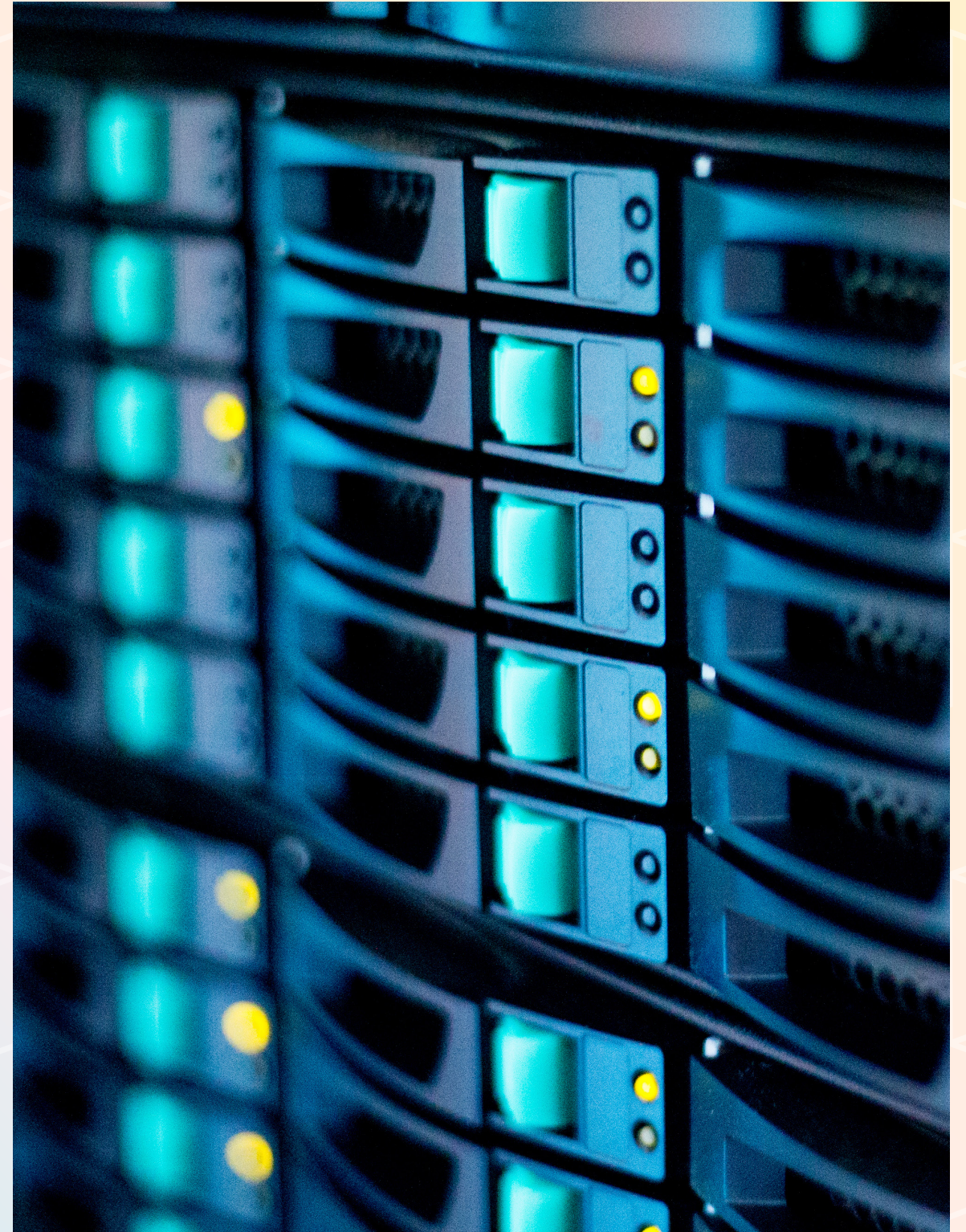EQUINIX

Nutanix Cloud Platform on Equinix Metal®

Enable your hybrid multicloud environment
with dynamic workload placement

Solution Brief

In today's digital economy, there's no one-size-fits-all playbook for creating competitive advantage. Understanding what makes your business unique is critical to your success, and it's no different with the infrastructure you deploy. You have specific business and workload requirements that suit private clouds, but to keep up with the pace of change, you need more flexibility and scale than traditional deployment models can provide.

Equinix and Nutanix have partnered to make it easier to achieve all these goals. Our joint customers can take advantage of the proven benefits of Nutanix Cloud Platform—a unified hybrid multicloud platform with a consistent management experience—running on Equinix Metal, our dedicated bare metal solution.

A smarter way to do private cloud

Hybrid multicloud is all about capitalizing on a range of ideal environments, meeting performance, capacity, security and regulatory requirements for each workload. Businesses need to deploy diverse workloads across different clouds and on-premises environments—and easily redeploy in the future to keep up with their changing business needs.

Our joint solution combines the cost-efficiency and ease of management of the Nutanix Cloud Platform with the global reach and on-demand infrastructure capabilities of Equinix Metal. Together, they enable deployment flexibility and infrastructure agility, all backed by industry-leading customer support from Equinix and Nutanix.

