iocConsole Changes for SLAC

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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: