



RadioFrame Networks

EMC Avamar solution supports rapid backup and restore for a fast-growing company

RadioFrame Networks' mission is simple and revolutionary: to create a new generation of wireless hardware and software that delivers on the promise of greater capability and productivity for the end user. Its solutions help telecommunications operators enhance coverage and capacity, including wireless LAN (WLAN) service for voice and data.

RadioFrame was using conventional tape for its data storage, which was becoming a challenge because backup data was increasing while the backup window was decreasing. This left the company with too much data to protect in a short amount of time. Data recovery time also was becoming unacceptable.

An EMC® Avamar® solution was chosen to replace the company's tape-based system. The technology uses client software agents that eliminate all redundant data at the source, which reduces the network traffic for backup by 99 percent, storage requirements by 90 percent, and total cost of ownership by 50 percent. Since deployment, backup windows have been reduced from 37 hours to an hour and a half, and file recovery by the user takes seconds—without IT staff assistance. Disaster recovery times also have been cut drastically from eight hours to minutes.

“RadioFrame Networks is a pre-IPO company on the fast track to substantial growth,” says Chris Smith, IT manager. “The EMC Avamar solution gave us the flexibility and competitive advantage we were looking for in a product to back up and restore our data—and within timeframes that were unmatched by any other vendor.”

Remote office data no longer a challenge

Leveraging the EMC Avamar solution, the company can take advantage of increased operational efficiencies to meet the new organizational requirements for its data centers, remote facilities, and distributed clients. Centralized protection of remote office data is done over an existing WAN infrastructure using the EMC Avamar solution's patented global data de-duplication technology, which had reduced data from 700 to 36 gigabytes, dramatically decreasing the backed up data that must be transmitted over the network.

The EMC Avamar solution uses a grid architecture that can be easily and seamlessly scaled, enabling the company to quickly and non-disruptively address data growth and retention requirements with additional storage capacity. The solution also utilizes patented redundant array of independent node (RAIN) technology, which provides high availability and fault tolerance.

A highly efficient, cost-effective disaster recovery solution

RadioFrame had to ensure that all corporate and client data could be effectively recovered in the event of a disaster. The company's previous disaster recovery mechanisms relied on tape-based solutions, which meant transporting tapes to an offsite location, and using the archived tapes to restore a data center at an alternate location in the event of a disaster. This involved significant cost and manual effort.

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Delivering a much more effective approach to disaster recovery, the EMC Avamar solution provides offsite replication of backup data over the existing network infrastructure. It ensures the backup data is retained online for rapid recovery if a disaster occurs. Data is also replicated into a datacenter located in Chicago, IL. These capabilities have enabled RadioFrame to implement a highly efficient and cost-effective disaster recovery solution.

Positioned for success

The EMC Avamar solution benefits RadioFrame by helping it meet regulatory compliance through the implementation of improved internal controls. It is providing peace of mind to the company's executives and network analysts, and it is facilitating the ability to better support the growth of corporate and customer data. All of these advantages help RadioFrame further strengthen its leadership position in the wireless infrastructure industry.



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Customer Profile
H2698