

# Keep Your ONTAP Data Protected from Ransomware with NetApp Cloud Backup

Ransomware is a major threat for any enterprise. Your backups are your last line of defense against it.



BlueXP backup and recovery uses NetApp Cloud Backup to provide ONTAP users with a multi-layered solution to protect backup data from ransomware attacks:

- > Immutable and indelible backup
- > Built-in security
- > Direct backups eliminate a point of failure
- > Cross-region, multi-account air gapping
- > Object locking with DataLock
- > Automatic alerts about attempts to corrupt your backups
- > Dark site deployment options to isolate backups from internet access



## Immutable and indelible by design

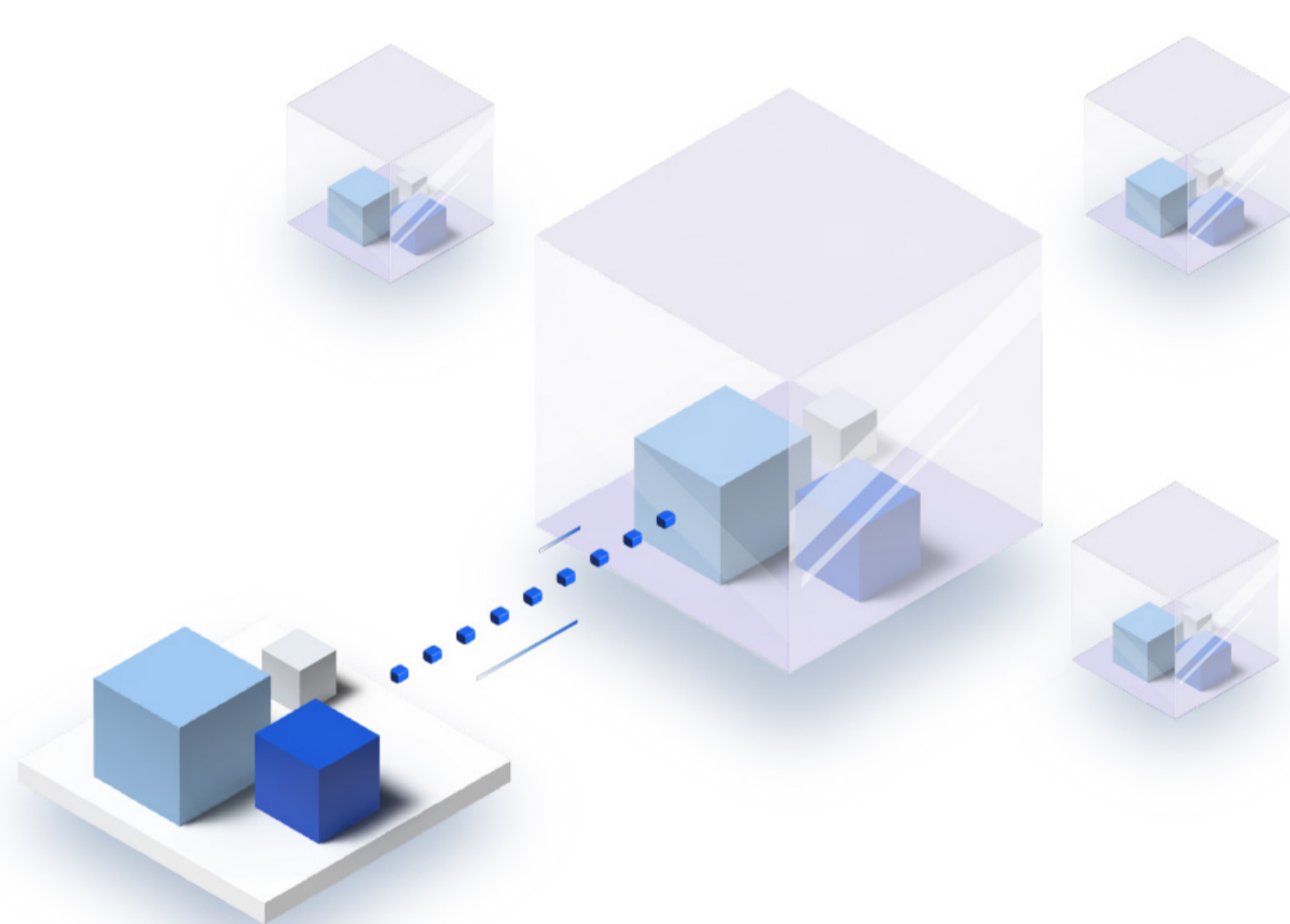
NetApp Snapshot™ technology creates immutable, point-in-time, read-only copies of your ONTAP data, ensuring your backup data can't be changed. Stored remotely, they provide a failsafe outside of the primary blast radius.

