

Renault F1

VERITAS solutions assist Renault in streamlining and enhancing everyday storage management, as well as ensuring that the team can access information around the clock.

THE SUCCESS

To continually hone its competitive edge in designing and building Formula One cars, the Renault F1 team's information systems department guarantees high availability and data security for its sophisticated IT network infrastructure. VERITAS solutions assist it in streamlining and enhancing everyday storage management, as well as ensuring that the team can access information around the clock.

"There's no doubt that the integrated VERITAS solution is helping the team to win races," says Graeme Hackland, IT Manager for Renault F1. "It ensures information is always where it is needed — either here at Enstone, in our Paris-based engine development business, or at any one of the F1 race tracks around the world."

Prior to the introduction of VERITAS NetBackup, Renault F1 relied on DAT units that had to be loaded manually. VERITAS NetBackup has enabled the team to deploy an Adic Scaler 1000 automated robotic device and DLT tape

media, which has resulted in a many-fold increase in the amount of information the company can store and manage across the enterprise.

"Now we can load the library with however many tapes we require, and the VERITAS software automates the entire process from beginning to end," Hackland explains. "Each morning, we receive automatic notification that the backup has been successful, and warning of any incomplete backups." To ensure complete data protection and availability throughout the organization, Renault F1 is also using VERITAS Backup Exec to back up its Windows NT environment. Its powerful functionality, together with its easy-to-use interface, ensures reliable, automated backup and recovery across multiple devices.

For Renault F1, the value of the VERITAS solution extends beyond software. "VERITAS has provided invaluable consultancy on how our storage should be handled to make the best possible use of the technology," Hackland says.

THE SITUATION

Renault F1's information systems department supplies users throughout the company comprehensive information using a sophisticated two-part IT network infrastructure. A Novell network provides office automation and data analysis facilities for Renault F1's employees, and HP workstations deliver 3-D design, aerodynamic, and stress analysis applications for the team's automotive designers. The car design process generates a vast amount of critical data, which needs to be stored and managed in the most efficient manner.

The challenge for the Renault F1 team's IS Department was to manage data backup and restore across its disparate suite of platforms — HP-UX, Windows, UNIX, NetWare, and Linux — without substantially increasing the IS department overhead.

"Ten years ago, we would have held all the team's telemetry data on a single floppy disk," says Hackland. "Today, we are inundated with infor-

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—Graeme Hackland, IT Manager, Renault F1

mation from all corners of the business.... We simply cannot imagine what would happen if this data became unavailable. We need to ensure each and every individual has continual, instant access to the information they need to help the team win races.”

THE SOLUTION

Renault F1’s high availability and storage solution includes VERITAS NetBackup Data Center, NetBackup Professional, Backup Exec, Storage Replicator, Foundation Suite, and Cluster Server. VERITAS NetBackup’s cumulative incremental backup feature ensures that any data changes subsequent to the most recent full backup are backed up on a daily basis, with each day’s changes being accumulated onto the previous day’s. In the unlikely event of data loss, the IT team would only need to restore the last full backup and the most recent incremental backup to recover the disk.

Renault F1 is also using VERITAS Cluster Server to deliver centralized

management of its clustered server environment. “Maximizing availability and increasing performance are critical goals,” Hackland says. “Using VERITAS Cluster Server, we can manage planned and unplanned downtime from a single, integrated console.”

All Renault F1’s design, aerodynamic, and stress analysis data is crucial to the survival and success of the organization. This information, including specification sheets, engineering notes, and telemetry data from the cars themselves is copied onto a separate HP server for unparalleled availability.

“VERITAS Software has a pivotal role to play in our success,” Hackland concludes. “By ensuring critical design, telemetry, and other information is continuously available in real time throughout the company, we are accelerating our decision-making, enhancing our competitiveness, and positioning the team for success.”

Renault F1

Renault F1 designs and manufactures racing cars that compete in the high-profile global Formula One championships.

Business Goals

- *Nonstop operation, high performance, and security*
- *Automated backup and recovery across heterogeneous devices*
- *Proven, easy-to-deploy solution*

Environment

- *HP-UX, UNIX, NetWare, Windows, and Linux servers*
- *100 laptops*
- *Adic Scaler 1000 automated DLT tape library*

VERITAS Solutions

- *VERITAS NetBackup DataCenter™*
- *VERITAS NetBackup Professional™*
- *VERITAS Backup Exec™*
- *VERITAS Storage Replicator™*
- *VERITAS Foundation Suite™*
- *VERITAS Cluster Server™*

Business Benefits

- *Availability of information wherever, whenever*
- *Single, consistent enterprise backup across all platforms*
- *Faster backup and recovery*

