



WISP/NT 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**

WISPTM/NT

Fast, accurate COBOL migration from Wang VS to Windows[®] NT/95.

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 The lack of applications, obsolescing equipment, the high cost of maintenance, and waning support for outdated systems is justification enough.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/NT, from NeoMedia Technologies, Inc. allows you to

completely migrate your Wang VS applications quickly, accurately, and cost-effectively. WISP/NT (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 Windows NT/95. WISP/NT gives you the added flexibility of maintaining source files on the Wang VS system and migrating them as needed, to the target system. WISP/NT 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/NT Migration

WISP/NT 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. With a WISP/NT migration, you get:

- **Accurate Translation.** Migrated applications function identically to the original Wang VS.
- **Accurate Wang VS Screen Emulation** that 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/NT does not use any vendor proprietary screens or forms management products, nor are converted programs locked into proprietary software packages.
- **Easy-To-Use.** WISP/NT 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/NT's utilities include:

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

WISP/NT™

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

- **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.
- **ARGENT Queue Manager™** (AQM), a powerful batch print queue management system for Windows NT that integrates seamlessly with the WISP Toolkit, providing equivalent Wang VS batch queue processing functionality. Job Scheduling Option(tm) (JSO), which runs over AQM to provide workload balancing, full calendaring, job dependency support, and full JES2/JES3 SYSLOG support.

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. It can then be seamlessly ported to any WISP-supported platform. Your development staff maintains only one source set, the original Wang VS COBOL. WISP's speed and accuracy make this methodology a popular choice.

In a typical WISP/NT 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 begins. Data Conversion programs are generated by WISP and data files are migrated. After final testing, the converted software is installed and "cut-over" to the new system is orchestrated.

WISP/NT - The Total Solution

WISP/NT provides the total solution for migrating your Wang VS COBOL applications to the powerful, flexible open platforms of today. WISP/NT'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: Windows NT™ and Windows® 9x.

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

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