TIBCO Software

TIBCO Software Inc. provides infrastructure software for companies to use on-premise or as part of cloud computing environments. Whether for efficient claims or trade processing, cross-selling products based on real-time customer behavior, or averting a crisis before it happens, TIBCO provides companies the two-second advantage™—the ability to capture the right information, at the right time, and act on it preemptively for a competitive advantage. More than 4,000 customers worldwide rely on TIBCO to manage information, decisions, processes, and applications in real time.

Customer Challenges

TIBCO had virtualized some of their IT infrastructure and wanted to extend this process to enable a virtualized Disaster Recovery capability. Some of TIBCO's system had been initialized using x86 blade servers and a high-end FC SAN, and benchmark testing revealed that this was too slow to serve as a viable alternative to the production system. The results were disappointing and operationally unacceptable. "This failure challenged the idea of taking our systems into a virtual environment and we were considering a physical solution until we were able to obtain a Tintri VMstore™," said Don St. Onge, CIO, TIBCO Software Inc.

Enter Tintri VMstore™

TIBCO re-ran the test, using the same application server and database, but replaced the existing SAN with a Tintri VMstore. Performance increased dramatically with the virtualized instance running at parity with the production system. TIBCO saw other benefits as well: the 1 TB database consumed less than 180 GB of flash on the Tintri VMstore. "Tintri makes flash performance affordable," said St. Onge. "The results of this experiment opened a lot of eyes at TIBCO."

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Shortly after this success, TIBCO was wrestling with the performance of a budgeting and forecasting system. St. Onge suggested that his team "virtualize the database and application and conduct some testing to see what Tintri [could] do to improve performance."

TIBCO used recently retired servers for the virtualized instance. Even with only half the server horsepower, the results far exceeded expectations: the virtualized system ran about 2X faster—and with better predictability—than the physical instance. Based on these results, St. Onge is optimistic that TIBCO "will be able to substantially improve the overall responsiveness of multiple applications."

A Hidden Benefit

Many enterprise applications are licensed by the number of cores or sockets. The ability to generate high performance with fewer cores is a potentially significant cost savings for both initial purchase and recurring maintenance. This also shrinks the physical server cost and footprint, driving further savings in power and air conditioning.

Re-energized Vision

These successes with Tintri energized St. Onge's pursuit of a more virtualized IT infrastructure: "I have several applications that could benefit from the performance improvement demonstrated by the Tintri VMstore." Tintri's simplicity also enables a more agile virtualized environment.

Summary

Tintri's compression, de-duplication and VM-level granularity dovetail nicely with TIBCO's multi-layered business continuity strategy. "Building-out a virtualized environment with fewer physical resources is a significant advantage." St. Onge is excited that Tintri's existing technology and near-term roadmap will make this vision possible.

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>
> —**Don St. Onge**, CIO, TIBCO Software

Tintri