[Read More About Immutable Backups →](#)

## Built-in security features

Cloud Backup comes with a full complement of out-of-the-box security features that help keep your backup data secure, including end-to-end encryption (AES 256-bit encryption at rest and TLS/HTTPS encryption in flight), CMK and proxy support, RBAC controls, and SOC 2 Type 2 certification.

[Read More About Security →](#)



## Direct backups

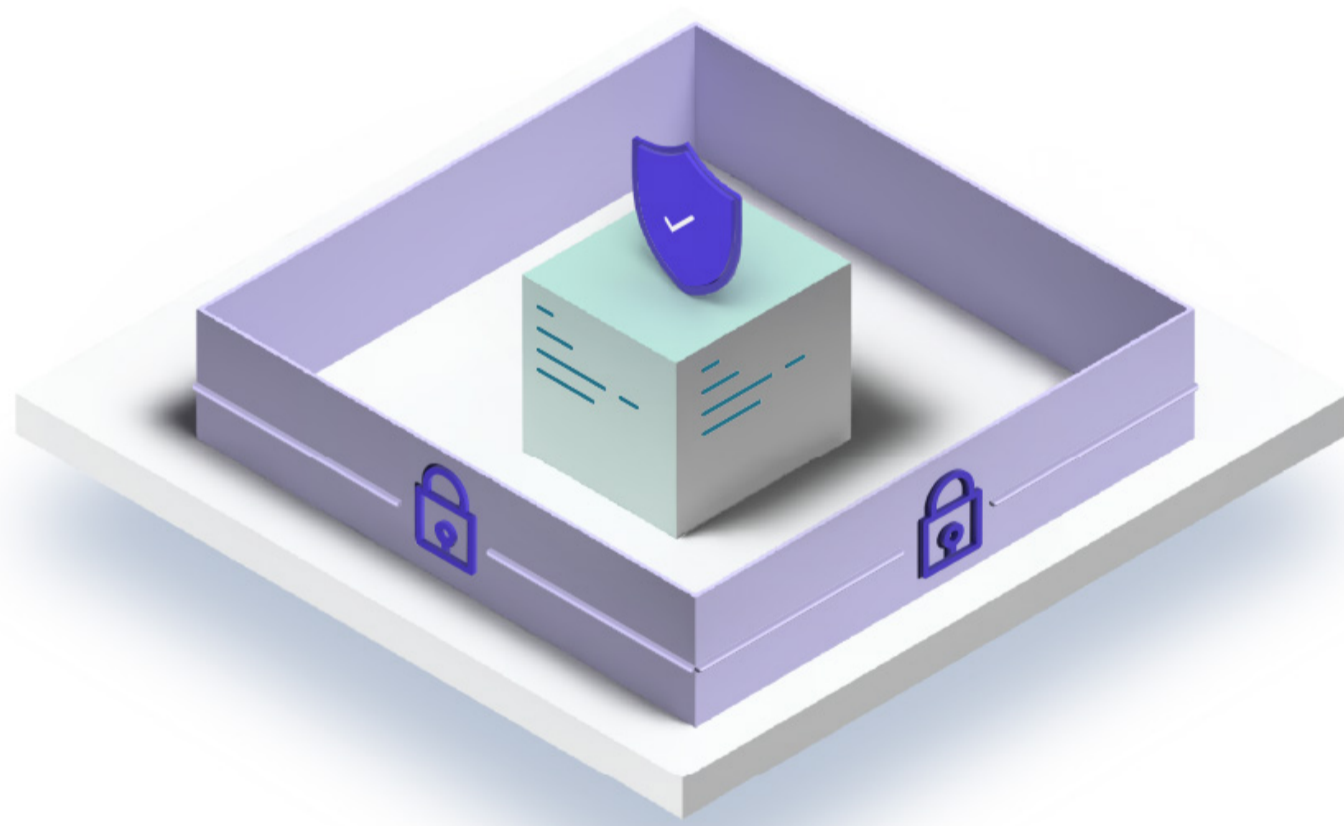
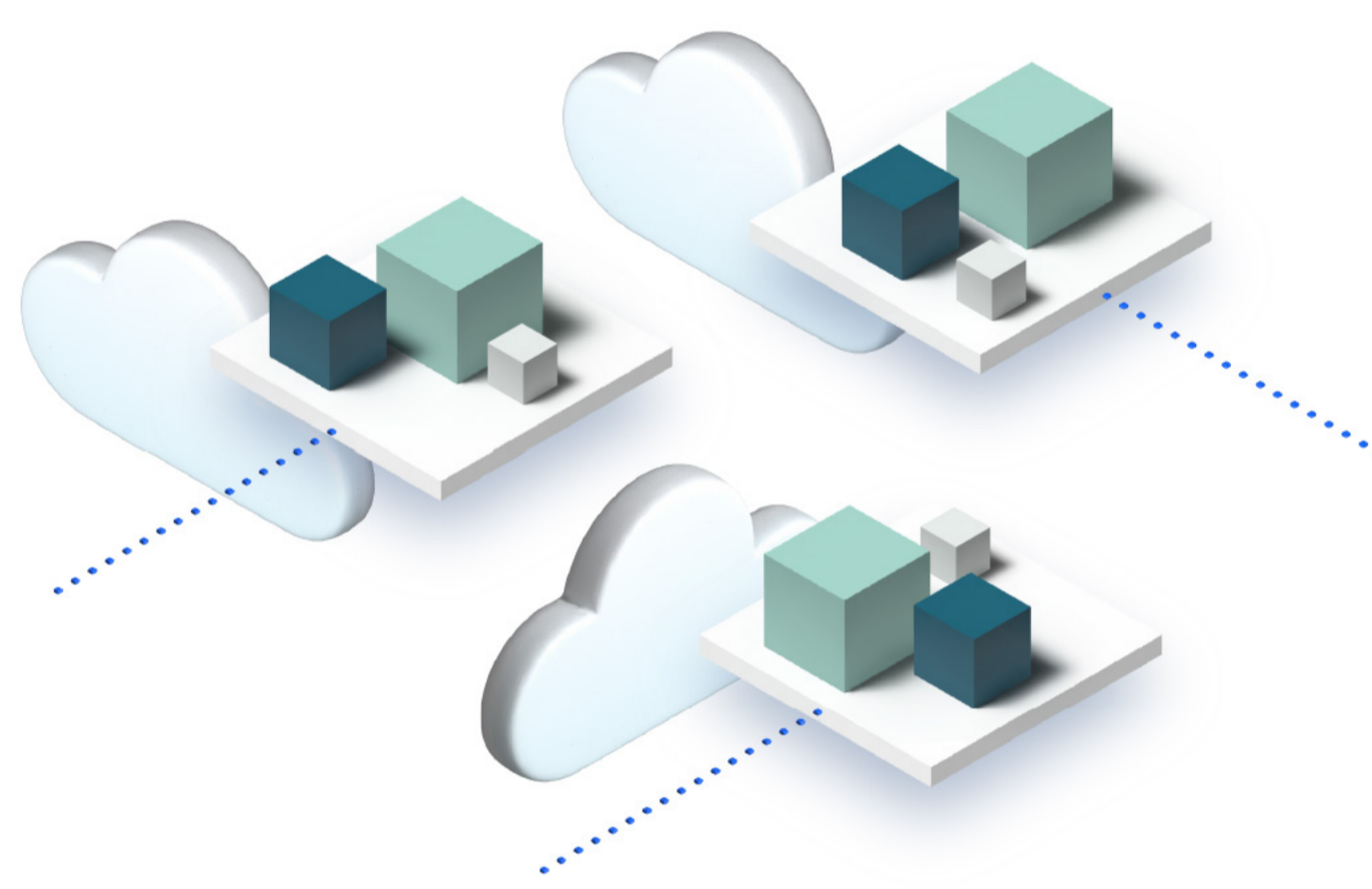
Since Cloud Backup doesn't require the use of a media gateway, backups are direct, eliminating a point of failure as well as reducing the time it takes to create secure backup copies.

