

Transforming Life Sciences with Dell APEX Data Storage Services

Benefits

- Eliminate capital budget constraints associated with tech refresh cycles
- Simple configuration, monitoring and management from a single Console
- Respond dynamically to changes in workload requirements
- Align expenses with actual vs anticipated usage
- Connect to your cloud of choice while maintaining control of data
- Designed for 99.9999% availability¹

A shift from managing infrastructure to making discoveries

To drive next-generation medical research and generate outcomes, life sciences organizations are challenged with capturing and analyzing data in immense proportions. To keep up, these organizations are innovating faster than ever and are turning to cloud-like consumption models to drive high-performance experiments and accelerate discoveries.

Rapidly evolving technologies have changed how research can be conducted, but these technologies can often be compute-intensive, generate a lot of data and require scalable storage. Life science workflows for genomic sequencing, cryogenic electron microscopy (Cryo-EM), diagnostic imaging and digital pathology generate vast amounts of data crucial to advancing experiments and breakthrough findings. For example, Next-generation Genomic Sequencing (NGS) is essential to the life sciences industry as it enables research, drug development and precision medicine applications. However, NGS creates massive amounts of unstructured data that must be rapidly analyzed and efficiently stored.

For many organizations, traditional capital expense (CapEx) based storage solutions are not sustainable for handling the large amount of raw data generated by these organizations. To respond successfully, IT organizations require a reliable, agile and easy to manage Storage as-a-Service model.

With a flexible, pay-as-you-grow operating expense (OpEx) model, life sciences organizations can avoid significant costs and risks associated with capital budget constraints, over and under provisioning and maintenance, to focus on delivering groundbreaking discoveries.

Simplify consumption for your life sciences workflows

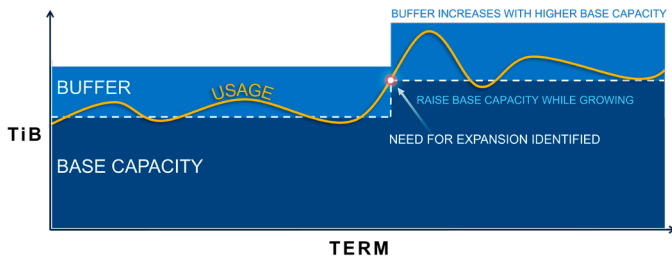
File storage plays a critical role in life sciences data intensive workflows. Ideal for life sciences organizations of any size, Dell APEX Data Storage Services File is powered by best-in-class scale-out NAS technology, delivering the high-performance and elastic scale of a modernized Storage as-a-Service solution. And now, with the flexibility to deploy your file storage through an as-a-Service model, you can be confident that your unstructured data will be stored, managed and secured efficiently, providing scientists with faster access to vital data, the capability to scale to greater storage capacities quickly and the opportunity to reallocate IT resources to support meaningful scientific work.

Dell APEX simplifies the process of purchasing, deploying and maintaining infrastructure, enabling life sciences organizations to focus on research, while accelerating experiments and discoveries. It's as easy as selecting these key service parameters: Management, Location, Data Service, Base Capacity, Performance Tier and Term.

On-demand scale: Pay for what you use

Scientists and researchers worldwide are generating a significant amount of data. In recent years, High Performance Computing (HPC) with data analytics and artificial intelligence has been advancing research and increasing the demand for faster analysis, dynamic storage scaling and lower cost.

To meet the dynamic demands in life sciences environments, Dell APEX Data Storage Services File provides reliable, elastic storage resources with the ability to scale capacity and respond dynamically to changes in workload requirements. You pay a single rate for base capacity and on-demand usage with no overage penalties.



Dell APEX Data Storage Services includes a wide range of capacity and performance options for complex workflows, ensuring that life sciences organizations' data storage requirements do not become a bottleneck. You have the option to increase your base capacity commitment at any time in order to accommodate growth. This enables you to scale up when you need additional storage capacity for unplanned projects and research workflows.

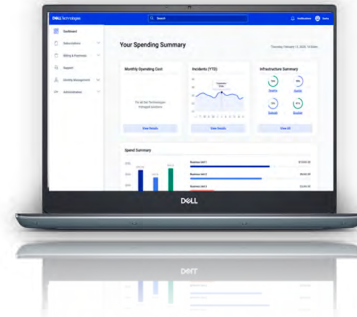
Reduce investment risk with flexibility and control

Life sciences workflows result in massive data generation that demands rapid analysis and efficient archiving utilizing storage infrastructure located on-premises, in secure colocation facilities, at the edge and in multiple cloud environments. With the option to deploy Dell APEX Data Storage Services on-premises or in a Dell-managed interconnected colocation facility,² you can eliminate data center planning activities, accelerate your multicloud strategy and put your data as close as possible to your applications.

Dell has a proven track record for delivering powerful storage solutions backed by world-class support and services. With Dell-owned infrastructure and easy-to-understand contract terms, Dell APEX Data Storage Services File, maximizes your operational efficiency, increasing your agility and delivering more value to your organization.

Manage your entire as-a-Service journey on-demand

The Dell APEX Console is your centralized platform for managing and orchestrating your as-a-Service experience. First, discover Dell APEX cloud and infrastructure solutions and deploy in the location of your choice. Next, gain visibility over costs and forecast capacity with proactive monitoring tools. Then, optimize your Dell APEX solutions as business demands.



Focus on outcomes, not infrastructure

Dell APEX Data Storage Services File is designed to handle the intensive workflows and storage requirements of life sciences environments. Dell is a trusted partner for many life sciences organizations supporting hundreds of customers worldwide, including leading genome centers, pharmaceutical companies and academic research centers. With Dell APEX Data Storage Services, you can focus on your next significant discovery, not your IT infrastructure.



[Learn more](#) about Dell APEX Data Storage Services



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¹Based on hardware availability on common underlying block and file platform configurations. Actual hardware availability may vary.
²Dell-managed colocation deployment is not available with Customer-managed subscriptions. For regional availability of Dell-managed colocation deployment, visit Dell.com/Access-APEX