

# Red River Supports FedRAMP Certification with Complete Storage, Backup and Recovery



## CHALLENGE

For nearly 30 years, NetComm has served as a solutions provider to a wide range of government and commercial clients. A Woman-Owned Small Business (WOSB), we specialize in information management and analysis software solutions tailored to support each client's organizational mission.

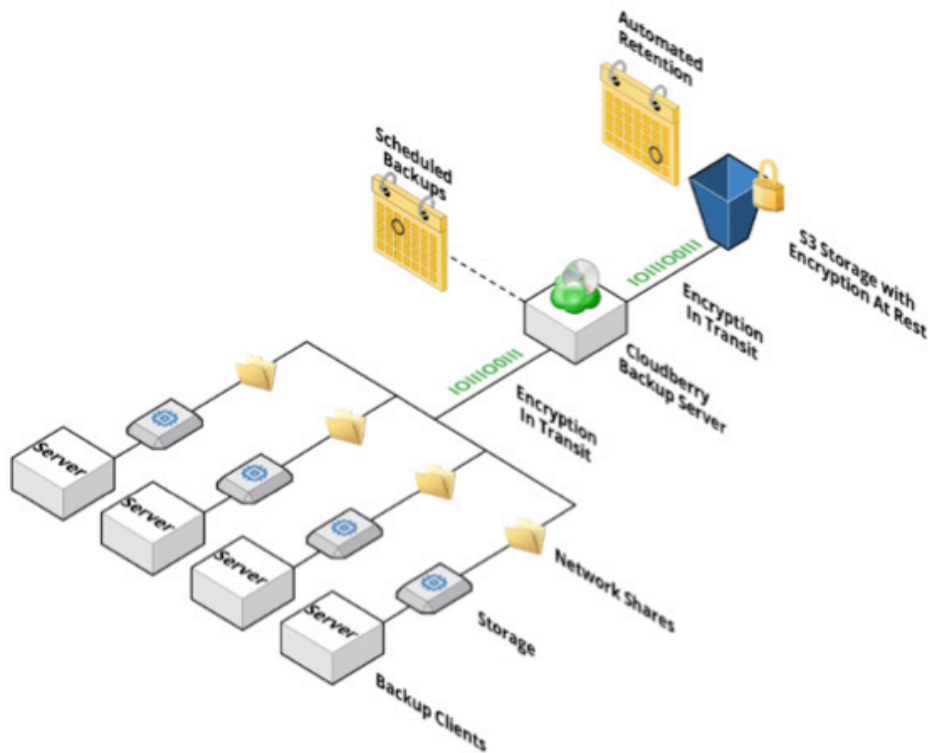
FedRAMP requires full backups of user-level and system-level information and information system documentation including security-related documentation be performed weekly and incremental backups be performed daily. FedRAMP also requires maintaining at least three backup copies, one of which is available online. Additionally, the confidentiality, integrity, and availability of backup information must be protected.



## SOLUTION

NetComm has contracted with Red River to manage an alternate storage capability for storage and retrieval of Beacon backup information. Red River accomplishes all required backup and recovery in the AWS GovCloud by leveraging the local CloudBerry application, AWS CLI tools, and AWS S3 storage. The backup storage capability is approved and accepted by the JAB.

NetComm, through its SLA with Red River, provides for the recovery and reconstitution of the Beacon system to a known state after a disruption, compromise or failure managed by the Red River Managed Security Service team. Recovery involves executing Beacon contingency plan activities to restore critical/essential mission and business functions. Reconstitution follows recovery and includes activities to return Beacon to a fully operational state, as well as deactivation of any interim Beacon capabilities that may have been needed during recovery operations. Reconstitution also includes assessments of fully restored Beacon capabilities, resumption of continuous monitoring activities, potential Beacon system reauthorizations, and activities to prepare the Beacon system against future disruptions, compromises or failures.



CloudBerry Backup Reference Architecture



## RESULTS

Red River designed a backup solution that allows NetComm to maintain FedRAMP compliance and adhere to the System Security Plan (SSP).

We developed custom coding and scripts to generate specific data for reporting requirements, implemented the correct tools to scan its environment on a weekly basis and adhere to strict threat detection guidelines.

Three unique environments were developed: production, test dev and management. Each was isolated from one another with unique login and password credentials utilizing a VPN to access AWS, to then access the customer's network, thus creating an air gap to keep the company's environment completely isolated from Red River's. Internally, Red River developed specific policies and guidelines addressing how to monitor and manage this unique customer to ensure all compliance standards were achieved.

To guarantee security is always maintained, Red River instituted dynamic alerting and reporting on real-time activities with automated responses. This allows the Red River NOC (Network Operations Center) to automatically disable accounts that pose a potential threat through machine-learning and predictive analysis.



### ABOUT RED RIVER

Red River brings together the ideal combination of talent, partners and products to disrupt the status quo in technology and drive success for business and government in ways previously unattainable. Red River serves organizations well beyond traditional technology integration, bringing 25 years of experience and mission-critical expertise in security, networking, analytics, collaboration, mobility and cloud solutions.

Learn more at [redriver.com](http://redriver.com).