

## SOLUTION BRIEF

# Pure Storage on Equinix Metal

## Life Sciences

The need for rapid analytics and AI is the key to mining meaningful insights. Groundbreaking discoveries depend on quick access to clinical and research data. The pace of life sciences research has never been more accelerated—all because of innovation and technology.

Genomics is revolutionizing scientific discovery. With faster, more affordable technologies, life sciences organizations are generating hundreds of terabytes of genomic data per month, and it's estimated that genomics will generate up to 40 exabytes of data per year by 2025.

Data infrastructure requirements will continue to grow as artificial intelligence (AI) gets deployed to analyze data for precision medicine, drug development, and predictive diagnostics.

## Pure Storage on Equinix Metal for Life Sciences

With a new wave of technology to address the exploding amount of genomics data, Pure Storage® on Equinix Metal™ is helping organizations achieve a faster time to science and the ability to meet goals, such as finding drugs that work in patients with diseases like Alzheimer's & Parkinson's.

Pure Storage on Equinix Metal is a Bare Metal as-a-Service (BMaaS) solution that allows life science organizations to get away from data center management without having to move into the cloud. A solution that could meet sustainability goals such as reducing operational costs (space, energy), labor costs/resources (5-10x less) and lowering Total Cost of Ownership (TCO) by 50%+.

It is an infrastructure solution that bridges the gap between on-premises data center management and the conventional cloud strategy option. Organizations can extend their data center seamlessly while lowering their risk with a more flexible, scalable, as-a-service delivery of IT infrastructure.

In addition, it leverages our unique offering—you only pay for what you use, when you use it—through Pure Storage's [Evergreen business model](#).



### ESG Research's TCO of BMaaS Report

- Up to 33% savings over a build-it-yourself approach
- Up to 10 months faster time to value and 34% more revenue realized



### Flexibility

- Pay for only the capacity you need when you need it with Evergreen//One



### Performance

- Premium level performance outside the confines of a on-premises data center

## Meet Your Business and Technology Needs

- Many organizations have a legacy of building, managing, and hosting their IT environments on their own, which does not translate to efficient delivery models.
- This can lead to massive cost overruns in cloud environments due to the fundamental differences and challenges of porting traditional applications to multi-tenant infrastructure in public cloud hyperscalers.
- There are cost implications in this do-it yourself approach, especially regarding staff time spent in workload refactoring and having to manage separate teams for on-premises and cloud workloads.
- With Pure Storage on Equinix Metal you can reduce costs, increase efficiency, and meet your sustainability and governance goals.
- Innovative life science enterprises harness Equinix Metal's trusted global platform to interconnect the foundational infrastructure that powers their success.
- Today, time to market is key to survival and success for a business. With Equinix's largest, most active global ecosystem of near 10,000 companies, Pure Storage's multi-cloud, easy-to-use storage solution on Equinix Metal gives you the low latency and unparalleled access to all the right places, partners, and possibilities you need to achieve digital transformation.

## What You Get and Why It Matters

Pure Storage on Equinix Metal is a simple, on-demand, hosted, full-stack, (network, storage, compute) deployment infrastructure platform that enables life science organizations of all sizes to:

- Achieve innovation faster.
- Manage data and intellectual property with industry leading security and compliance standards built-in.
- Experience the simplicity, power, and scalability of a single platform for every stage of the genomic analysis process.

A solution that provides support from a single vendor, under one unified and integrated contract to reduce complexity—all with Pure Storage embedded.



## How It Works

Distinct from traditional Equinix Colocation Data Center offerings that require customers to procure and purchase all of their hardware including servers, storage, and network switching; commit to long term contracts based on fixed power and space requirements; and to staff and manage the environment, Pure Storage on Equinix Metal delivers a 'white glove', on-demand or limited commitment, highly scalable hardware as-a-service.

The solution provides root level, administrative access and control to the entire processing power of individual servers, storage, and networking through a zero touch, fully automated provisioning platform in dozens of global data centers available with both limited commitment and on-demand scaling capabilities. This allows life science organizations to deploy and manage their entire IT infrastructure globally from a distance via an easy-to-use, web-based control plane and a full set of APIs for automation.

Organizations also maintain the advantages of controlling both the hardware—which is dedicated to their organization—and chosen software, all while never stepping foot in a data center.

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## Additional Resources

- To learn more about the economic benefits, schedule a meeting to get the [Enterprise Strategy Group \(ESG\) Economic Validation Total Cost of Ownership: Bare Metal as-a-Service vs. DIY Data Center Report](#).
  - Explore [Pure Storage on Equinix Metal](#)
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