

ENSURING BUSINESS CONTINUITY

MIRAPOINT DELIVERS PROVEN, APPLIANCE-BASED SOLUTIONS WITH CARRIER GRADE RELIABILITY TO BUILD A SECURE MESSAGING INFRASTRUCTURE, CENTRALIZE CONTROL AND SIMPLIFY MANAGEMENT – ALL AT A DRAMATICALLY LOWER COST.



CONTINGENCY PLANNING AND

Disaster Recovery Requirement

Email is an integral part of conducting business today. With the increasing importance of email, even the slightest disruption in service can have significant financial impact on a business. Gartner predicts that by the end of 2007, 75% of Global 2000 companies will have emergency notification systems for employee communication as part of disaster recovery plans in the event of a crisis. As a mission critical part of an organization's communication infrastructure, disaster recovery for email systems must be a standard requirement rather than an afterthought.

Incidents to Consider

Loss of email data can result from something as simple as the accidental deletion of individual messages to the physical destruction of a datacenter through natural or manmade disasters. Regardless of the cause, the loss of this data must be quickly rectified to minimize the impact on the organization's operations.

Mirapoint's secure messaging appliances are built to minimize data loss on your email system by providing you with a variety of methods to backup and recover lost data at different levels of granularity. Depending on your requirements, you can preserve individual messages or mailboxes which is useful in the cases of accidental deletion of a messages or theft of a users computer. However in the case of hardware or software failures or some natural disaster, further measures must be taken to recover the entire system. Mirapoint offers various options for disaster recovery based on how quickly the organization needs to recover and how much information they may be willing to lose.

Cold Backup

Loss of all or part of an email store is obviously a critical event. Restoring an entire email store from individual messages is generally not practical because of the sheer number of messages and mailboxes. For this reason, taking periodic "snapshots" of the email store ("cold backups") along with incremental backups (i.e. recording just the changes from the last backup) is the most effective way to keep a relatively up-to-date backup of your email system. Sending these backup images to an off-site and secure facility accompanied by an SLA (Service Level Agreement) on the return of data generally guarantees that email data will always be backed up and in a secure location ready for when disaster strikes. This solution is inexpensive and appropriate for the majority of organizations. Mirapoint appliances support cold and incremental backups of their email stores.

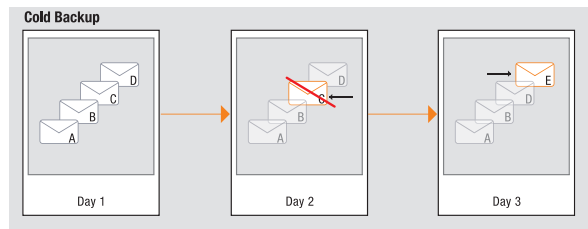
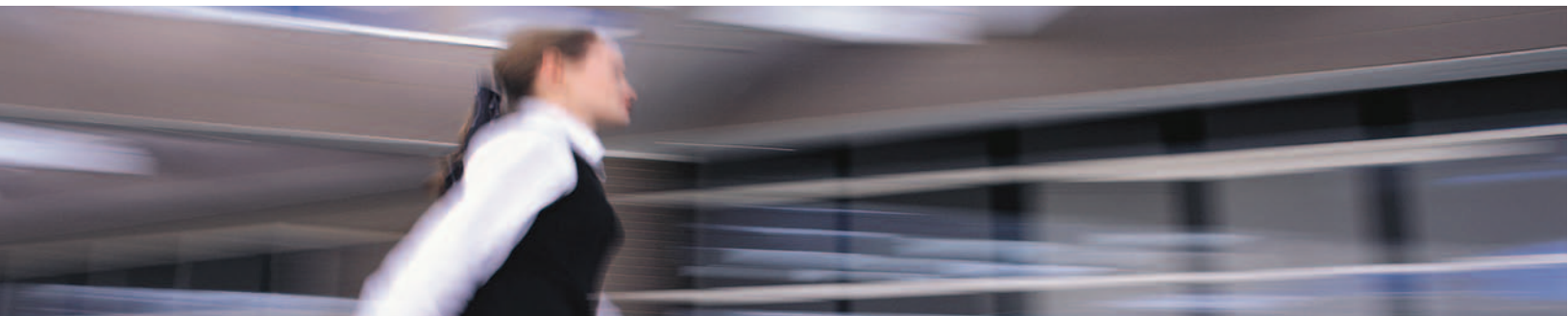


Figure 1 – Cold Backup

Disaster Recovery built for your organization.



DISASTER RECOVERY ACHIEVED.

Wide Area Site Replication

Enterprises with exceptionally time-sensitive email requirements - as with many financial, healthcare or government organizations - may need an off-site replicated storage area network (SAN) that is synchronized with (“shadows”) the data on the local store. This “hot backup” solution can limit data loss to less than five minutes. Should a disaster occur, less than an hour is required to restore users’ access to email data. In order to meet the stringent needs of customers requiring such a solution, Mirapoint appliances also support wide area replication of mail stores.

