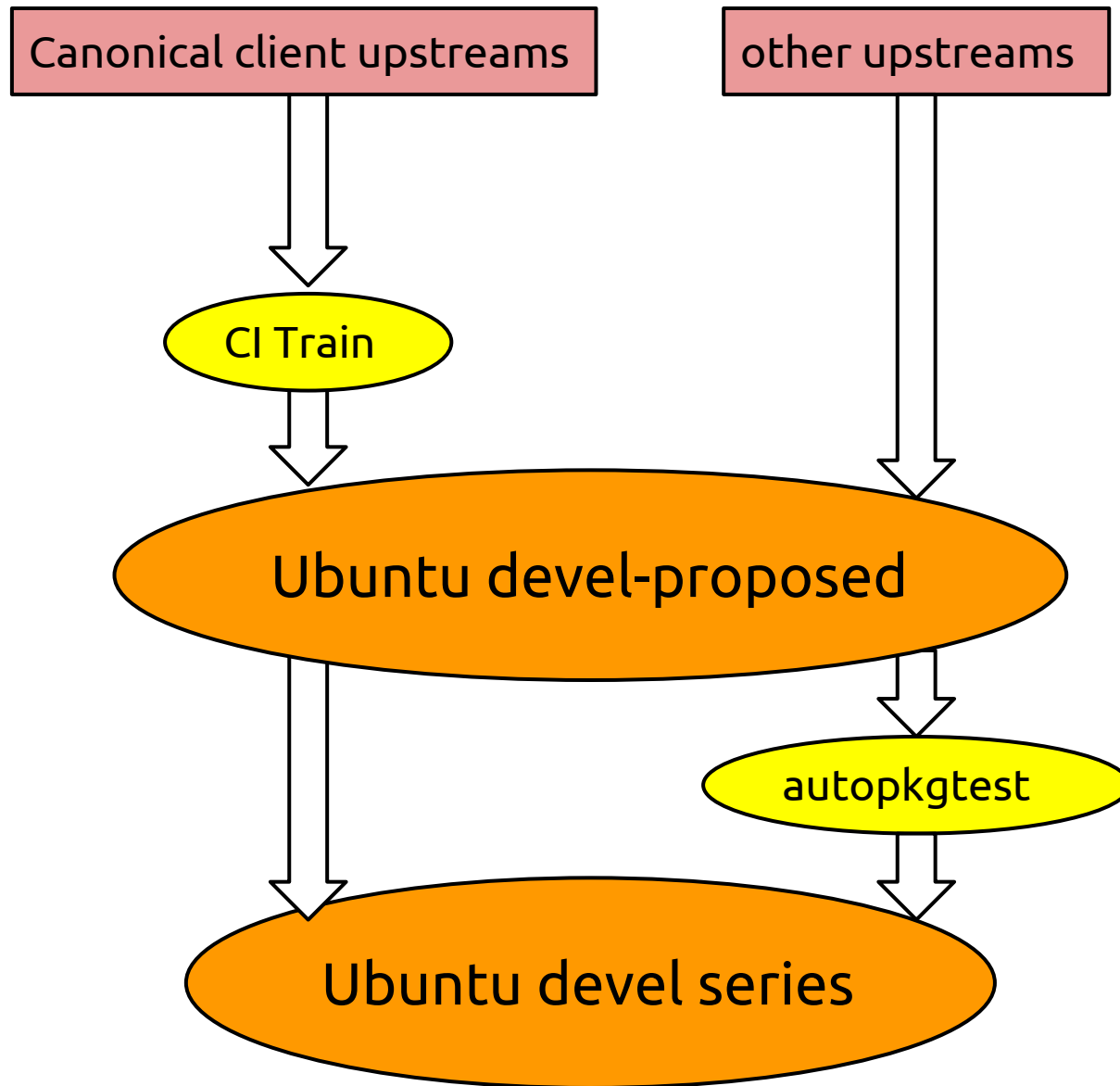| Phone	Desktop	Server
system image updates	Software Updater	apt-get
UI: Unity8/Mir	UI: Unity7/X	
apps: click, click store	apps: debs, software center	apps: debs, partner archive / charms

Ubuntu runtime (glibc, upstart, python, etc)

Ubuntu, converged: platform (14.10)

Phone	Desktop	Server
system image updates	Software Updater	apt-get / system image updates
	X	
UI: Unity8/Mir	UI: Unity7/X	
apps: click, click store	apps: debs, software center	apps: debs, partner archive / charms

Ubuntu runtime (glibc, upstart/systemd, python)

Ubuntu, converged: platform (long-term)

Phone	Desktop	Server
system image updates	Software Updater ?	apt-get / system image updates
	X	
UI: Unity8/Mir		
apps: click, click store		apps: charms, click packages (?)

