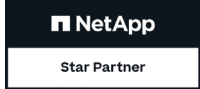
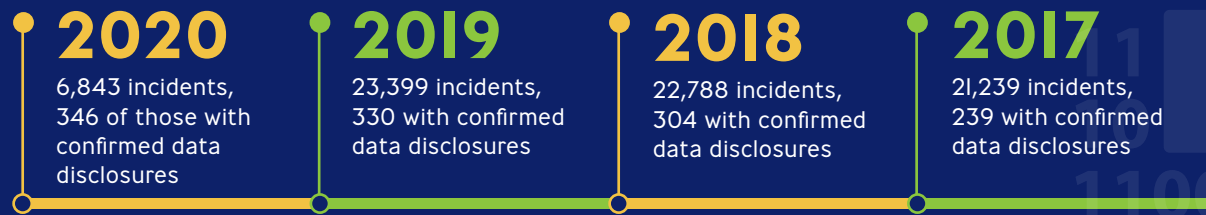


NetApp Snapshots: Critical Tools for Public Sector Data Protection Efforts



As the government's reliance on digital data increases, so too do the risks of data loss and misuse...

Public sector information security incidents:



Of these risks to public sector data, ransomware attacks are among the biggest:



61% of malware incidents against public sector entities in 2020 were ransomware attacks

Publicly reported ransomware attacks against state and local governments are rising fast:

2020: **134**
2019: **111**
2018: **55**

Average ransom payments are also rising fast:

2020: **\$234,000**
2019: **\$100,000**

Average downtime due to ransomware attacks:

19 days



Many authorities encourage government agencies to prioritize data protection and data recovery as part of their cyber strategies:

DHS' Cybersecurity and Infrastructure Security Agency (CISA)

Multi-State Information Sharing & Analysis Center (MS-ISAC)

National Association of State Chief Information Officers (NASCIO)

National Governors Association (NGA)

National Institute of Standards and Technology (NIST)

U.S. Government (interagency)



For improved data protection and recovery, many public sector organizations are turning to NetApp Snapshots and solutions from CTG Federal:

NetApp Snapshots

A point-in-time filesystem image, enabling ransomware remediation by restoring from images that are known to be uninfected and preventing deletion of valuable backup data

NetApp SnapRestore

Recovers a single file or multi-terabyte data volumes to the state it was in when a particular Snapshot copy was taken, enabling you to recover from data corruption in seconds not hours

NetApp SnapLock

Creates Snapshot copies that are read-only and non-rewritable, protecting data in strict regulatory environments and preventing it from being deleted adding an additional layer of immunity to threats such as ransomware

NetApp SnapMirror

Replicates data at high speeds over LAN or WAN to multiple locations. You get high data availability and fast replication for your mission-critical applications in both virtual and traditional environments

For more information about how CTG Federal and NetApp can help your agency better prepare against data breaches, please go to www.ctgfederal.com/partners/netapp or email contact@ctgfederal.com.

2020 Data Breach Investigations Report (DBIR), Verizon; 2019 Data Breach Investigations Report (DBIR), Verizon; 2018 Data Breach Investigations Report (DBIR), Verizon; 2017 Data Breach Investigations Report (DBIR), Verizon; "Update: New Findings in Ransomware Attacks on State and Local Government," Allan Liska; "Ransomware Demands continue to rise as Data Exfiltration becomes common, and Maze subdues," Coveware Quarterly Ransomware Report; "CISA, MS-ISAC, NGA & NASCIO Recommend Immediate Action to Safeguard Against Ransomware Attacks," CISA; Framework for Improving Critical Infrastructure Cybersecurity, NIST; "How to Protect Your Networks from Ransomware," U.S. Department of Justice; NetApp Snapshot Tech Report