

Mission Accomplished

SAP Business Applications rapidly transported from SPARC on Solaris 8 to PRIMERGY/Intel® Xeon® processor-based system on Linux



»We are strongly impressed by the PRIMERGY/Linux and QuickTransit® Solaris Transition solution of Fujitsu Siemens Computers. The easy transfer of our old Solaris based SAP R/3 applications to Industry Open Standards with Intel® Xeon® processor-based PRIMERGY system on Linux – without any need for costly recoding efforts – was our biggest surprise.«

Serge Dublet, Head of IT at Cactus SA

→ The Challenges

- **Aging Sun Fire Solaris servers run out of support by the end of this year** – a replacement is required that provides a cost-effective alternative to the expensive Sun SPARC platform and their silver maintenance costs
- **SW applications based on the SAP R3 4.0 release need to be kept in operation** – some key financial applications, working with historical customer data, need to be kept operating, without customization for more recent SAP releases
- **Smooth & easy move to new and more efficient standard platforms** – quick transition and IT integration without the need to »touch the code« or modify data – and a favourable return on investment

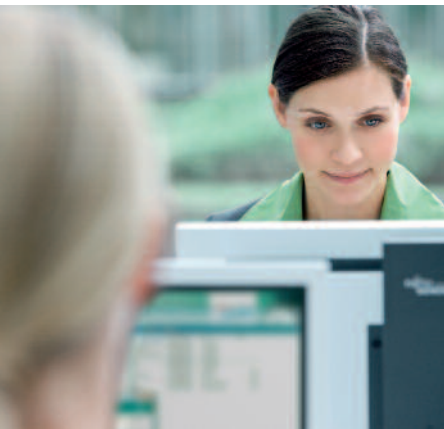


→ The Results

- **PRIMERGY RX300-S4 rackmount server, based on Intel® Xeon® processor 5400 series resulted in a 2 x reduction** in production database back-up times and will start **saving money** immediately

»The easy transfer without any need for costly recoding efforts thanks to QuickTransit was our biggest surprise. This new environment will start saving money immediately.«

Serge Dublet, Head of IT at Cactus SA



→ The initial situation

As aging V-series SUN servers are running out of vendor support by the end of the year, Cactus has been searching for a reliable, cost effective alternative. Since new SPARC hardware only supports Solaris 10, which is not certified to run with the older SAP release used by Cactus, an alternative solution had to be identified, which would

- keep the SAP applications currently used in full production
- provide favourable cost of operation versus keeping the old SPARC servers active, including the premium support/maintenance costs and efforts
- enable a smooth and easy transition of applications and data without the need to modify/re-architect code and data

→ The customer

Cactus SA (www.cactus.lu) is Luxemburg's leading retail chain, running more than 20 stores with sales area in excess of 56.200 sqm. Cactus is the second largest private domestic employer with about 4,000 employees.

Cactus use SAP R3 Rel. 4.0, originally installed on SPARC based systems with Solaris operation system.

www.cactus.lu

→ Solution components

- Industry Standard PRIMERGY Servers from Fujitsu Siemens Computers with the latest Intel® Xeon® processor technology together with TRANSITIVE Quick-Transit® for Solaris™/SPARC®-to-Linux®/x86-64 were combined to provide the tailored solution for Cactus.
- QuickTransit® by TRANSITIVE enables applications developed for Solaris/ SPARC to run unmodified on Linux/x86-64. Moreover, applications certified to run on the «old» generations of Solaris 2.6, Solaris 8 & Solaris 9 operating systems can be transferred seamlessly on the new PRIMERGY environment.
- A PRIMERGY RX300-S4 rackmount server, equipped with two Intel® Xeon® X5460 processors was selected as the new target platform to prove the feasibility of easy transition to the Novell/Suse SLES 10 Linux/x64 open standard platform. This platform replaced a two socket V-series SUN Server.
- The migration expertise of Fujitsu Siemens, based on the in-depth know-how of both the Solaris operating system environment and the LINUX open source ecosystem significantly lowered the customer «perceived» complexity and the potential risks in actually performing the transition. TRANSITIVE Quick-Transit® for Solaris™/SPARC®-to-Linux®/x86-64 provided the basic software technology to make the old Solaris application work on Novell Suse Linux SLES 10 without modifications



→ The Project

Cactus decided to partner with Fujitsu Siemens Computers to conduct a joint proof of value to prove the feasibility of a smart Transition of its SAP R/3 4.0 installation and to explore the added values expected. Together with the FSC migration expert team, the development instance – (a copy of the production instance) for both the SAP R/3 applications and the Oracle 8 Database services were transferred to the new PRIMERGY LINUX platform with Transitive's QuickTransit for Solaris/SPARC-to-Linux x86-64 installed. In no more than 3 days, the selected parts of the solution were up and running on Linux without any code changes to the Solaris applications used, including integration with the company's backup servers.

User tests were then conducted to confirm detailed well-behaviour of the »transitioned« application landscape with SAP R3, Oracle and Legato Networker as backup service.



→ The Benefits

Not only did the new solution prove a 1:1 functional equivalence to the »old« Solaris 2.6/ Sun V-series platform that was in current production. The end-users reported a much faster response time for the services, wondering where those improvements came from. The customer's IT operators experienced further massive improvements in service quality when they conducted recovery of the production database with the new solution platform. While on the old SUN Solaris SPARC platform rback-up time was 4 hours, it went down to only 2 hours with the new Intel® Xeon® processor-based PRIMERGY server.



→ **Technology Partner**

Quick-Transit® for Solaris™/SPARC®-to-Linux®/x86-64 by TRANSITIVE ist the key software technology to make Solaris applications seamlessly work in Linux/x86 without modification of code or data. It enables to secure and extend the lifecycle of Solaris applications that are used and needed since years beyond the aging Sparc Server end of life and end of support.

Transitive's QuickTransit® for Solaris™/SPARC® to Linux®/x86-64 allows IT managers to break the hardware|software dependency and rapidly transport enterprise applications from outdated Sparc Solaris hardware to the latest generation of fast 64-bit Intel® Xeon® x86-based servers, with no disruption to end users.

In any case, CACTUS now has a firm understanding of what benefits they obtain with the PRIMERGY/ Linux QuickTransit solution as opposed to their current situation of running the old and aging Solaris SUN V-series server and their implied high service costs and support issues. The cost of acquisition for the new solution will likely pay back in less than 12 months against the cost implications of staying along with the current situation.

→ **Benefits of the solution**

- Simple transition without time-consuming and expensive modifications to code or data
- Guarantee of 1:1 functionality of »old« SAP applications in new environment
- Reduction in operating and maintenance expenses
- Time needed for backups has been cut by half
- Significantly faster response times at end user workstations
- Rapid return on investment (ROI)

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(14 cents/min.; the costs for calls from mobile networks may differ)

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© Fujitsu Siemens Computers 2008
Produced by: T/M/C GmbH, Paderborn (#8380,2)
Printed in Germany.

Published by
Fujitsu Siemens Computers GmbH
Fujitsu Siemens Computers
Heinz-Nixdorf-Ring 1
D-33106 Paderborn

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