

## UHLS Technical Advisory Council Meeting

May 18, 2005

Present: Rawdon Cheng (UHLS, notes); Lorraine Smi (VOOR); Rob Carle (UHLS); Jonathan Koppel (UHLS); Mike Whitney (EGRN); John Love (BETH); Joe Makoviec (BRUN)

UHLS is looking for product(s) to protect public access computers. Fortres or PAC security tools locks down what patrons can do. Though both of them are secure, there are flaws that patrons can take advantage; therefore, we need another tool to revert it back to original state should the workstation is compromised. The council recommends libraries should buy another inexpensive cable/DSL router to protect its staff computer. Should a public computer is compromised, it will not infect the staff PC. Also, UHLS is aware that large libraries have different needs from small libraries. While there is no one single solution that satisfies both large and small libraries, the council will consider all the factors in making its recommendation.

### Deep Freeze vs Cornerstone management console demo

DeepFreeze Enterprise edition and Cornerstone with management console are two very much alike products. Rawdon showed the two production consoles. A simplified version of comparison chart was handed out.

FEATURES	DEEP FREEZE	CORNERSTONE
LAN/WAN management	✓	✓
Working with Fortres	✓	✓
Working with PAC security tools	✓	✓
Unattended install	✓	no
Change protection mode without reboot	✓ (protect to unprotect only)	✓
Disable USB devices	no	✓
Schedule maintenance window	✓	✓
Remote restart/shutdown	✓	✓
Unprotected partitions/disks	selectable	selectable
Remote monitoring	✓	✓
Software upgrade thru console	✓	✓

Cornerstone can block USB ports. John Love raised a question if it was needed since his library encouraged patrons to use USB stick. Rawdon responded whether to block USB is solely at the discretion of the library. Also, the roles that workstation plays will decide whether it should be blocked.

Although Cornerstone is not designed to work in WAN environment, with adding some commands to Cisco router, Cornerstone can find the management server across different network. Deepfreeze has this feature built-in; however, the practicality of this is questionable since most small libraries have firewall installed. UHLS will not be able to monitor the client, though, it may not be needed at all.

Maintenance windows: Cornerstone requires two jobs to handle maintenance windows. Job 1 unprotects workstation, and job 2 changes the mode back to protect. DeepFreeze needs only one job. Question about the need of maintenance windows was raised. Many small libraries do not do windows update due to limited staff resource. If a computer is protected, all changes will be wiped out after reboot, so it will have a clean computer every morning. Windows update may not be needed.

Deepfreeze console works with Systems Update Service (SUS). This feature was not tested by UHLS. Cornerstone does not have this feature available.

Cornerstone allows changing from protect state to unprotect or vice versa without reboot but DeepFreeze can only change from protect state (frozen) to unprotect state (thaw) without reboot.

**Recommendation:** Since UHLS will provide support to libraries that use either DeepFreeze or Cornerstone, the presented members agreed to let UHLS to decide which products best fit for libraries that uses it. UHLS will recommend a product and work with the vendor to get the best price.

### **Emergency Broadcast webpage**

John Love ran into a problem with using frame. The title of the page will not be update. Joe Mackowiec will help him to find a java script to fix this problem. Other than some fine-tuning, the pages is ready for production. The page is viewable in Firefox.

**Next Meeting** – Wednesday, Sept 14 at 9:30 am, at UHLS