[Read More About Direct Backups →](#)

## Cross-region, multi-account air gapping

Cloud Backup helps keep your data safe by limiting the blast radius of ransomware attacks. Users can keep backup copies stored in multiple regions and in multiple cloud platforms, so you can withstand the loss of the data stored in a single region or cloud.

[Read More About Cross-Region/Account Use →](#)



## Object locking with DataLock

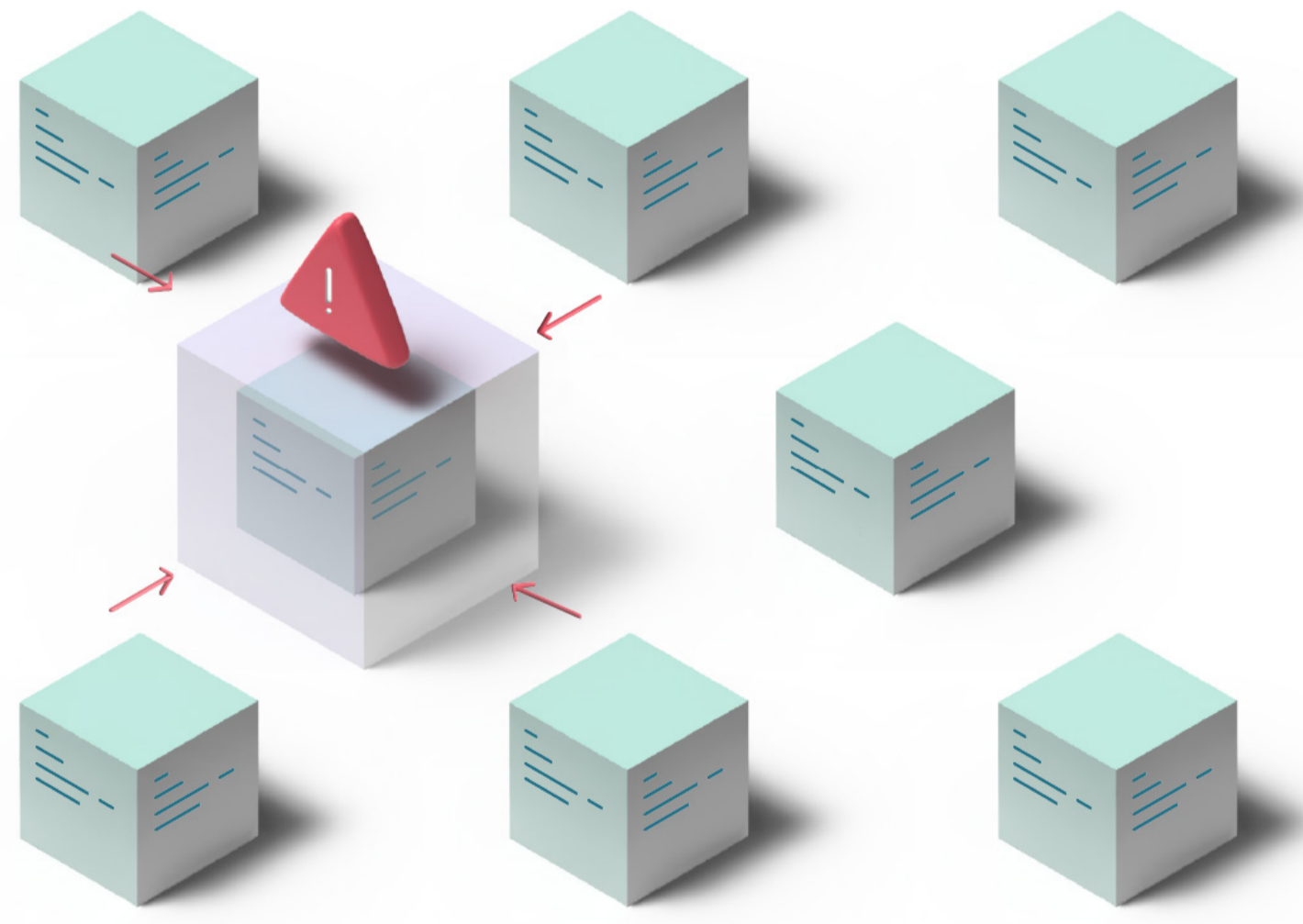
By leveraging the native object-locking features on AWS, Azure, and StorageGRID, Cloud Backup makes your cloud-based data indelible. Paired with Snaplock, your backup data can remain entirely unchangeable end to end from the primary environment to the backup destination.

[Read More About Object Locking →](#)

## Automatic alerts about backup corruption attempts

Cloud Backup keeps track of your backup data, scanning backups for any sign of checksum differences. When differences are detected, it might be ransomware at work: alerts are sent to administrators and the last known good copy of the data is automatically restored as the single source of truth.

[Read More About Ransomware Scans And Alerts →](#)



## Dark site deployment options

Limit internet access to your backup data by storing it in a completely offline, segmented dark site deployment using StorageGRID and BlueXP. This setup is ideal for industries with the highest data security requirements.

[Read More About Dark Site Deployment →](#)

## Don't Let Ransomware Take Out Your Business

Reduce the risk of ransomware and respond to attacks quickly when they happen: try the comprehensive ONTAP data protection of Cloud Backup and BlueXP backup and recovery. Because the best backup solution for ONTAP comes from NetApp.

[Read More About How To Protect Against Ransomware](#)