



WISP/UNIX Product Overview

- **Identical Wang VS application functionality**
- **Complete translation with few manual changes**
- **Accurate Wang VS screen emulation**
- **Fast, non-proprietary, and easy-to-use**

WISP™/UNIX

Fast, accurate COBOL migration from Wang VS to UNIX®.

The Migration Challenge

Today, migrating your Wang VS COBOL applications to an open systems platform is more of a requirement than an option. The lack of applications, obsolescing equipment, the high cost of maintenance, and waning support for outdated systems is justification enough. But, when coupled with the inability of your legacy software to exploit today's GUI, client/server, and relational technology, a change becomes imperative.

The alternatives to migration are few and present substantial limitations. You can replace your legacy applications with "off-the-shelf" software and sacrifice years of customization for a product that does not live up to its claims; or you can begin a time-consuming rewrite of the code using your programming staff or expensive consultants. In either case, you are introducing new and unfamiliar technology into your production environment, retraining end users and programmers, and spending a great deal of time and money for both.

Now, there is a solution that protects and leverages your Wang VS software investments while bringing your technology current with today's open systems. WISP/ UNIX, from

NeoMedia Technologies, allows you to completely migrate your Wang VS applications quickly, accurately, and cost-effectively.

WISP/UNIX (Wang Interchange Source Processor), is an integrated set of utilities that facilitate the complete migration of Wang VS COBOL applications to the open systems world of UNIX. WISP/ UNIX gives you the added flexibility of maintaining source files on the Wang VS system and migrating them as needed, to the target system. WISP/UNIX includes utilities for:

- **Transferring source data,**
- **Translating Wang VS COBOL source code,**
- **Call-compatible subroutines (VSSUBS) and routines to emulate the Wang VS environment,**
- **Interpreting and converting Wang VS procedure language, and**
- **Optimizing terminal operation and screen management.**

The Benefits of a WISP/UNIX Migration

WISP/UNIX is much more than a simple COBOL bulk conversion process. The tools provide all of the COBOL expertise, procedures, and utilities

that your applications will require to migrate and run in your new environment. A WISP/UNIX migration, gives you:

- **Accurate Translation.** Migrated applications function identically to the original Wang VS.
- **Accurate Wang VS Screen Emulation.** WISP/UNIX fully supports Wang VS screen I/O functionality.
- **Environment-appropriate Operation.** Migrated software functions as if it were written for the new environment.
- **Complete Translation.** The majority of migration activities are automatic and require very few manual changes. If changes are required, they are made only once to the original Wang VS source.
- **Fast Turnaround.** Because of the speed and completeness of the WISP translator, migrations of major applications can be accomplished in relatively short periods of time.
- **Independence.** WISP/UNIX does not use any vendor proprietary screens or forms management products, nor are converted programs locked into proprietary software packages.
- **Easy-To-Use.** WISP/UNIX handles the COBOL and environment-specific issues for you with very few manual changes.

The WISP Toolkit

The WISP toolkit provides a comprehensive set of utilities for a complete, accurate migration. WISP/UNIX's utilities include:

- **The WISP Translator Utility** migrates Wang VS source to the target source by analyzing and changing each statement to

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ensure proper syntax and semantics; and converts Wang VS screen definitions appropriate for use in the new environment.

- **The WISP Library** consists of routines that support the running of the converted code. It contains general support routines and routines to emulate the Wang VS workstations. It also interfaces the Wang VSSUBS to the target operating system.
- **The WPROC Procedure Interpreter** allows you to run your Wang VS procedures without modification.
- **The Wang Utilities** consist of several tools compatible with the Wang VS. These include utilities that perform functions equivalent to DISPLAY, DISPRINT, SORT, COPY, EDITOR, COMMAND PROCESSOR, and others.

WISP/UNIX also provides a set of auxiliary utilities that add or enhance functionality in your new environment. These include:

- **CoStar™ for WISP**, a customizable, programmable terminal emulator that interacts with your WISP/UNIX runtime system to provide a Windows front end to your migrated applications.
- **CONTROL, REPORT, INQUIRY, DATENTRY, and CREATE**, a set of utilities that provide their equivalent Wang VS data file functionality on the target platform.
- **Acu4GL™**: Database Interface, allows standard COBOL I/O statements to access Oracle and Informix. WISP allows migrated software to seamlessly interact with Acu4GL.
- **UniQue UNIX Print Queue and Job Queue**, sophisticated print and job queue systems that were modeled after their Wang VS counterparts. The WISP Toolkit is

designed to integrate seamlessly with these utilities, matching or exceeding Wang VS functionality.

The WISP Methodology

WISP is used either as a "conversion" or "pre-processor" tool. As a conversion tool, WISP facilitates a complete migration from the Wang VS platform. WISP is used only once to create a fully translated COBOL source set. After the initial migration, the WISP translator is no longer needed since all future development will be applied to the new source code. However, during the migration process, maintenance of both source sets is usually required.

As a pre-processor, WISP becomes an integral part of the development cycle. As product enhancements are introduced, changes made to the Wang VS source are simply re-translated via WISP to produce the new source. This is particularly useful if the migrated application is to be used concurrently on different platforms (i.e., NT and UNIX). Software is prepared for WISP translation only once, after which it can then be seamlessly ported to any WISP-supported platform. Your development staff maintains only the original Wang VS COBOL. WISP's speed and accuracy make this methodology a popular choice.

In a typical WISP/UNIX migration, programs are copied from the Wang VS to the target platform. The WISP translator translates the programs, generates the target COBOL, and compiles the object code. Next, the runtime environment is set up by configuring files that describe the system and by selecting runtime options. Then, preliminary testing of the migrated software can begin. Data conversion programs are generated by WISP and data files are migrated. After final

testing, the converted software is installed and the "cut-over" to the new system is orchestrated.

WISP/UNIX - The Total Solution

WISP/UNIX provides the total solution for migrating your Wang VS COBOL applications to the powerful, flexible open platforms of today. WISP/UNIX's speed and accuracy far outweigh the costly alternatives of rewriting code or purchasing off-the-shelf solutions. NeoMedia's professional services group is also available to provide the expertise to assist and train your staff in the migration process. Leverage those valuable software investments now. Call your NeoMedia representative today at 888-277-9707, or visit our website at www.neom.com.

General Specifications

Distribution Media: 3 1/2" diskettes.

Hardware Platforms: AIX 3.2.5, AIX 4.X; HP-UX 10.X; Solaris 2.x; SCO; and Digital UNIX 4.0 for Alpha.

Supported COBOL Compilers: ACUCOBOL-85®, ACUCOBOL-GT® and Micro Focus COBOL™.

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