

TRANSITIVE®

The leader in cross-platform virtualisation

I|C|E™ systems

QuickTransit® for Solaris™ /SPARC®-to-Solaris™ /x86-64

Run Solaris/SPARC software on Solaris/x86 servers - without porting!

Transitive's innovative QuickTransit® for Solaris™/SPARC®-to-Solaris™/x86-64 is an enterprise **cross-platform virtualisation** solution that allows Solaris/SPARC applications to run on industry-standard Solaris/x86-based platforms, without any changes to source code or binaries. With QuickTransit, many thousands of applications that were previously only available on SPARC-based hardware platforms can now be run on powerful, cost-effective, and energy-efficient Solaris/x86 systems from Sun, IBM, HP, and other vendors. As a result, QuickTransit adds immediate value to any system running Solaris/x86, while also extending the useful life of internally-developed, open source or commercial Solaris/SPARC applications.

QuickTransit allows IT organisations to:

Modernise and standardise datacentre hardware infrastructure without suffering the expense, delays, and disruptions of application porting projects;

Stretch datacentre budgets and reduce maintenance costs by allowing expensive legacy hardware to be rapidly replaced by smaller, faster, and more energy-efficient platforms;

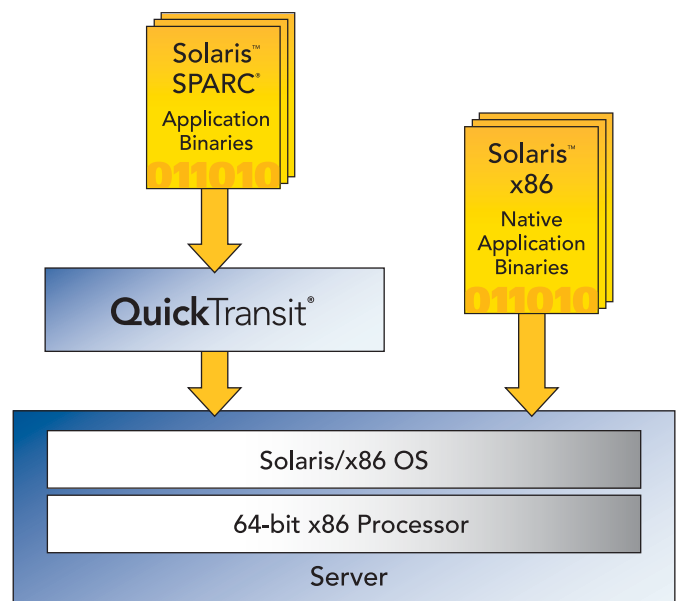
Extend the useful life of key enterprise applications and rejuvenate critical workloads by migrating them to more powerful platforms while avoiding the cost of porting projects; and

Broaden datacentre consolidation projects beyond x86 servers to include legacy applications that were previously usable only on legacy SPARC-based platforms.

QuickTransit allows software developers to:

Extend platform coverage of enterprise applications. Software developers who have invested resources in creating Solaris/SPARC applications can utilise QuickTransit to make their products available to customers using x86-based hardware, without incurring the delays or expense of porting projects.

Maintain customer relationships. When customers migrate to new hardware platforms, software developers can continue to support the same applications running via QuickTransit on the new servers, thereby extending their market opportunity and maintaining longer-term customer relationships.



"QuickTransit has allowed the Luxembourg Stock Exchange to extend the benefits of datacentre virtualisation to its Solaris/SPARC workloads and at the same time, boost the performance of those applications significantly."

Bernard Simon
Head of IT
Luxembourg Stock Exchange

"We were running our most important application on ancient boxes, and the improvement [using QuickTransit] is amazing. The increase in speed and performance has to be 200%."

Gary McAllister
IT Lead
King's College Hospital

How does QuickTransit work?

The QuickTransit cross-platform virtualisation solution allows software compiled for one processor/operating system to run on a system with a different processor/operating system, without any source code or binary changes. QuickTransit is a user space application that runs above the operating system and dynamically translates processor instructions and operating system calls as an application is running. QuickTransit's dynamic translation includes unique optimisation capabilities that improve performance over time, as frequently-used code is identified and optimised. Most importantly, QuickTransit's operation is completely transparent to the users of an enterprise application. In fact, the only change that users may note is that application performance often improves, since newer hardware platforms running QuickTransit are generally more powerful than the outdated legacy systems they replace.

QuickTransit Features

Breakthrough Performance

Achieve faster performance than the original SPARC-based servers. On modern servers using Intel or AMD x86 processors, applications running translated via QuickTransit typically perform two to four times faster than on the original UltraSPARC II or III servers.

Full Functionality and Transparent Migration

Applications "just run". Applications are fully functional in the new environment.

Applications are fully interoperable. Translated applications can run alongside or interact with other natively compiled Solaris/x86 and translated applications on the same system. They work fully with native and translated databases and can run on physical or virtual servers.

Migration is completely transparent to users. Users invoke and use applications exactly the same way. No special environment or shell is required.

A broad range of applications and operating systems are supported. Applications from servers running Solaris 2.5.1 and above are supported, including 32- and 64-bit platforms. QuickTransit supports SPARC V8, V8+, and V9 instruction sets.

The complete Solaris environment is supported. QuickTransit supports all programming languages, and Solaris scripts run without modification.

Improved Application Management

Provides a common platform for all applications. QuickTransit enables a single, common platform for Solaris, Linux, and Windows workloads.

Application management is consistent. IT systems administrators can continue to install and manage Solaris/SPARC applications in the same way. Use and management of translated applications is identical in behaviour as on Solaris/SPARC systems, so no re-training is required.

100% Server Virtualisation Compatibility

QuickTransit is compatible with all virtualisation solutions. Translated applications can run inside virtual machines or partitions used by popular enterprise virtualisation solutions such as VMware and Xen.

Leverage all server virtualisation benefits. Using QuickTransit with virtualisation enables rapid provisioning, high availability, and the consolidation of multiple Solaris/SPARC workloads onto a single host platform.

Virtualisation improves recoverability. Virtualisation facilitates rapid provisioning and archiving of applications. This in turn improves availability and up-time.

QuickTransit® Enterprise Solutions

Transitive's QuickTransit enterprise product line offers a unique set of capabilities that are utilised by its customers in a number of different ways.

To better address the individual needs of these customers, each QuickTransit enterprise product is available in different configurations:

- QuickTransit Workstation** for enhancing personal productivity
- QuickTransit Server** for datacentre consolidation initiatives
- QuickTransit Legacy** for legacy application re-hosting

	Workstation	Server	Legacy
Physical or virtual deployment	√	√	√
Node-locked licence	√	√	√
Virtual-only licence option		√	√
Floating licence for workload flexibility		√	√
Multi-socket performance option		√	√
Multiple virtual CPU performance option		√	√
Current Solaris (8, 9, and 10) support	√	√	√
Legacy Solaris (2.5.1, 2.6, and above) support			√