

LinuxRT/CentOS Upgrade Status

An Le, Jerry Katzung, Mike Puckett

17 Jan 2024

Why/What

- SLAC IT reported a number of security vulnerabilities that needed to be addressed in our LinuxRT and CentOS buildroot images
- Summary of changes
 - telnetd has been disabled
 - One cannot directly telnet onto a CPU anymore
 - root is password-protected
 - same password as terminal server login
 - reboot no longer hangs on Advantech CPUs
 - /etc/SLAC_properties exists
 - Contains HAVE_ROOT_PASSWORD=1
 - The following accounts/groups are pre-populated:
 - acctf/acctest -> 11846/2459
 - flaci/facet -> 11121/2376
 - laci/lcls -> 8412/2211
 - spear/qb -> 7753/1080

Status

- First spin worked in LCLS, but bugs were discovered on FACET and TestFac, which required additional spins
- The current 4th spin is working in all facilities, but isn't currently running in all CPUs
- If any of them unexpectedly power cycle, they will pick up the 4th spin
- Rather than wait, we've opportunistically rebooted some CPUs this week and scheduled the rest for the 1/30 PAMM

Prod CPU status