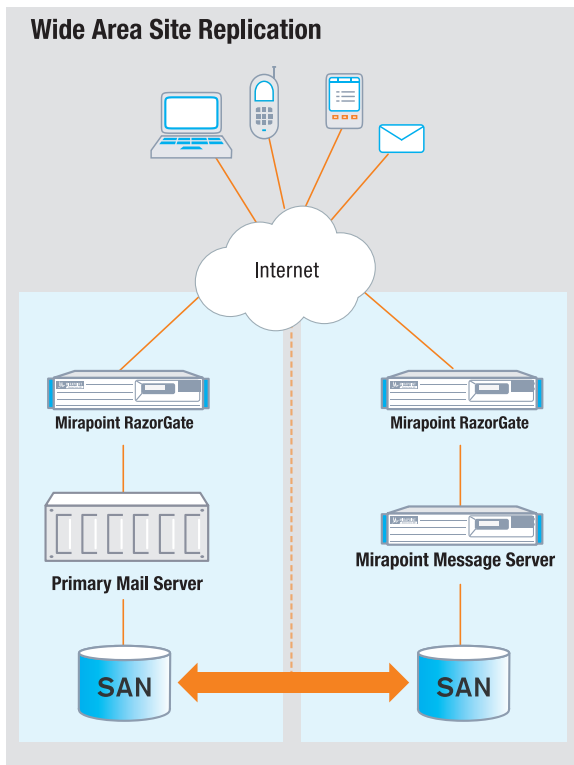


Figure 2– Wide Area Site Replication

Customized Solutions

Within the confines of the two methods suggested above are an array of data redundancy methodologies. These methods allow organizations to replicate what they need immediately and to use a cold backup for the rest of the data, therefore reducing the overall total cost of ownership (TCO) of their disaster recovery solution. Such solutions are inevitably custom since they are determined by the requirements of the organization.

Case Study of a Custom Solution

CHALLENGE:

A diversified technology, media and financial services company with customers in more than 100 countries and more than 300,000 employees worldwide needed a disaster recovery solution they could depend on. Reliability and low TCO were the driving factors in the decision.

SOLUTION:

Mirapoint split the mail stream to copy the meta data (that is, the users and groups) for the primary mail system to the backup mail server. Before sending messages to the backup mail store they were scanned for spam and viruses to prevent storing unwanted messages. This setup allows end users to continue to send and receive mail immediately following a disaster, but no historical data is available. Since there is no-one to organize the data, the organization further elected to only keep the last 30 days worth of data to provide somewhat of a historical context to message.

RESULT:

The operating cost of the disaster recovery infrastructure is optimized to fit the needs of the organization. They have a recovery solution that is immediately activated upon a disaster. They are optimizing the mail store by not backing up junk messages and by electing to use the auto-expire option they don't have to assign a dedicated resource to handle this tedious task.

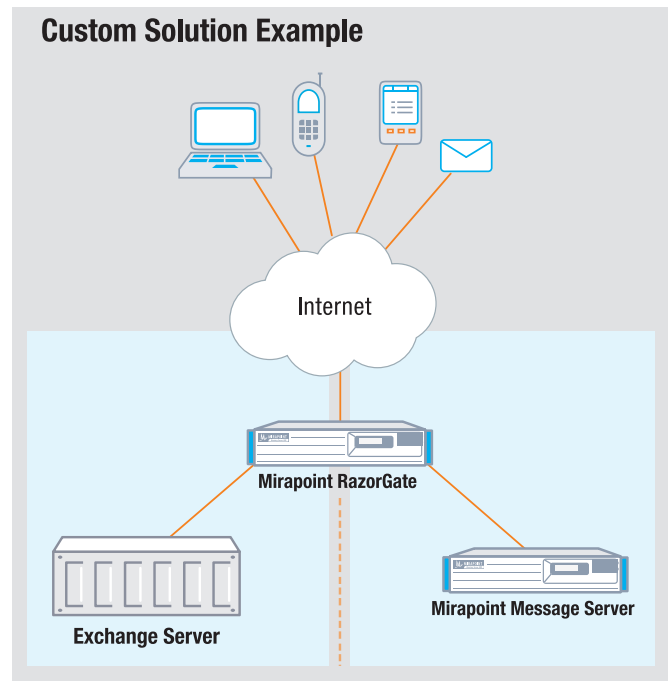


Figure 3 – Custom Solution Example

Integrated Mirapoint Disaster Recovery Solution

The cost of a disaster recovery system is essentially a function of two variables: the amount of data lost and the amount of time it takes to restore saved data. The more data which must be backed up and the quicker it must be restored the more expensive the disaster recovery solution will be. Regardless of your organization's size or backup requirements, Mirapoint has an email disaster recovery solution that will meet your needs. Mirapoint appliances support everything from backup of individual messages up to hot standby installations, making your disaster recovery planning that much easier.

Mirapoint's RazorGate is an award-winning security appliance that incorporates everything you need to ensure the safety of your network - all in a single, set-it-and-forget-it device. It blocks spam, protects against viruses and hacker attacks, and filters content for both inbound and outbound messages. It is the only stateless message transfer agent in the industry, eliminating local disk requirements and thus preventing email loss, even in case of failure.

Mirapoint's Message Server showcases the advantages of the appliance model. With Message Server, all the patches, service packs and upgrade decisions that plague other approaches simply go away. The Mirapoint Message Server supports Redundant Array of Inexpensive Disks (RAID) for dependable data backup and storage with no single points of failure. In fact, the Mirapoint Message Server has proven 99.999% availability, based on the actual monitoring of hundreds of deployed Mirapoint systems. Many Mirapoint customers state that their Message Servers have simply never gone down. But eliminating pain is only part of the Message Server story. The Mirapoint Message Server also:

- Scales to millions of users in a single network with centralized administration and management
- Provides a feature rich web-based client and support for Outlook and mobile clients
- Has the industry's lowest TCO and server consolidation advantages
- Employs a hardened operating system that has no known exploits

About Mirapoint

Founded in 1997, Mirapoint is the market leader in appliance-based solutions for secure message networks in enterprise, service provider, and education organizations, with more than 115 million mailboxes served and secured worldwide. Customers use Mirapoint appliances including the Message Server mail appliance and the RazorGate mail security appliance to build the messaging infrastructure that intelligently serves, secures and manages email. Mirapoint is headquartered in Sunnyvale, California, with offices throughout North America, Europe and Asia. For more information on Mirapoint, visit its website at www.mirapoint.com.



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