Success Story:

Red River and NetApp Optimize the U.S. Navy’s Maintenance and Storage Capabilities

With equipment located in disparate locations all over the world, the U.S. Navy requires storage infrastructure that enables technicians to quickly and efficiently document, track, store and share data about IT maintenance solutions and best practices. To ensure mission-critical systems remain operational, this storage solution needs to be highly redundant and secure, capable of making data accessible even in the event of system downtime.

The mission of the Navy hinges on equipment located in bases and along tactical edges all over the world. Because the Navy uses standardized IT solutions when possible, Navy personnel are able to optimize maintenance processes and ensure that their equipment works properly, which goes a long way toward helping the Navy spend less resources on IT troubleshooting and more on achieving mission success.

If Navy personnel in one location discover equipment malfunctioning and find a solution, they can share this information to help personnel elsewhere solve the problem as soon as it arises—or in some cases take proactive measures to prevent the problem from occurring. But documenting and sharing this data requires storage infrastructure capable of storing massive amounts of data and making the data readily accessible to users and operators in different locations.

After analyzing the Navy’s unique mission requirements, Red River’s design engineers and customer solution architects recommended NetApp’s Shared Storage Infrastructure solution, which allows users from all over the world to collect data, store this data within a secure private cloud and retrieve this data whenever they need it, regardless of their location. NetApp’s Shared Storage Infrastructure utilizes predictive analytics to recognize data trends and alert users accordingly. This enables Navy personnel to identify maintenance trends and prepare for potential malfunctions before they occur. As an enterprise-class solution, NetApp’s Shared Storage Infrastructure is a highly redundant, dual-threaded system that maximizes uptime and ensures data is still available even when systems are down.

Red River recognized that NetApp’s Shared Storage Infrastructure’s ease-of-use and ruggedness made it a perfect fit for the Navy. As the leading provider of federal storage solutions with thousands of systems deployed all over the world, NetApp has proven experience designing reliable solutions that can be deployed on the tactical edge. Red River was able to provide NetApp’s storage solution as a hybrid system consisting of both high-end Flash drives and less expensive high-capacity, long-term drives. This hybrid solution allowed Red River to drive down costs without sacrificing performance. NetApp’s system intuitively prioritizes data storage, moving data that needs to be accessed more frequently to the high-end Flash drives for user convenience.

Contact Red River at info@redriver.com to learn more about this solution and what Red River and NetApp can do for you.