



Boone County Manages Rapid Data Growth With Komprise & Microsoft Azure

State and local governments face a massive influx of data with new technologies such as body and dash cameras. In government, where data retention times are long, resulting in exponentially more and more data to manage. As a result, traditional approaches to managing data just don't keep pace or remain economically feasible.

THE PROBLEM: UNSUSTAINABLE DATA GROWTH

While Boone County faces data growth across the board, a primary driver of the county's growth is evidentiary data. Boone County Sheriff's Department adopted body cameras and dash cameras for all of its officers and vehicles five years ago. At the same time, Boone County Courthouse was mandated to indefinitely retain and keep accessible case files on not only ongoing cases, but also every case it has historically heard—the vast majority of which are inactive after the case has closed. In the five years since deploying the cameras, evidentiary data grew by 3000%. "We were at an unsustainable growth rate" said Sean Horan who manages IT services for Boone County at Government Utilities Technology Service, Inc. (GUTS)—the managed IT services provider for Boone County.

BUILDING A PLAN FOR THE FUTURE

Boone County wanted to leverage Microsoft Azure Blob Storage to lower costs, but did not know what data to migrate to the cloud or how to manage data without changing user and application access. GUTS used Komprise to run an analysis that showed 83% of the county's data was cold and not been accessed in over six months.

The GUTS team was able to leverage the ROI reporting out of the Komprise Intelligent Data Management Platform to build an alternative five-year plan which projected 70% savings by using Komprise to transparently archive cold data into Azure Blob, while still:

- Modernizing their existing SAN environment to a smaller all-flash system at 42% of the cost - as it now only needs to store active data
- Improving weekly backup & restore times
- Retaining file-based access from the original storage to data stored as objects on Azure Blob
- Doing so without any disruption or changes to the county employees or applications

The GUTS team presented this new plan alongside the Komprise reporting to its IT and fiduciary oversight boards and secured approval for the revised plan.

KEY BENEFITS

Cut storage costs by 70% while addressing data growth

Migrated data to Azure Blob with zero disruption to users and applications

Reduced backup size by 88% & cost by 72%

Enabled purchase of All-flash SAN for hot data storage at 42% lower cost

PROFILE



Government Utilities Technology Service

Government Utilities Technology Service, Inc. (GUTS) provides managed IT services for Boone County, Indiana using a shared services model.

Komprise enables us to move large amounts of data to the cloud without disruption to our users

Sean Horan, Sr. Network Systems Specialist
Government Utilities Technology Service



MOVING TO AZURE BLOB

After receiving approval, GUTS set policies in Komprise to archive data to Azure Blob. Because data moved by Komprise still appears on Boone County's SAN, there was zero disruption. GUTS was able to quickly go from one county department to the next, moving data to Azure Blob. As data continues to age, Komprise, through its policy-based automation, continues to transparently archive files to Azure. With Komprise, you can control retrievals back from the cloud, so that in the rare case that the files are frequently accessed after being moved, Komprise will rehydrate that data into Boone County's SAN alongside other active data.

REDUCED BACKUP FOOTPRINT AND COSTS

Boone County was relying on weekly off-site tape backups. As the sheer volume of data being backed up every week continued to grow, so did the time it took to complete these backups, the cost of these backups, and the recovery time from these backups in the event of a disaster situation. By using Komprise to archive cold data off the SAN, the size of the backups shrank – since for the moved data, just links were being backed up instead of the full files.

For Boone County, this meant instead of backing up multi-gigabyte body-cam and dash-cam video files they could now back up 1kb Komprise Dynamic Links. By using Komprise to move data to Azure Blob, GUTS was able to:

- Reduce the size of Boone County's weekly backups by 88%
- Reduce the disaster recovery time from approximately a week to approximately a day and half
- Reduce the cost associated with backups by 72% by reducing the amount of tape purchased, taking tape loaders offline, and reducing the amount of tape stored off-site

SOLUTIONS USED

Microsoft Azure Blob

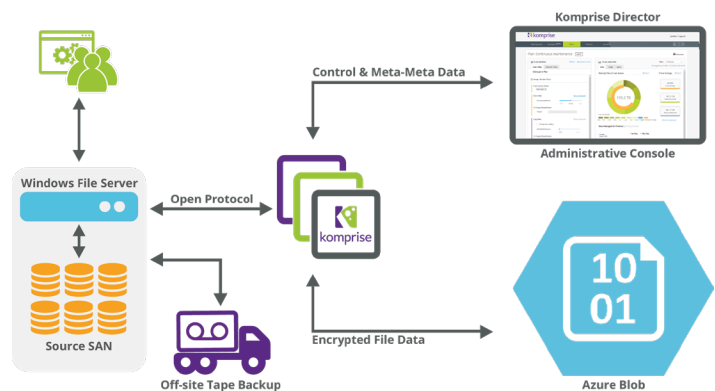
Azure Blob enables organizations to store any type of unstructured data—images, videos, audio, documents, and more—with proven technology at exabyte scale. Blob storage handles trillions of stored objects, with millions of average requests per second, for customers around the world.

Komprise Intelligent Data Management

Komprise enables businesses to handle the incoming flood of data by providing automated software that adapts to the customer's environment and scales across their storage silos, on-premise and cloud storage. The Komprise data-aware management software empowers businesses to manage today's massive scale of data growth while unlocking data value. Komprise analyzes data across NFS and SMB/CIFS storage, and moves data transparently by policy across NFS, SMB/CIFS and REST/S3 storage. The modern scale-out architecture required no agents, no dedicated hardware or storage, no complex setup or proprietary integrations, it delivers native access to data in the cloud and is deployed as a hybrid cloud service.

ENVIRONMENT

- Multiple sites running Windows File Servers on a SAN
- Microsoft Azure Blob Storage
- Komprise Intelligent Data Management
- Off-site tape backup



NEXT STEPS

Complimentary Trial

Sign up for a complimentary trial of Komprise in your own environment and see how much you can save.

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