MKS TOOLKIT FOR INTEROPERABILITY

Organizations are maintaining and retaining their UNIX investments, adding to that investment with Windows, and experimenting with Linux. These organizations are also actively seeking interoperability solutions to enable them to effectively cross leverage their technology investment on these powerful platforms. MKS Toolkit® for Interoperability is a comprehensive UNIX and Windows interoperability suite, allowing remote access, remote system administration, interconnectivity, file sharing, and full automation and scripting capabilities.

Benefits of MKS Toolkit for Interoperability:

The MKS Toolkit for Interoperability solution enables organizations to:

- Cross Leverage Investments in UNIX and Windows
- Securely Access Remote Systems
- Lower TCO Through Enterprise Interoperability

Cross Leverage Investments in UNIX and Windows

MKS Toolkit for Interoperability enables the full utilization of existing UNIX-related in-house resources, including administrators' and engineers' skills, experience, methodologies and software source code. This helps preserve high quality processes and applications while lowering costs throughout the enterprise.

- MKS UNIX shell environments add power and flexibility to Windows command-line
- POSIX compliant file and text manipulation tools like vi, grep, and find simplify the interoperability initiative within an organization

Securely Access Remote Systems

Putting a copy of an MKS Toolkit for Interoperability product on each of your servers and workstations will give you the ability to connect to your network machines from anywhere else on your network or via a dialup line to perform any necessary tasks. In a mixed UNIX and Windows environment, you will be able to access and display applications from your UNIX servers, directly on your Windows desktops without ever leaving your desk[1].

- A telnet server, allowing remote access to the Windows machine
- Secure shell client/service as well as other secure utilities (`scp`, `sftp`, `sftp-service`)

- Remote shell, rlogind and rexecd services, for remote access to Windows systems
- Remote utilities (rsh, rexec, rcp, rlogin) for accessing other UNIX and Windows machines
- Visual SFTP –graphical application to transfer and manipulate files to/from/on remote UNIX/Windows systems
- A complete X server for displaying X Window Systembased graphical applications, including OpenGL and Motif applications, on Windows
- xterm, and the ability to tunnel X11 communications through an encrypted connection

Lower TCO Through Enterprise Interoperability

Instead of choosing between Windows and UNIX/Linux, most MIS organizations are opting for a mix of the two operating systems, with many larger organizations using Windows as an add-on to their enterprise-wide backroom strategy. In order to decrease the total cost of ownership (TCO) of their business, these organizations need a single suite of tools that can help their teams be more productive.

System Administrators can:

- Add users and groups
- Clone system file or document tree
- Remotely administer systems
- Perform UNIX compatible backups

MKS Toolkit

Software Developers Can:

- Multi-platform scripting

- Perform cross-platform distributed builds

- Complex file search and retrieval

- Automated testing

MKS Toolkit for Interoperability Features

- A wide selection of command environments, (KornShell, CShell, bash, Tclsh) offering greater control, flexibility, and a wider range of functionality then the traditional Windows Command Prompt

- Access remote UNIX, Linux, and Windows systems with Secure Shell utilities (secsh/secshd, scp, sftp), Remote Shell utilities (rsh/rshd, rexec/rexecd, rlogin/rlogind, rcp), telnetd, and xterm

- Visual SFTP Explorer extension allowing drag/drop and other file operations through the graphical Windows interface

- MKS utilities and APIs now support multibyte/Unicode characters within file content, file and directory names, pipes, environment variables, console displays, and other areas

- A fully network-capable X server, for displaying both local and remote X Windows applications

- A powerful scheduling interface as well as a suite of command-line utilities (at, batch, crontab, taskrun, and wts) for automating routine tasks

- SNMP (Simple Network Management Protocol) services and utilities that allow you to control network devices and their functions

- Commands to pull or push content from local or remote servers (web, netnews)

- File system handling commands (mount, umount) and symbolic link support

- Build automatic notification into processes and scripts with command-line mail utilities like smtpmail and mapimail

- Copy permissions between objects and manipulate Win32 file and user security attributes (chacl, lsacl, su).

- Create and manage users, groups, and permissions on Windows (userinfo, groupinfo, member)

- Tape and archive commands (tar, pax, cpio, mt), for creating UNIX-compatible backups

- Manipulate device drivers, Windows domains, and file associations (`dev`, `domain`, `ftype`)

Thru-Put Systems, a developer of chromatographic analysis and data management software, confidently relies on MKS Toolkit as its product of choice for delivering UNIX interoperability for Windows. Since Thru-Put's software development occurs simultaneously in UNIX and Windows, having a common toolset across platforms enables an efficient and complementary effort. Thru- Put's customers benefit as well, since they generally use our products on both UNIX and Windows systems. The automation features of MKS Toolkit allow our customers to work in a seamless environment that, in turn, helps Thru-Put Systems leverage its products.

**Lynn Matthews, President,
Thru-Put Systems, Inc.**

In a N*ut*shell

MKS Toolkit for Interoperability is a comprehensive update for developers and systems administrators who need to access and display graphical UNIX/Linux applications on Windows systems. Request an evaluation copy of MKS Toolkit for Developers and learn more about the rest of the MKS Toolkit line of products and services by pointing your browser to www.mkssoftware.com.

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