

# RHEL 6 and 7 gotchas

Gotchas in RHEL6 and expectations for RHEL7

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# Changes for Scientific Linux 6

- ext4 now default file system.
- upstart replaced SysVinit (allows service management and event-driven initialisation).
- yum update is now a cron job, not a service.

# Expectations for Scientific Linux 7

- Fedora 12, 13 → Red Hat Enterprise Linux 6.
- Fedora 18 → Red Hat Enterprise Linux 7.
- Fedora 15:
  - systemd as a replacement for SysVinit and upstart.
  - `service [service] [option]` replaced with `systemctl [option] [service].service`
- Fedora 16:
  - grub2 (can no longer just edit grub).
  - GPT partition tables by default instead of msdos.
  - boundary between system and user accounts moved from 500 to 1000.
- Fedora 17:
  - chrony as default instead of ntpd.
  - move bin, sbin, lib and lib64 to /usr.
  - /tmp mounted as tmpfs by default.
- Fedora 18:
  - firewalld to replace iptables
  - secure boot
  - New installer (warning)

# Expectations for Scientific Linux 7: Desktop

- GNOME 3 replaces GNOME 2 (Desktop Environment).
- GNOME 3 comes with GNOME-Shell as (User Interface).
- Also have Cinnamon as a UI instead of GNOME-Shell on Fedora.
- Ubuntu have Unity, not expected on Fedora.
- MATE is a fork of GNOME 2, this will be added to fedora.
- Also have KDE, Xfce, and Sugar (OLPC).