C-AD Controls

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Some things you should know about our Linux OS upgrade and working at Controls consoles in the field

- Some background
- Info about field consoles
- Summary slide (all you REALLY need to know)

Some background

Most Controls Linux computers (servers and consoles) are now running

     *Red Hat Enterprise Linux Workstation release **6**.3*   *(Linux WS 6)*

Some of our computers are still running an older version like

     *Red Hat Enterprise Linux Client release **5**.7*   *(Linux WS 5)*

because

- they have some special hardware or software that complicates the upgrade process
- they are older machines that have compatibility problems with the new OS
- we haven't gotten the upgrade scheduled yet

    Type **WSversion** at a command prompt and you should see either

        WS6 : Red Hat Enterprise Linux Workstation release 6.3 (Santiago)
           or
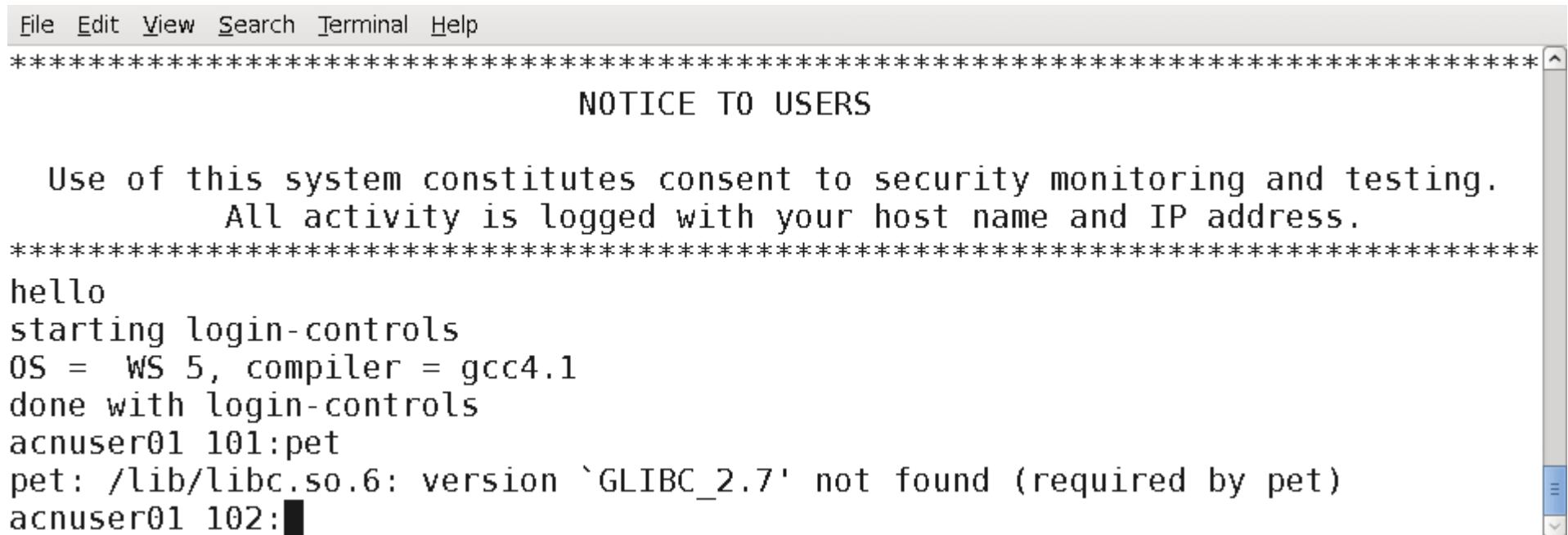   **WS5** : Red Hat Enterprise Linux Client release 5.7 (Tikanga)

C++ Programs built on WS5 machines run on WS6 BUT...

Programs built on WS6 do NOT run on WS5

They do something like this if you try

```
File  Edit  View  Search  Terminal  Help
******************************************************************************
                              NOTICE TO USERS

   Use of this system constitutes consent to security monitoring and testing.
            All activity is logged with your host name and IP address.
******************************************************************************
hello
starting login-controls
OS =  WS 5, compiler = gcc4.1
done with login-controls
acnuser01 101:pet
pet: /lib/libc.so.6: version `GLIBC_2.7' not found (required by pet)
acnuser01 102:█
```

Up until now, we have been
- releasing programs built for WS5
- testing programs built for WS6

We want to get out of this mixed mode

We have a high degree of confidence in apps built for WS6 based on
- test experience so far
- experience in past OS upgrades

Starting Wednesday (2/6) we will begin releasing programs built for WS6

If you work at a WS6 console (like the consoles in MCR), you shouldn't notice the change

If you are working at a console that is still at the WS 5 level
- Programs will display at your console but run from a WS6 host
- StartUp will do that for you automatically
- Typing StartUp on a command line runs StartUp from a WS6 host

If you are working at a console that is still at the WS 5 level
- Programs will display at your console but run from a WS6 host
- Typing *'run <programName>'* on a command line will do it, too

```
File  Edit  View  Search  Terminal  Help
cscompute01 115:
cscompute01 115:run pet
OS: 5.7
Running program on acnlin66.
```

```
File  Edit  View  Search  Terminal  Help
acnlin23 111:run pet &
[1] 13793
acnlin23 112:OS: 6.3
Running program on local host.   'run' command not necessary.
```

Other things to note
- The remote StartUp and *run* command will also work at our very old Tektronix Xterminals
- NX server acnuser01 is being upgraded to WS6 tonight (2/5/13)
- Wyse terminals need to be reset/configured to work with WS6 hosts (should be complete by the end of the day tomorrow)

All you REALLY need to know

- Start programs from StartUp and it will *"do the right thing"*

- At some consoles, you may need to type *'run <programName>'* if you want to start programs at a command prompt

- This presentation will be posted in the Controls Wiki *What's New* section

- If you have problems, call for help