



iocConsole Changes for SLAC

- Background
- Description
- List of Changes
- Another Extension?



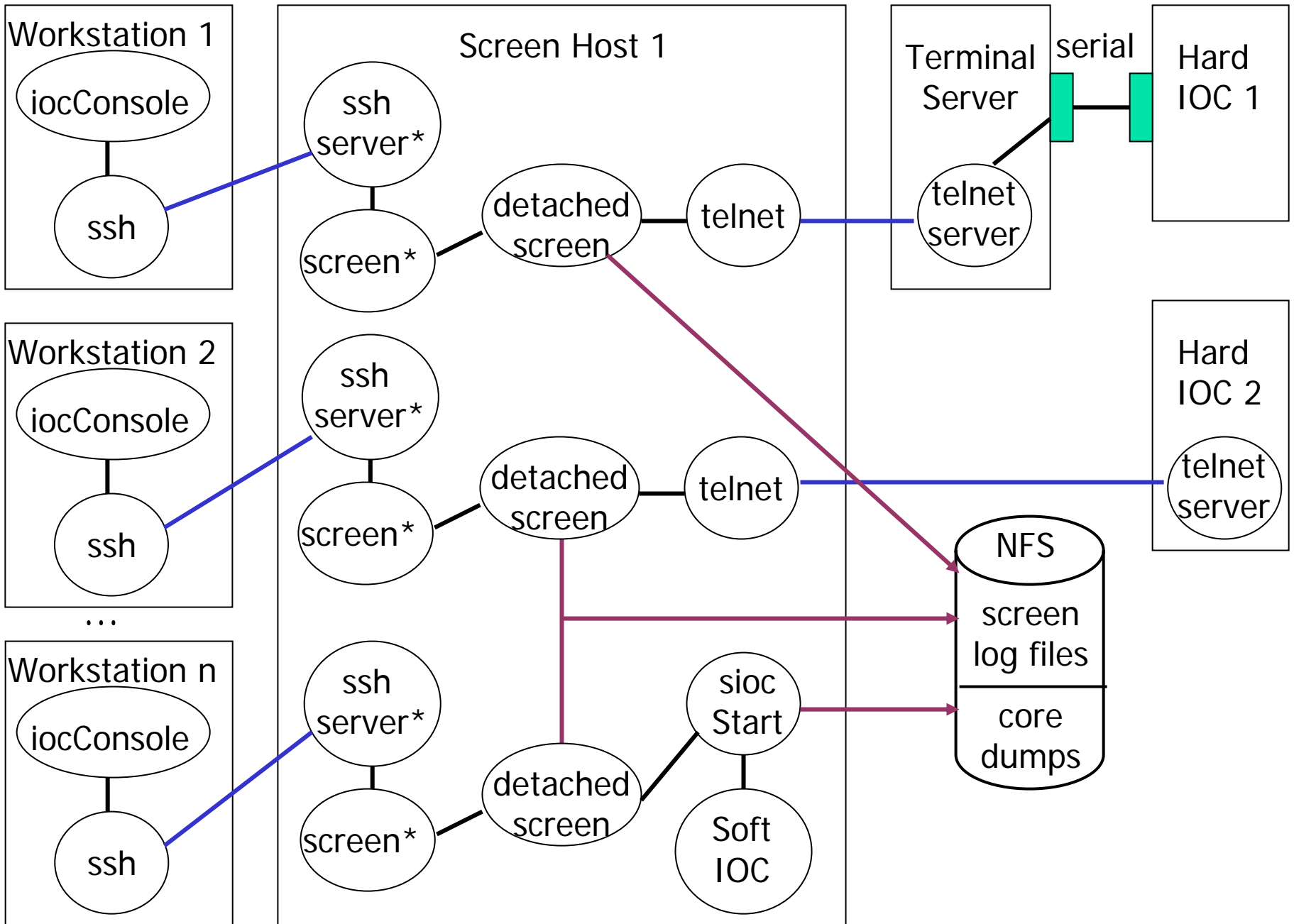
Background

- iocConsole presentation, Korea 2003
- E. Norum provided source to D. Rogind who changed it for ESD, Jan 2004
- D. Rogind provided source to S. Allison who upgraded it for SSRL, Mar 2004
- Now have one iocConsole for ESD and SSRL, maybe future SLAC projects



Description from Korea 2003

- Unified access to IOC consoles.
- An IOC need no longer be a VME CPU running vxWorks. A single way to connect is needed.
- Persistent session on console with scrollback history is a useful diagnostic tool.
- Multiple, simultaneous connections to IOC consoles makes remote testing and diagnosis easier.
- The iocConsole script uses the GNU screen utility to provide these capabilities.



* One ssh server and screen for each user.



List of Changes made at SLAC

- Hard IOCs w/o terminal servers
- Soft IOCs in screeniocs file, names do not have to start with "sioc"
- Allow soft IOCs that do not use APS bootparams support
- Add cleanup option to kill existing screens
- Add stayup option to auto-restart console when someone quits out of telnet or auto-restart soft IOC when someone exits at the iocsh prompt
- Use password-less shared account to run screen so users don't need su
- Added more env variables for flexibility



Another Extension?

- Installed as EPICS extension at SLAC
- Too many differences from APS – may need new name (ie, iocTerminal)
- Web page:

<http://www.slac.stanford.edu/comp/unix/package/epics/extensions/iocConsole/>