

Technology Solutions



Capabilities of the Systems Programming Group

Cutting-edge
Systems
Programming
and
Interoperability
Strengths

Section - I

Platform interoperability solutions redefined

Enterprise computing involves heterogeneous environments, mostly a mix of Unix/Linux and Windows. Companies are enhancing their **UNIX** investments and adding to that investment with **Windows**. Industry is also actively seeking *interoperability solutions* to enable it to effectively cross leverage technology investment in these two powerful platforms.

Ionidea's Interoperability strengths

Ionidea offers the following interoperability services:

- Re-engineering and enhancing Unix utilities
- Finding out additional features to operate it *seamlessly* on a Windows platform and incorporating these features in Original Unix utilities.

Some of the utilities developed/porting by Ionidea for Mortice Kern Systems Software, Inc. (MKS) are:

1. Gawk

GNU awk. MKS TOOLKIT FOR SYSTEM ADMINISTRATORS and all higher products feature the GNUawk utility (gawk). GNU awk is an alternate version of awk. It has been included to provide compatibility with other gnu tools and ported scripts, from a gnu environment.

2. eventlog

Event Logging, a pure development system utility for *SYSTEM ADMINISTRATORS* and all higher products feature the eventlog utility. With this utility, you can read, write, and otherwise manipulate event logs on local and remote systems.

3. vpax

Visual pax performance improved. Several outstanding issues with Visual pax have been addressed to improve the utility's reliability and performance.



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4. Install

Improve the compatibility of scripts and makefiles when porting from UNIX/Linux to Windows. The install utility will create directories on file system and install files to a specified location.

5. TCL

MKS TOOLKIT ENTERPRISE FOR DEVELOPERS feature TCL. TCL (Tool Command Language) is a powerful set of building blocks for custom applications. Tcl is a straightforward scripting language, and with the addition of Tk (a Graphic User Interface or "GUI"), you can build front-end tools many times faster than you could in another language.

6. GROFF

(GNU Troff) is a document processor which reads plain text mixed with formatting commands and produces formatted outputs.

7. Perl 5.6.0

MKS TOOLKIT ENTERPRISE FOR DEVELOPERS feature *perl*. PERL 5.6.0 along with modules especially libwin32 for system administration purposes was ported with MKS TK baseline environment.

8. SNMP

Set of utilities (*snmpnetstat*, *snmpstatus*, *snmpbulk*, *snmpget*, *snmpgetnext*, *snmptrap* and *snmptrapd*) that can be used to monitor the general health of a network, and set network parameters remotely.

9. uptime

Display how long local or remote system has been running.

10. hostinfo

Display name, IP address, and aliases of host.

11. printenv

Display environment variables and their values.

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SECTION-II

Cutting -Edge Systems Programming for your Enterprise needs

IonIdea's System Programming Group is fully geared to deal with any development work in any of the flavours of Unix/Linux, especially, Sun Solaris, and Linux. The team's capabilities include the following areas: -

- General skills in OS internals-Unix and Windows, and writing OS tools like eventlogging and uptime.

- Writing device drivers for operating systems like Solaris, SCO, Linux and Windows, including networking protocols and management systems
- Core skills in the area of interoperability between Unix and Windows.
- Porting solutions built around MKS Toolkit.
- Developing Run Time APIs (Application Programming Interface)/platforms for interoperability solutions.