



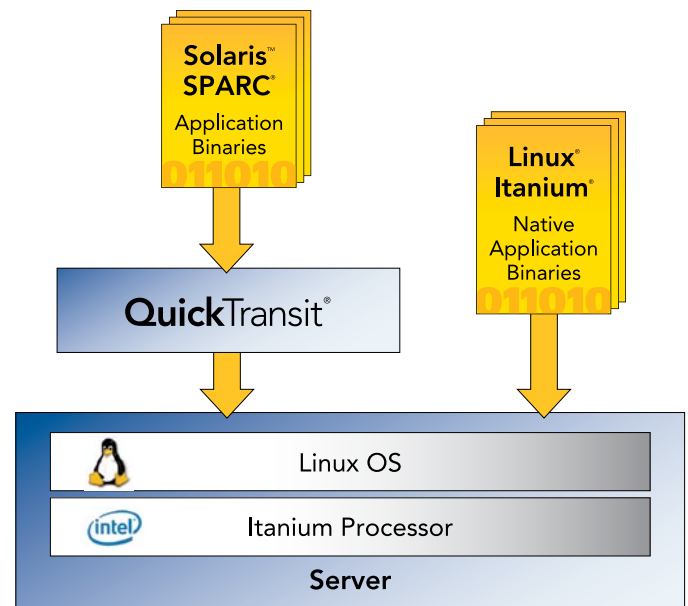
# QuickTransit® for Solaris™ /SPARC®-to-Linux®/Itanium®

## What is QuickTransit for Solaris/SPARC-to-Linux/Itanium?

QuickTransit for Solaris/SPARC-to-Linux/Itanium allows software applications that have been compiled for the Solaris operating system and the SPARC processor to run on servers that use the Linux operating system and Itanium processor, without requiring any source code or binary changes.

QuickTransit allows IT organizations to:

- Migrate to new strategic server platforms in a fraction of the time and therefore receive the TCO benefits of the new platform much sooner.
- Decouple the decision to move to a new strategic server platform from the process of porting and updating internally developed software applications.



## How is QuickTransit used in the enterprise?

- **Immediately migrate internally-developed software applications.** Eliminate the need to port internally-developed applications by running existing Solaris/SPARC binaries on Linux/Itanium servers.
- **Commercial application stack is immediately available on Itanium based platforms.** Eliminate the need to wait for ISVs to port applications to Linux/Itanium servers.
- **Immediately migrate applications whose source code is lost or otherwise unavailable.** Solve the problem of how to deal with "orphaned" applications.
- **Immediately migrate old versions of applications that won't be ported.** Eliminate the requirement to upgrade to new releases of applications in order to migrate to a new platform.
- **Decouple the software and hardware migration process.** Quickly migrate to lower TCO server platforms while providing software development organizations time to support the new platforms over a longer time period.
- **Run Solaris/SPARC applications in virtual partitions.** Get all the benefits of virtualization software when running Solaris/SPARC applications.

## How does QuickTransit work?

The QuickTransit hardware virtualization technology allows software compiled for one operating system/processor to run on a system with a different operating system/processor without any source code or binary changes. QuickTransit is a user-space application that runs above the operating system like any other application and dynamically translates processor instructions and operating system calls as an application is running. QuickTransit's operation is completely transparent to the user of an application—an application user does not need to know whether he/she is running a translated application or one that is compiled for the platform it is running on.

## QuickTransit Features

### Performance

- **Performance faster than the fastest SPARC server.** Solaris/SPARC applications run faster through translation on the Linux/Itanium server than they do on the fastest Solaris/SPARC server and 2-4 times faster than on older Solaris/SPARC servers.

### Functionality

- **Full application functionality supported.** All features and functions of an application are supported and work as expected.
- **Multiple UltraSPARC instruction sets supported.** Currently V8, V8+, and V9 supported with others in the future.
- **32-bit and 64-bit Solaris/SPARC applications supported.** Full range of applications supported.
- **Multiple Solaris versions supported.** All applications compiled for Solaris 2.6 and above supported.
- **Complete Solaris environments supported.** QuickTransit supports all programming languages and Solaris scripts work unmodified.
- **Multiple Linux environments supported.** Support for Red-Hat AS4 and SuSE SLES 10. Other versions of Linux can easily be supported and will be made available as market demand dictates.

### Interoperability

- **Full application interoperability.** Translated applications also run alongside or interact with other natively compiled and translated applications.

### Transparency

- **Complete end-user transparency.** Use, and management of translated applications is identical in behavior as on Solaris/SPARC. Same invocation as natively compiled applications. As a result, application users do not need to know whether an application is being translated or is natively compiled.

### Manageability

- **Transparent application management by system administrators.** Installation and management of Solaris/SPARC applications by the IT systems administrator is consistent with Solaris/SPARC application management.
- **Management of Solaris/SPARC applications in the Linux environment.** Simply use Linux tools in the target system to do system management, monitoring, and administration.

*For more information please visit  
[www.transitive.com](http://www.transitive.com)*

*or contact Transitive at 1-408-399-6611 or [sales@transitive.com](mailto:sales@transitive.com).*