

State of Wyoming Judicial Branch



Partner Snapshot

Name

Stage2Data

Overview

Backup and recovery solutions provider

Location

Oakville, Ontario

Customer Snapshot

Name

State of Wyoming
Judicial Branch

Overview

Trial and adjudication of Wyoming legal claims

Location

Cheyenne, Wyoming

EVault Products

- EVault Software
- EVault System Restore
- EVault Agents for VMware and Microsoft Windows, SQL Server, and Exchange

www.evault.com

EVault Partner Stage2Data Helps Court Protect Statewide Records, and Save Time and Money

The State of Wyoming Judicial Branch relied on backup software that was inefficient, costly to grow and maintain, and overly complex. By switching to an EVault® storage solution, the court system dramatically slashed backup time and expanded statewide data protection using a fraction of the disk capacity previously required. EVault now protects 120 virtual and physical servers and provides nightly data protection for multiple remote branch locations.

Wrestling with Remote Backup

Nightly backup of remote court data to Cheyenne had become a growing problem. The court system's homegrown backup scripts and RSync nightly copies to Cheyenne required a backup window of four to six hours. The process also repeatedly backed up and transmitted the same remote data, and it required extensive troubleshooting.

The Wyoming Judicial Branch produces several terabytes of primary data needing nightly data protection. This includes common Microsoft Windows-based file share data and Liberty Court Recorder audio files that contain court proceedings. Court primary data needing backup also includes Microsoft Exchange e-mail data and FullCourt case management system data housed on many remote Oracle databases.

"One of the hardest parts was backing up all the data from our remote locations within our nightly backup window," says Sergio Gonzalez, a network manager in the district court system. Some of the larger courts had much bigger backup needs. "We have around 53 different Oracle databases we've had to back up across little DSL links, along with the file servers and Active Directory in all our remote locations. With DSL links, the longer your backup window, the greater the chance that connection will be severed, causing us a few hours of backup delay."

Legacy Backup Software Exacerbates the Problem

The court system had a CommVault backup solution already in place. Although it protected only eight to ten Cheyenne mail servers, the CommVault solution was deemed too complex, too storage-hungry, and too costly to expand statewide.

"We had CommVault as our backup system, but it was never fully implemented because of how difficult it was," says Gonzalez, noting that the complex CommVault interface was

Case Study

State of Wyoming
Judicial Branch

Challenges

- Remote backup process inefficient and time-consuming
- Backup software too complex, requiring too much storage
- Vulnerable to disaster

Results

- Reduced nightly backups from 4-6 hours to 45 minutes
- Cut one hour per day from backup management
- Ensured backup success over DSL lines using automated, remote backups
- Grew number of protected servers from 10 to 120—using a fraction of disk storage
- Expanded data retention to one year using minimal storage

“[Compared] to CommVault, EVault was, definitely, light years ahead.”

—Sergio Gonzalez
Network manager

too hard for training remote staff. “Another reason we didn’t use CommVault remotely was its cost per server,” Gonzalez says. “We also found it still needed a whole lot of disk storage to perform a full backup with incrementals. It honestly seemed no better than what we were doing ourselves—zipping up the files and sending them over each night.”

Gonzales and his team needed to ensure more comprehensive local and remote nightly backups. “We wanted a system that would back up all our servers,” Gonzales says. “We were getting into some major IT projects and couldn’t afford to lose data.” Recent projects included a move to VMware virtual clusters, a statewide wireless system, and a planned web-based case management migration project backed by Microsoft SQL Server databases.

Then an EVault representative came onto the scene. “We began comparing EVault technology to CommVault,” says Gonzalez. “EVault was, definitely, light years ahead.”

Stage2Data’s EVault Solution Delivers Speed, Ease, and Efficiency

An EVault product demo and proof-of-concept proved EVault software’s ease of use, faster backup speeds, low management overhead, and overall storage efficiency.

“It did what we were told it was going to do,” says Gonzalez. “We could see the numbers in our own system. The EVault interface was so much easier to see and understand. You could easily go to a server, click ‘Backup’, click ‘Restore,’ and quickly add new backup agents.” The EVault implementation went quickly, too.

Gonzalez saw EVault performing nightly remote backups in 45 minutes instead of four to six hours. “It’s been a huge change,” Gonzalez says. Backup management became so automated he no longer needed to troubleshoot remote backups or assign more storage to CommVault backups.

EVault software’s patented delta processing, which backs up only changed data blocks, reduced backup times and the amount of disk storage needed, enabling the court system to expand server data protection while increasing data retention to a full year.

“With CommVault protecting eight to ten machines [that store about 1 TB of primary data], we were burning up 14 terabytes of backup data for just 22 days of retention,” says Gonzalez. “When we asked CommVault how much space our projected 5 TB of data would take for a year’s worth of data retention, they projected 350 TB! Using their dedupe solution, they still came back with 56TB. When I asked the Stage2Data folks the same thing about EVault, I was told: ‘Take the primary number—5 TB—and double it.’”

“In the amount of storage we needed to back up ten machines with CommVault, we can do a year’s retention with all of our data backed up with EVault,” says Gonzalez. “Now, in place of just ten servers, EVault protects 120 virtual and physical servers across the state.”

Take the Next Step

To learn about EVault backup and recovery services, contact Stage2Data—phone: 855.430.0866; email: sales@stage2data.com—or visit www.stage2data.com.

466 Morden Road | Suite 200 | Oakville, Ontario L6K 3W4 | T. 855.430.0866 | E. sales@stage2data.com | www.stage2data.com



Headquarters | 201 3rd Street | Suite 400 | San Francisco, CA 94103 | 877.901.DATA (3282) | www.evault.com
Netherlands (EMEA HQ) +31 (0) 73 648 1400 | **France** +33 (0) 1 55 27 35 24 | **UK** +44 (0) 1932 445 370

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