

On-premises Backup Solution for CIO Hosted Production Applications



CUSTOMER

IBM Office of CIO

INDUSTRY

Technology

SOLUTION

Cobalt Iron® Compass®
with IBM® Storage
Protect and IBM
Storage FlashSystem®

BENEFITS

Powerful cyber
security features

Single, consistent
global solution

Hybrid solution for
multiple workloads

SMART.
SECURE.
AUTOMATED.

cobalt IRON®

IBM Chief Information Officer Organization refines UX by streamlining enterprise backup management

BUSINESS CHALLENGE

Extensive IBM infrastructure complicates backup management policies

According to IBM's IT security standards for backups, applications must have data backup solutions based upon their business criticality value. The large on-premises infrastructure at IBM requires having a backup team familiar with the production applications hosted by the IBM Chief Information Office (CIO) organization.

To help eliminate operational complexity for backup administrators, the CIO organization sought a solution to consolidate multiple siloed practices and streamline enterprise backup management. The intention was for the application owners across the enterprise to use a centralized cloud-based solution to manage backups according to IBM's standards and to protect the on-premises infrastructure.

400

About 400 application owners go to one place to configure, schedule and execute backups.

tens of petabytes

The cloud-based solution is used to backup and restore tens of petabytes of data

“The backup solution has simplified our backup operations and made our end users more self-sufficient.”

- Matt Marakovits

*Storage Architect, CIO
Network Engineering IBM*

TRANSFORMATION

Managing application backups with a centralized solution

The CIO organization implemented a cloud-based data protection solution using IBM Business Partner [Cobalt Iron](#) and IBM technology, including [IBM® Storage Protect](#) and [IBM Storage FlashSystem®](#). Cobalt Iron offered a centralized self-service portal to control and configure backups, schedules and policies. It also provided a dashboard to see the status and health of the protected environment. Storage Protect provided data resilience for physical file servers, virtual environments and Software as a Service (SaaS) applications while IBM FlashSystem delivered flash array storage with low latency.

The solution provided a centralized portal with enterprise-class backup and restore features for Red Hat® containers, Red Hat virtual machines, IBM AIX®, Microsoft Windows, Linux® and Linux on IBM Z, as well as IBM Db2® and SQL databases. It integrated nodes from multiple platforms to streamline the CIO hosted production applications backup and restore procedures by providing a single pane of glass to execute all operational management directly from the portal including provisioning new systems, changing schedules and adjusting management policies.

Going forward, the CIO organization plans to continue providing second-level support to the application owners and collaborating with Cobalt Iron to help further enhance product features and capabilities.

OUTCOMES

Enterprise backup management using IBM Storage and Cobalt Iron

With this new enterprise backup solution, the CIO organization delivered a unified user experience by having a single-entry point for all application owners to configure and maintain the IBM backup infrastructure. About 400 application owners can now leverage a single portal to configure, schedule, create and restore backups. The Cobalt Iron portal simplifies the backup and restore processes for applications owners to protect petabytes of critical production application data.

“The CIO organization uses Cobalt Iron’s managed service to back up critical CIO data. ”

- John Mullin

Chief Executive Architect,
CIO Network Engineering
IBM



About IBM Chief Information Officer (CIO) organization

The IBM Chief Information Officer (CIO) organization leads IBM’s internal IT strategy and is responsible for delivering, securing, modernizing and supporting the IT solutions that IBM employees, clients and partners use to do their jobs every day. The CIO organization’s strategy encompasses creating an adaptive IT platform that makes IT tools, applications and systems easier to access across the enterprise, accelerates problem-solving and serves as an innovation engine for IBM, catalyzing business growth.

Solution components

[IBM® Storage Protect](#)

[IBM Storage FlashSystem®](#)

[Cobalt Iron Compass®](#)

The CIO organization uses IBM Storage products and Cobalt Iron to redefine the way backups get done.

The CIO organization implemented a self-service backup solution using IBM FlashSystem, Storage Protect and Cobalt Iron to help increase application owners’ productivity by streamlining the way backups for CIO hosted production applications get done.

Learn more about [IBM® Storage Protect](#)

Learn more about [IBM Storage FlashSystem®](#)

[Case Study can be found On IBM website here](#)

Legal

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