

TRANSITIVE™

Customer Software Migration Solutions for IT Services Companies

Facilitate program performance by significantly reducing the complexity, risk, and turnaround time to transport the customer's application stack to a new platform.

Business Issue

If you are in the IT services business you probably have customers that have developed software applications for internal use, and are facing difficult challenges associated with porting these applications to modern platforms.

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

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 the original development team is no longer intact.

The availability of a technology that dramatically reduces the cost of porting legacy software—preferably one that does not require access to source code or developers—would allow IT service providers to offer porting services that are dramatically less expensive, substantially shorter in duration, and yet still provide higher profits for the service provider.

Transitive's Solution

Using Transitive's QuickTransit®, IT services personnel can dramatically reduce the cost of supporting legacy software on new, modern platforms. QuickTransit allows software applications compiled for one platform to be run on another without any source code or binary changes, with support for software written in C, C++, Fortran, Cobol, or any other language.

The applications generally run significantly faster than on the old platform, and run at approximately 80% of the speed that would be achieved if a native recompilation were completed on the new platform. Graphics and interactive performance are transparent to the user.

Functionally, the applications run identically. Since there are no source or binary code changes, all IT services personnel need do is perform final testing to assure proper operation on the new platform.

To deploy the technology, IT services personnel would simply distribute QuickTransit along with the application binaries created on the old platform, and install 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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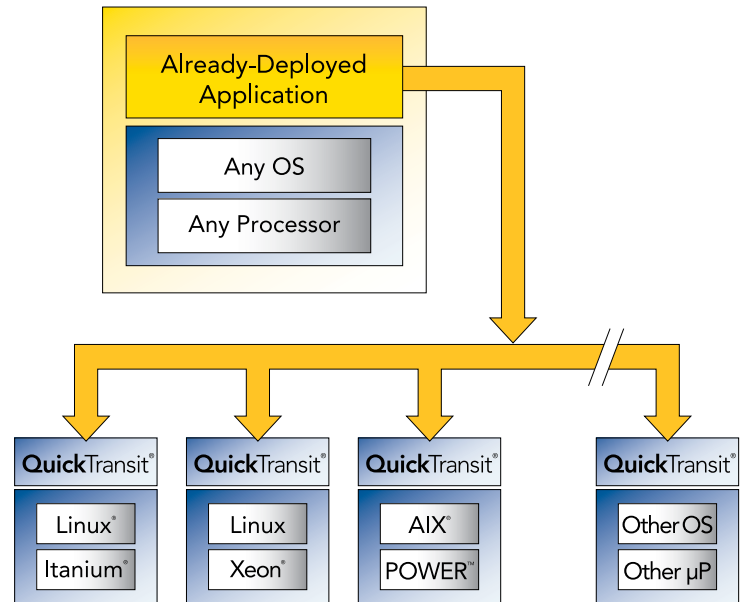
QuickTransit Overview

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.



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.