COBALT IRON SOLUTION BRIEF

How Cyber Shield™ Technology Makes Compass® Ransomware Protection Unique

> *"The Compass architecture is positioned to safely back up an organization's most critical data and, most importantly, recover that data no matter what caused the data integrity issue. Organizations looking to gain confidence in their data protection strategy with a near-autonomous and simplified backup solution should take a deeper look into Cobalt Iron Compass."*
>
> — Enterprise Strategy Group (ESG)

SHELTERED® HARBOR

ENTERPRISE 2020-21 DCIG TOP 5 ANTI-RANSOMWARE BACKUP

10 Best Cyber Security Companies CIO Bulletin 2021

SMART.
SECURE.
AUTOMATED.

cobalt IRON®

Compass offers a unique, market-leading approach to ransomware protection of backup data. Because of this approach, Compass is much more than a backup product. Compass is a backup and security solution that delivers automated data protection and security, at enterprise scale. How is Compass different?

Compass Architecture Provides Inaccessibility-by-Design

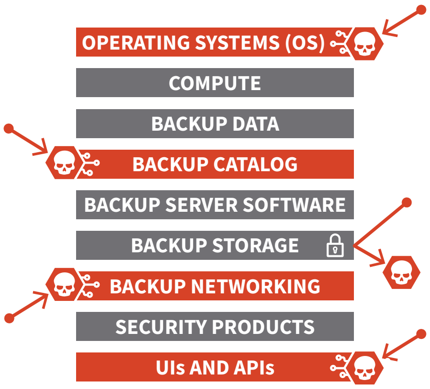
Typical backup deployments are being hardened with good security features but remain vulnerable to many attack points across the backup landscape. For example, you may have partial protection with immutable storage but may still be vulnerable to attack on the backup OS or backup catalog. With Compass, data security is not an added-on feature but a core part of the architecture referred to as Cyber Shield. Compass embeds, automates, and orchestrates not just the backup technologies, but the entire backup infrastructure, including but not limited to:

- Backup data
- Compute
- Operating Systems (OS)
- Backup server software
- Backup catalog
- Backup storage
- Backup networking
- UIs and APIs
- Security products

Cyber Shield Entire Backup Landscape with Compass

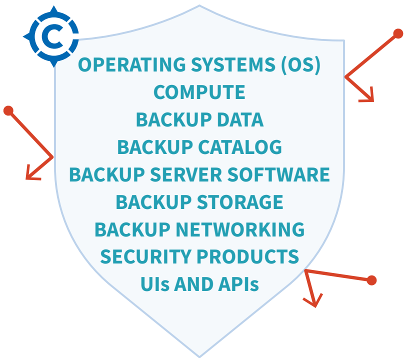
Backup Point Products

Point security features offer some protection but can leave other components vulnerable to attacks.



Compass Deployment

The unique Compass architecture—by its inherent inaccessibility—provides a Cyber Shield over the entire backup landscape.



More than a backup appliance or hyperconverged backup product, Compass completely automates all those components — to the extent that there are no user IDs or access to any components of the backup landscape. The result is a locked down, secure backup environment, creating the Cyber Shield that eliminates dozens of common attack points in other backup product deployments.

Security Features Included in Every Compass Deployment, for Every Customer

In addition to the cyber protection built-in to the architecture, Compass also includes comprehensive ransomware detection, impact analysis, reporting, and continuous security optimizations. All Compass customers immediately benefit from the latest security protections and innovations because Compass is delivered in a SaaS model. No more manual patches or upgrades.

Compare Compass Security Protections to Your Deployment and Competitors

Compass stands up to rigorous scrutiny where security features and capabilities are a top concern.

SECURITY CAPABILITIES	COMPASS	OTHER PRODUCTS
Software automated backup operations and administration	✓	
Zero accessibility to backup components or backup data (hardware and software, even for backup administrators)	✓	
Multiple, automatically managed, copies of backup data, including off-site	✓	
Multiple, isolated, security zones	✓	
Data always locked down within the customer's security access zones	✓	
Multiple levels of air-gap	✓	
Inability for malware to ever be executed, accessed, or spread	✓	
Data validation integrity checks at data ingest and recovery at both block and object/file level	✓	
In -flight and at rest encryption	✓	
Automated, periodic encryption key rotation	✓	
Immutability of backup data and backup catalog	✓	
Backup data deletion only possible by retention policy, and multiple approval levels for any policy changes	✓	
Comprehensive data governance that provides defensible auditing of all backup operations	✓	
Robust authentication including Multi-Factor Authentication to the solution dashboard for visibility and management, without granting access to backup components or backup data	✓	
Ransomware monitoring and analysis to identify dozens of data distortion patterns	✓	
Cyber-attack event impact assessment analytics to identify infected systems and data, recommended clean recovery points, and recommend data to be recovered	✓	
Cyber-attack event recovery and validation	✓	
Automated rejection and logging of all unauthorized activities in backup environment	✓	
Guaranteed data locality policy enforcement to meet GDPR and other regulations	✓	

888-584-4766 • www.cobaltiron.com