

TRANSITIVE™

Strategic Processor Migration Solutions for Communications Companies

*Dramatically reduce the risks associated with a processor change,
and ramp sales of your new product faster with full application support.*

Business Issue

If you are developing communications systems, there are many business reasons why you may consider changing the processor at the heart of your system.

To reduce costs, or take advantage of a better technology roadmap, you may want to move from an internally developed processor to one that is commercially available. Or, you may want to simply move to a cheaper processor to reduce your bill-of-materials cost. Whatever the reason, switching processors can be very risky and expensive.

Whether you've developed all the software for your communications product internally, rely on third parties—or count on both—getting all the software to run on a new processor can be expensive and time consuming. More important, it can add significant risk to the success of the new product.

What's needed is a cost-effective, easy way to get the software base available on the old processor to run on the new one—dramatically reducing the risks associated with a processor change, and allowing you to ramp sales of the new product faster.

Transitive's Solution

Using Transitive's QuickTransit, communications companies can switch microprocessors and retain support for all third party and internally-written software that were available on the old system. QuickTransit allows software written for one processor and operating system to be run on a system with a different processor and operating system without any source code or binary changes.

The software generally runs faster on the new platform than on the old, and at approximately 80% of the speed that would be achieved if a native recompilation were completed for the new

system. Functionally, the software runs identically. Since there are no source or binary code changes, a third-party or internal software developer need only perform final testing to assure proper operation on the new platform. QuickTransit's operation is completely transparent.

Transitive's product family eliminates barriers to porting software, leading to immediate software support for the new platform, faster time-to-market, and significantly lower costs associated with maintaining multiple platforms during transitions.

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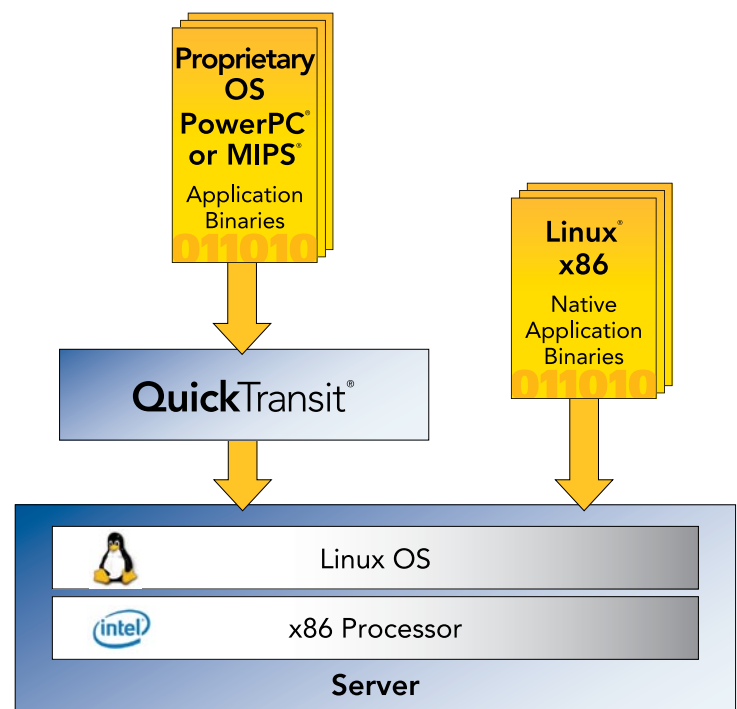
QuickTransit Overview

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.