

TRANSITIVE™

Application Migration Solutions for Internal Software Development Groups

Decouple the decision to move to a new strategic server platform from the process of porting and updating internally developed software applications.

Business Issue

If your company has developed software applications for internal use, you may be facing some difficult challenges associated with porting those applications to modern platforms, or supporting multiple platforms.

The choice is often between running applications on old, low-performance, expensive-to-support legacy hardware, or porting applications to new, modern hardware.

Transitive's Solution

Using Transitive's QuickTransit®, internal software development teams can dramatically reduce the cost of supporting new, modern platforms. QuickTransit allows software applications, compiled for one platform, to be run on another without any source code or binary changes. Software written in C, C++, Fortran, Cobol, or any other language, is supported.

The applications generally run significantly faster than on the old platform, and at approximately 80% of the speed that would be achieved if a native recompilation was completed on the new platform. Graphics and interactive performance are transparent to the end user. Functionally, the applications run identically. And, since there are no source or binary code changes, all an internal development team needs do is the final testing to assure proper operation on the new platform.

Under the best of circumstances, porting an application to a new platform can cost millions. Worse, porting is often impossible if the source code has been lost, or if the original development team is no longer intact.

The availability of a less costly solution to the porting problem—preferably one that doesn't require access to source code or developers—would significantly reduce the cost of porting to new platforms and dramatically improve end-user satisfaction.

To deploy the technology, the internal software development group distributes QuickTransit along with the application binaries created on the old platform, and installs it as a part of a standard installation package*. The operation of QuickTransit is completely transparent to the end user.

QuickTransit eliminates barriers to supporting internally developed software applications on new platforms, eliminating costly expenses associated with supporting legacy hardware, dramatically reducing the cost of supporting modern platforms, and increasing the satisfaction of end users.

* Other business models are also supported.

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QuickTransit Overview

QuickTransit is a software application that provides hardware virtualization and includes three key components:

- Dynamic binary translation
- Operating system mapping
- An integration FUSE

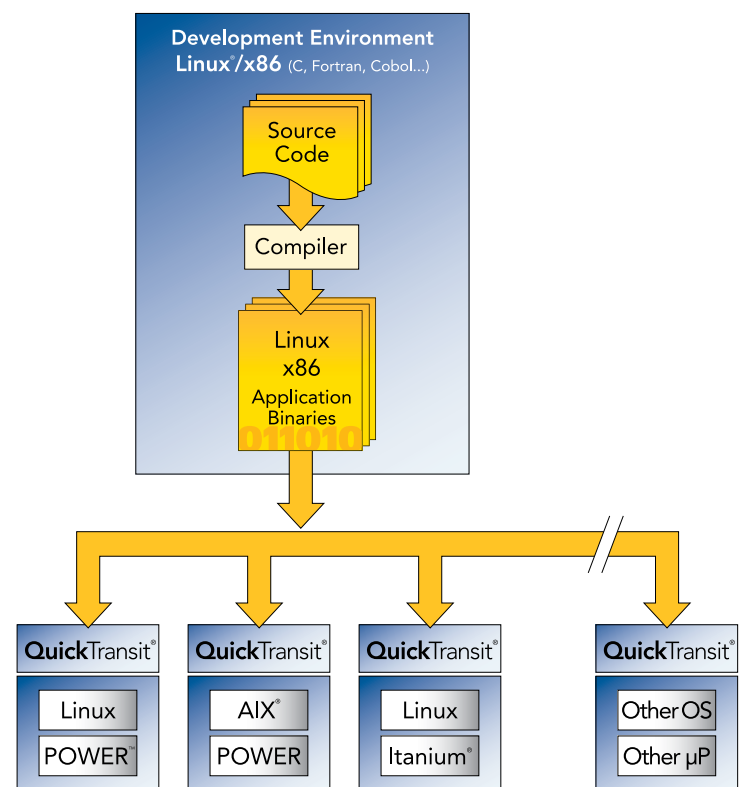
The dynamic binary translator translates binary code from one instruction set architecture to another, while the operating system mapper maps from one set of operating system calls to another and is used only in situations where the operating system has changed. The integration FUSE provides facilities for easy integration into the target system.

Please refer to our Technical Product Overview for a more complete description of QuickTransit operation.

Products for ISDG

Transitive currently provides the following products for internal software development groups. Additional combinations will be available in the near future.

- QuickTransit for Solaris/SPARC-to-Linux/Xeon
- QuickTransit for Solaris/SPARC-to-Linux/Itanium
- QuickTransit for IRIX/MIPS-to-Linux/Itanium



Find out more

QuickTransit demonstrations of many commonly used microprocessor pairs are available.

Contact a sales representative to schedule a demo:

1-408-399-6611 or sales@transitive.com

Please visit www.transitive.com for additional product and solution information.