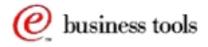


IBM NetVista Thin Client Manager Operations Utility



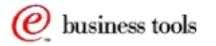
5/18/00







- ► Intended for use by Service, Marketing, and Administrators
- ► Java application that runs on NT 4.0
- ► Used to Remotely Manage Thin Client Express
 - Assists with Flash Card Updates and Reflash
 - Migration of Thin Client Express to our Flagship NSM product
 - Simple operations such as reboot and Wake on LAN

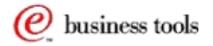




TCM Operations Utility Managing Thin Client Express



- ► Act as a remote "Power Switch" to the Thin Client Express
 - Shutdown
 - Reboot
 - Wake On LAN
- ► Remotely sets the NS Boot settings for the Thin Client Express
 - Boot from Flash
 - Boot from Server
 - Authenticate from Server

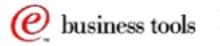




TCM Operations Utility Managing Thin Client Express



- ➤ Set the Thin Client Express to perform a Flash Update on next boot
 - Note, the Thin Client Express Service Utility provides the flash image for this update
- ► Perform Backup/Restore of Configuration files
 - Useful for cloning workstations
- ► And more...
 - Start / Stop Telnet Daemon
 - Start / Stop FTP Daemon
 - Change Remote Access Configuration
 - Grant or Deny Access to Configuration Tool
 - Reset to Factory Defaults







Usage Notes

- ► Reboot the Thin Client Express after the following tasks in order for them to take effect
 - Flash Update
 - Authenticate from Server
 - Boot from Server
 - Boot from Flash
 - Change Remote Access Configuration
 - Grant / Deny Access to Configuration Tool
 - Reset to Factory Defaults (some portions are immediate)
- ► Considerations for "Boot from Server" task
 - The boot server specified in the Simplified menu will be used as the workstation configuration server and the authentication server.
 - From the Advanced menu you cannot use Flash as the workstation configuration server.



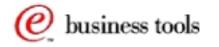




Usage Notes

► Considerations for "Authenticate from Server" task

- The authentication server specified in the Simplified menu will also be used as the workstation configuration server.
- When using this task you will always boot from flash. If you wish to boot from a server, use the Advanced option of the Boot from Server task.
- From the Advanced menu you cannot use Flash as the workstation configuration server.







Known Problems

- **► Change Remote Access Authorization**
 - After values have been set for the administrator password and the SNMP community names through the Change Remote Access Authorization task they can be changed but not removed completely.
- ► Stop or Start FTP Daemon
 - After performing a back up of configuration files, use the Stop or Start FTP Daemon to stop the FTP daemon. In this situation a reboot is necessary for the daemon to be stopped.
- ➤ Workstation status not accurate on the utility running on an international Windows NT system
 - The workstation icon and fly-over text indicate that a workstation is turned on after a refresh status is attempted







Future Enhancements

- ► The TCM Operations Utility will be incorporated into the upcoming release of the Thin Client Manager (TCM)
- ► WBT management will be supported
- ► Additional changes to support Thin Client Express enhancements

