RACKTOP

> "We are delighted we chose BrickStor for The Washington University Biomedical Mass Spectrometry Resource; it was within budget, has been easy to use and gives us peace of mind about our data"

Henry Rohrs
Staff Scientist, WUSTL

> "The RackTop system was easily implemented and provided a large multiuser facility with data security and reliable backup."

Christopher J. Thuet
Computer Systems Manager, WUSTL

BACKGROUND

The Washington University Biomedical Mass Spectrometry Resource is a pioneering research institution with twenty-five Nobel Laurette affiliations – nine of whom have done the major part of their research at the university. WUSTL administers more than $500M in research funds, with a focus on intellectual efforts in medicine and health, energy and environment, entrepreneurship, and security. Operating on a five-year NIH funding cycle, it regularly acquires new instrumentation and ancillary equipment including critical data storage to support over 100 nationwide research projects that are funded by the NIH. The group needed a data storage solution that would fit within budget and would enable WUSTL to provide state of the art services to their clientele. The group also needed an easy to manage data storage that would ensure long term retention of data without loss or corruption of critical research results in addition to data from lab equipment and analysis.

EVALUATION

RackTop's BrickStor was recommended to Biomedical Mass Spectrometry Resource by satisfied users in other departments with successful implementations at the university. BrickStor was selected for reasons that include its simplicity to manage data, resilience against data loss and corruption, data protection policies, and lower total cost of ownership.

CUSTOMER EXPERIENCE

With its proven success in university environments, BrickStor delivered a long-term data retention method to meet RPO requirements with simple but comprehensive management through its user interface, low impact to existing staff resources and budget, and the capacity to support the university's 5-year growth plan.

BrickStor's internal data protection and replication capabilities allow data sets to be snapshotted and versioned based on policies that are set by the customer to meet organizational recovery point objectives (RPO). Data protection policies are automatically applied as the storage is provisioned making backup an atomic operation with storage provisioning and immune to human error.

BrickStor, a unified storage solution, allows access to the same data via multiple protocols including NFS and SMB. WUSTL's mixed environments included Microsoft Windows and Linux machines, making it is essential to support both protocols for interoperability.

KEY FEATURES

- Data security
- Snapshots and File Indexing
- Capacity Forecasting
- User Behavior Auditing and Analysis
- Ransomware protection
- Multi-protocol compatibility