Ubuntu runtime (glibc, systemd, python)

Ubuntu, converged: process (14.04)

Ubuntu, converged: process (14.10)

Canonical client upstreams

other upstreams

CI Airline

Ubuntu devel-proposed

autopilot

autopkgtest

Ubuntu devel series
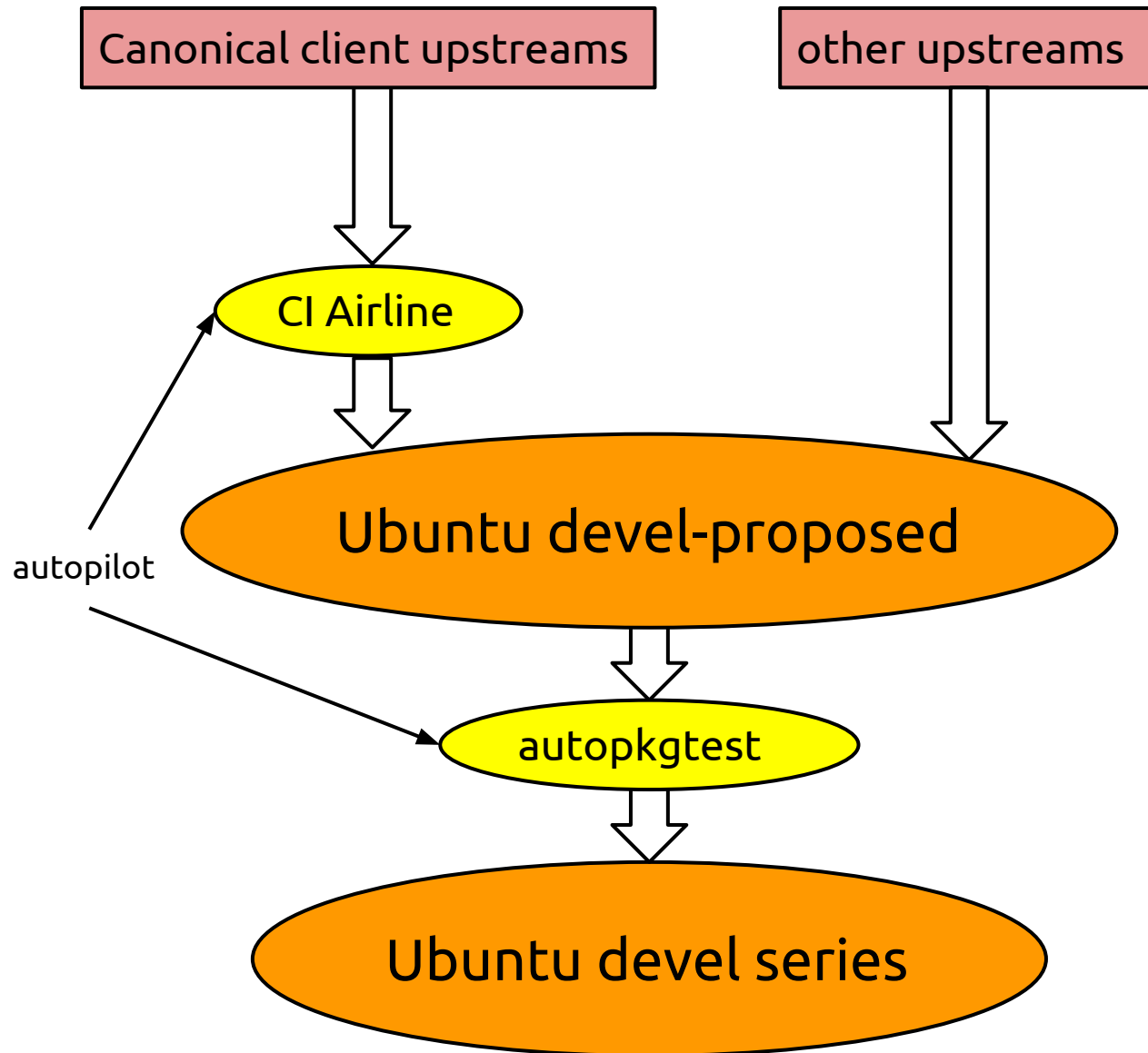
Social Convergence

- Landing Team process currently outside the Ubuntu community rules
- Fix this by getting upstream landers better integrated into the Ubuntu community as devs: per-package uploaders, or possibly something new
- May be structured to still require a core-dev for packaging changes, leaving upstreams to focus on their areas of expertise / responsibility
- Landing Team members to become core-devs