

Compass® Cyber Shield™ Enables Ransomware Attack Protection

“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)

Compass offers a unique approach to ransomware protection of backup data, ensuring organizations are not only recovery-ready but proactively battling against cyber attack events. Compass Cyber Shield is a backup and security solution that delivers automated data protection and security at enterprise scale. How is Compass different?

Compass Architecture is Inaccessible-by-Design

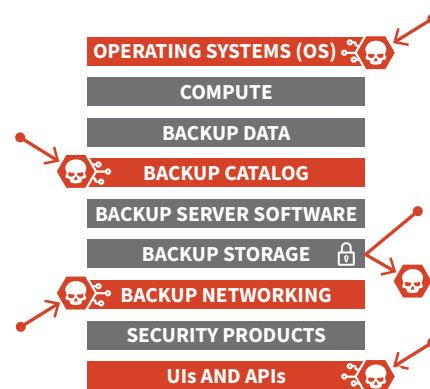
Typical backup deployments are being hardened with good security features, but those products remain vulnerable to many attack points. For example, an organization may have partial protection with immutable storage but may still be vulnerable to attack on the backup OS or backup catalog. With Compass,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

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

Typical Backup Deployments vs. Compass Cyber Shield

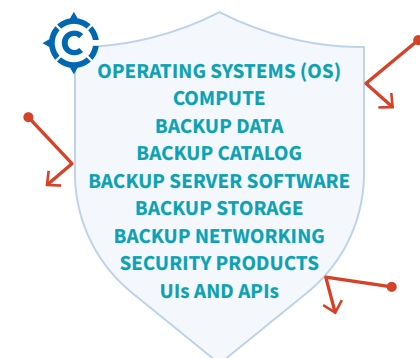
Backup Point Products

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



Compass Deployment

The unique Compass architecture—by its inherent inaccessibility—shields the entire landscape.



SMART.
SECURE.
AUTOMATED.



More than a backup appliance or hyperconverged backup product, Compass completely automates all those components — to the extent that there are no customer IDs or access to any components of the backup

landscape. The result is a locked-down, secure backup environment with the Cyber Shield protection eliminating 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 hardware and software components or backup data	✓	
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 zones of air-gap	✓	
Cyber-attack event recovery and validation	✓	
Data validation integrity checks at data ingest and recovery at both block and object/file level	✓	
In-flight and at-rest encryption to storage	✓	
Automated, periodic encryption key rotation and TLS certificate management/rotation	✓	
Immutability of backup data and additive ingest only	✓	
Backup data deletion by retention policy only, and multiple approval levels for any policy changes	✓	
Comprehensive data governance with 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 data distortion	✓	
Cyber-attack event impact assessment analytics to identify infected systems and data, recommend clean recovery points, and recommend data to be recovered	✓	
Automated rejection and logging of all unauthorized activities in backup environment	✓	
Data locality policy control and enforcement to meet required regulations	✓	

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