Add deep anomaly detection to your backup solution

Explore QoreStor's technology that provides deep anomaly detection for advanced data protection

Setting a baseline for increased data protection

Imagine being able to detect unusual deviations in backup data during backup in real time. Often, this is where data is manipulated before an attack expands. These deviations, while innocuous at first glance, could have a significant impact on backup data and the ability to recover.

Add deep anomaly detection to your backup solution

To further enhance ransomware protection for your backup data, QoreStor provides automated alerting to anomalous data operations. And because QoreStor is agnostic, it works with many backup and recovery solutions.

Using built-in artificial intelligence, QoreStor learns the patterns around backup data flow and will alert to unusual data patterns.

Not all anomaly detection is created equal

Some anomaly detection solutions only look at backup data size changes. Others check the size of incremental backups compared to previous ones, requiring a script to be run for every single backup job!

QoreStor goes deeper, working at the storage layer.

Anomaly detection flags

When leveraged within QoreStor, anomaly detection flags the following for further review:

- **Excessive data retirement or unusual deletions —** at unexpected times, based on data storage history

Benefits of using anomaly detection in QoreStor:

- Alerts to unusual data patterns
- Increases data usage awareness
- Provides deeper data protection intelligence for future planning
- Increases ransomware awareness for your backup data

- **Entropy changes —** multiple overwrites/truncations onto actual data, segments, or backup files
- **Large backups at odd times —** large backups or restores at odd times
- **Unexpected growth or reduction —** in logical or physical data
- **Losing compression savings —** encrypted data may not be compressible
- **Losing backup software markers in saved data sets**
- **Successive failed login attempts**

Other benefits for administrators include detecting issues within the backup data early and reacting to unanticipated impacts.

Increased ransomware awareness

With the increase in ransomware attacks and malware becoming even more sophisticated and targeted, this capability presents an intelligent solution that can be added to most backup solutions on the market.

Using this anomaly detection capability enables a faster response to previously unknown incorrect data changes. This is mandatory in today's data protection environments.

About Quest

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.