#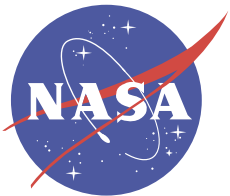 International Space Station prime contractor Wyle selects Paragon Software for customized, mission-critical disaster recovery

Paragon Software Group customized its backup technology to secure the scientific data on the International Space Station (ISS)

ORGANIZATION

With over 40 years of experience on the market, Wyle (KBRwyle since 2016) is the leader in life sciences research, space medical operations and engineering for the enhancement of human performance and safety in air and space.

CHALLENGE

The customer required a custom backup and recovery solution to safeguard research data employed on ISS. One of the key requirements involved minimal user interaction on behalf of the astronauts.

RESULTS

Paragon Hard Disk Manager supplemented with a custom script enabled automated one-click restore from a USB-bootable flash drive.

THE CHALLENGE

Wyle has provided direct support to more than two thirds of all humans who have traveled in space. As a supplier of trusted services and solutions, Wyle has 4,800 highly specialized and dedicated employees at 50+ primary facilities across the US. The company generates annual revenues of approximately $1.1 billion from its core customers: the US Department of Defense, NASA, and the nation's leading aerospace contractors.

Lockheed Martin, one of the information security subcontractors operating with Wyle, needed a custom recovery solution that could meet their stringent specifications.

THE SOLUTION

Selected by Wyle, NASA's Prime Bioastronautics contractor, the backup and disaster recovery solution by Paragon Software now orbits the Earth on the International Space Station. Paragon Hard Disk Manager serves as the primary backup and recovery software for the new generation ultrasound system. Astronauts on board of the International Space Station are using ultrasound delivered as part of NASA's ADUM project (Advanced Ultrasound in Microgravity).

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The primary customer goal was to provide a stable platform for scientific research. Certification of the next-gen ultrasound required the capability to restore the new system to its original configuration.

Paragon Software developed a custom script that enables automated system restore via a USB-bootable drive in a single click. The customer's IT service evaluated multiple backup and recovery tools. Of all the tools available, Paragon HDM came closest to meeting the project requirements. The Paragon Software team stepped in to close the gap, providing a customized solution which minimized user interaction. HDM Server provides complete data backup and disaster recovery. A virtual add-on component is available for virtual environments. Both versions offer the ability to perform bare-metal restores, file-level recovery, advanced data wiping, and automated partition alignment.

Additionally, HDM Server enables system backup or migration of an active server using live snapshots.

" **At Paragon Software, we provide our clients with superior customer service regardless of where they are, now that extends to outer space. It was important to Wyle and Lockheed Martin to ensure that the astronauts operating on the Space Station could quickly and easily restore their systems back to an operable state – with the customized version of Hard Disk Manager, they can recover in a matter of minutes without any additional tools.**

Tom Fedro, President at Paragon Software Group

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