Automation Flow

For each System Under Test (SUT)

- Phase 1: verify SSH access
- Phase 2: gather SUT system facts
- Phase 3: prepare SUT for consistent reboot
  - Set tgt boot-mode
  - Enable neptune timing
- Phase 4: reboot
  - Initiate reboot, start timer
  - Wait for reboot complete (“systemctl list-jobs == No jobs running”)
  - Stop timer, record elapsed time
- Phase 5: record reboot test results
  - System facts
  - Reboot elapsed time (Phase 4)
  - “systemd-analyze time” & “systemd-analyze blame”
  - Neptune UI startup timings

Test Artifacts and Key Metrics

System facts

- Kernel version and /etc/os-release
- CPU type and numcores
- tgt boot-mode

Reboot elapsed time

- Stopwatch : `reboot` to "`systemctl list-jobs == No jobs running`"

Systemd-analyze

- 'time' : 1.281s (kernel) + 7.128s (initrd) + 41.840s (userspace)
- 'blame' : top 5 slowest services to initialize

Neptune startup

- Time to key event(s): e.g. starting application and first frame drawn

Sample output: testrun.output