OPEN storage solutions™

Success Story

Embraer

Embraer is proud of its 30-year tradition of designing, engineering, and manufacturing successful aircraft for the world's commercial and defense markets and has achieved outstanding success in the global marketplace.

EMBRAER

One of the world's largest aircraft manufacturers and Brazil's largest exporter, Embraer is setting a course for continued achievement in the 21st century.

Embraer received a number of honours in 1999, including the Company of the Year Award from EXAME magazine, naming Embraer one of the best companies to work for in Brazil.

The Environment

Embraer had a system of distributed backup. They had a number of servers, each with their own tape drive to back up the system nightly. They were using a variety of formats including AIT and 4mm. It was becoming increasingly difficult to complete the backups nightly over the network and managing the drives and differing media was becoming cumbersome.

The Requirements

Embraer had heard that a Storage Area Network (SAN) might answer some of these questions and came to Open Storage Solutions to find out more.

They had over 25 servers supporting hundreds of users. There were a variety of operating systems; they were running Oracle and Lotus Notes, and their backup window was shrinking. They knew they needed to centralize their backup, and they wanted an architecture that would allow them to move their disk storage to the SAN in the future.

The Solution

An Open Storage Solutions® SAN was indicated by their needs, but their network came with its own challenges. One of the operating systems they were using did not support fibre-channel, the standard medium for SANs.

Open Storage Solutions designed an architecture that connected those servers to the SAN by way of gigabit ethernet to one of the NT servers on the SAN. In addition to that, to make sure that the backup window requirements were met, an increase in bandwidth from the LAN to the SAN was accomplished using quad 100Mbit ethernet streaming. In this way they fully utilized the capabilities of the four tape drives in the Exabyte X200 tape library that performed the backup over the SAN.

storage area network SANstone™ open storage solutions