

# NAS Cloud Direct for the State/Local Government and Education Industry (SLED)

Maximize security and efficiency for unstructured data from students, citizens, and beyond

The state/local government and education (SLED) sector produces large amounts of unstructured data in a wide range of data types. From student report cards that contain personally identifiable information (PII) to municipal tax rolls full of information that fraudsters want to steal, SLED entities have a data protection challenge on their hands. Keeping these diverse data sets safe and ensuring their high availability are essential for smooth educational and government operations. However, legacy solutions for backup and restore are not well suited to these tasks, especially in the resource-constrained SLED IT departments. They cannot keep up with the velocity of data creation and the volume of data they have to support. The variety of data, coupled with dependence on multiple data management systems, also make it difficult to restore data in the event of a cyberattack, which is an increasingly common and serious risk today:

- The number of cyberattacks targeting government agencies worldwide increased by 95% from 2021 to 2022<sup>1</sup>
- Publicly disclosed cyberattacks on U.S. schools numbered 1,619 between 2016 and 2022, with 80% of school district IT professionals reporting that they had been hit by a ransomware attack in the past year<sup>2</sup>
- U.S. government agencies lost 5,642 days to ransomware attacks in 2022, with each minute of downtime estimated to cost over \$8,000<sup>3</sup>

## Unstructured Data in SLED Entities

- Student/faculty data, including (PII)
- Coursework
- Municipal records
- Law enforcement data
- Tax rolls
- Educational research data across entire university
- Educational media
- Data related to athletics
- Financial data
- Intellectual property (IP) and other sensitive data at times supported by grants and federal funding

## THE RUBRIK NAS CLOUD DIRECT SOLUTION

Rubrik NAS Cloud Direct protects petabyte-scale unstructured data efficiently, enables continuous monitoring and identification of cyber threats, and orchestrates rapid NAS data recovery, at scale, to on-premises or the cloud. With its modern approach to unstructured data protection, NAS Cloud Direct provides cyber defense for educational and government entities, including data encryption at rest, anomaly detection, credential isolation, and sensitive data monitoring. With NAS Cloud Direct, schools and government agencies can orchestrate fast NAS data recovery and archiving. This includes rapid petabyte-scale recovery to on-premises infrastructure, the cloud, or alternate targets.



### MODERNIZE DATA PROTECTION FOR YOUR PETABYTE-SCALE NAS DATA

Streamline petabyte-scale NAS data protection for your government or educational entity, with 10x performance over legacy NDMP—while gaining centralized data management and visibility into sensitive data.



### CYBER-PROOF YOUR NAS DATA

Safeguard your NAS data and keep compliant with encrypted, immutable backups and credential isolation, while simultaneously detecting malicious activity and uncovering sensitive data exposure.



### ORCHESTRATE FASTER NAS DATA RECOVERY AND ARCHIVAL

Quickly search across billions of educational records, government files, and more, orchestrating rapid petabyte-scale NAS recovery to on-prem, cloud, or alternate targets.

<sup>1</sup> [SecurityIntelligence.com](https://www.securityintelligence.com) <sup>2</sup> [K12 Security Information Exchange](https://www.k12security.com) <sup>3</sup> [National Association of State Chief Information Officers \(NASCIO\)](https://www.nascio.org)

## WHAT OUR CUSTOMERS ARE SAYING



“We now have a multi-layered storage approach. We can keep speedy storage for recently archived data, and as data ages out, we can leverage deeper, less costly cloud storage.”

Olu Brown, Associate VP of Technology  
Massachusetts Institute of Technology

## HOW RUBRIK NAS CLOUD DIRECT IS DIFFERENT

**Zero Trust Design** – NAS Cloud Direct functions according to Zero Trust (ZT) principles. With features like credential isolation, attackers cannot discover NAS backups. No user is trusted until verified.

**Immutable Backups** – NAS Cloud Direct encrypts unstructured educational and government data assets at rest, using proprietary technology to make backups immutable. Attackers are thus unable to modify, delete, or encrypt backed up data, e.g., through a ransomware attack.

**Anomaly Detection** – Recover from outages and cyberattacks by using machine learning to monitor unstructured data and generate alerts for suspicious activity, e.g., rapidly identifying which NAS files and objects were affected by an attack and selectively restoring them.

**Sensitive Data Monitoring** – Easily and quickly identify unstructured educational and government data that is sensitive or subject to regulations like the Family Educational Rights and Privacy Act (FERPA) and the Children’s Internet Protection Act (CIPA). This process can reduce sensitive NAS data exposure.

**Granular Recovery** – NAS Cloud Direct enables IT managers to recover unstructured data on a granular basis, e.g., only student coursework data, versus snapshots of entire data volumes.



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Rubrik is on a mission to secure the world’s data. With Zero Trust Data Security™, we help organizations achieve business resilience against cyberattacks, malicious insiders, and operational disruptions. Rubrik Security Cloud, powered by machine learning, secures data across enterprise, cloud, and SaaS applications. We help organizations uphold data integrity, deliver data availability that withstands adverse conditions, continuously monitor data risks and threats, and restore businesses with their data when infrastructure is attacked.

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