



Payment Solutions



Electronic Transactions Switch

# TenS / Stratus ftServer Performance Report

## Introduction

In April, 2013, Stratus Technologies Availability Lab, in Maynard, MA was set up to perform a benchmark of TenS/Switch, Sistemas Criticos` EFT switching solution.

The tests showed the ability of TenS/Switch running on Stratus ftServer hardware to process a very high transactional load, without compromising performance and availability. The test also established the maximum processing capacity of TenS/Switch and the latency of the solution at these load levels.

## Benchmark's Scenario

Stratus Technologies provided the Availability Lab with the processing hardware and the networking infrastructure, comprising two high performance ftServer ft6400 fault-tolerant servers with Red Hat Enterprise Linux operating system.

ftServer model ft6400 is the high-end of the ftServer Family, Stratus` line of fault-tolerant hardware platforms for open systems, designed to support high volume enterprise class applications.

### Hardware

Function	Make	Model	OS	Processor	RAM
TenS - Switch	Stratus	ftServer 6400®	RedHat EL 6.3	2 X Intel Xeon E5-2670 ( 2,60 GHz , 8 Cores)	64G
Database & Injectors	Stratus	ftServer 6400®	RedHat EL 6.3	2 X Intel Xeon E5-2670 ( 2,60 GHz , 8 Cores)	64G

One of the installed Stratus ftServer ft6400/RHEL servers run TenS/Switch, while the other installed Stratus ftServer ft6400/RHEL run an Enterprise class RDBMS, a database on which TenS impacted all the processed transactions. This second server was also used to run the “injectors” that simulated external devices sending transactions to TenS and the “simulators” of external EFT networks, authorization hosts and HSM security boxes to provide encryption services.

This schema allowed evaluating the processing capacity on a TenS/Switch-ft6400 team dedicated exclusively to transactional capture and processing tasks.

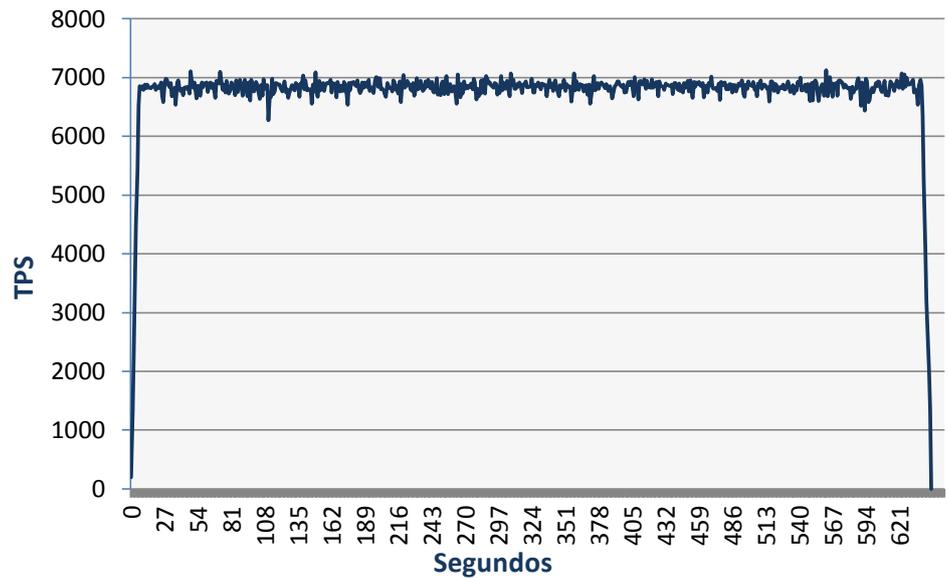


[www.sistemascriticos.com](http://www.sistemascriticos.com)

## Results

Average TPS: 6850

Average latency: 93ms



## Conclusions

TenS has proved to be a very flexible and powerful EFT solution. It behaves stable even when processing 6850 + Transactions per Second (TPS) with an average latency of 93ms. on this hardware platform. It is an effective solution to process the transaction load of any of the major financial processing centers worldwide. By design it has the ability to provide horizontal scaling (multi-node) or vertical, which is ready for even higher requirements.

### About Sistemas Criticos

Sistemas Criticos is a company focused in IT solutions and services for Mission Critical environments, Payments and On-Line Financial Transactions processing.

The company has more than 15 years of presence in the Latin American market, providing world-class solutions and services to the most demanding customers in the region.

Sistemas Criticos' TenS/Solutions Portfolio is a complete and modern software suite for the financial services industry on-line business. It's a Transactional Middleware that provides financial institutions with a modular distributed platform to capture, switch and process efficiently massive amounts of e-transactions generated in any channel. TenS' value proposition distinctive feature is Total Flexibility, to follow the customer's need to shorten and to make more efficient the Time-To-Market new financial products and services.

### About Stratus Technologies

Stratus delivers the world's only proactive availability guarantee for the platforms that run the most vital functions of commerce, manufacturing, government, financial services, and healthcare. Combining patented software and hardware technologies with 30 years of unparalleled remote monitoring and management expertise for availability, Stratus helps save lives and protect the business and reputations of companies, institutions, and governments the world over. To learn more about worry-free computing, visit corporate site: [www.stratus.com](http://www.stratus.com).