The solution provides the flexibility to help you diversify into a dual-vendor strategy—where you integrate Nutanix solutions alongside your existing investments—or migrate away from an existing provider altogether. Either way, you can manage everything from a single pane of glass and get the capabilities you need to limit risk, increase performance and ensure cost-efficiency.

Nutanix Cloud Platform offers unified management across clouds and on-premises

Nutanix Cloud Platform uses a modern, software-defined architecture that natively integrates IT resources to run any application with true consumer-grade simplicity. The Nutanix software stack is optimized to support ease of use and scalability. By running on a converged system, you get automated compute, storage and networking resources that can be aggregated across nodes, eliminating the need for centralized storage and minimizing infrastructure silos. You also have the flexibility to buy what you need today and then add nodes to scale compute and storage resources as needed.

Since Nutanix Cloud Platform provides a consistent experience wherever you run it—on-premises, in the public cloud or on Equinix Metal—you can place applications wherever you need them without refactoring or switching your operational model and tools. Nutanix also offers license portability between clouds, allowing you to easily move your workloads into any supported cloud.
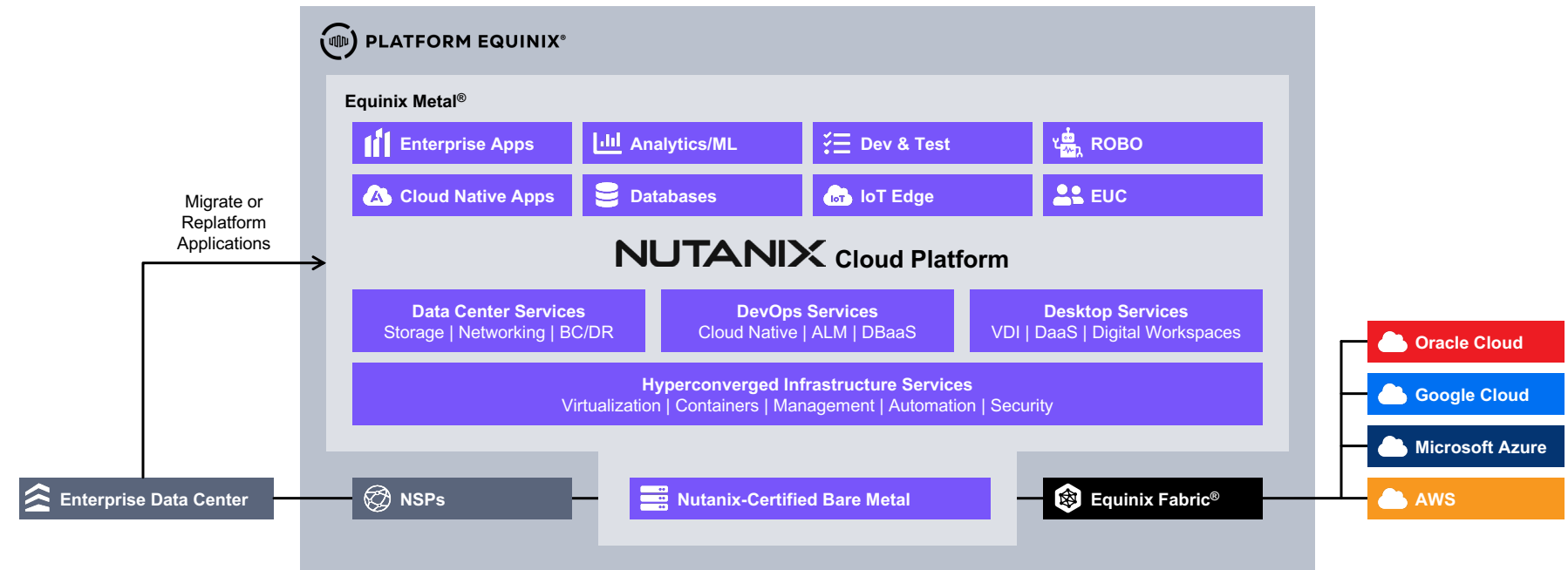
Equinix Metal provides global reach and infrastructure agility

Equinix Metal offers the control of on-premises hardware paired with cloud-like flexibility. It's currently available in 30+ metros worldwide, allowing you to deploy wherever your business needs might take you. You can also interconnect with thousands of enterprises and service providers from the Equinix digital ecosystem, including all major cloud hyperscalers.

Equinix Metal also offers proven cost-efficiency benefits. A recent report from ESG by TechTarget found that Equinix Metal's total cost of ownership was up to 72% lower than build-it-yourself infrastructure and up to 56% lower than public cloud Infrastructure as a Service.[1]

With Equinix Metal's global reach, you can enable cloud adjacency, where you deploy infrastructure in proximity to the cloud providers of your choice. A cloud adjacent architecture allows you to access cloud services on demand while maintaining control over your data and workloads.

Equinix Fabric® enables seamless mobility

To support cloud adjacency, Equinix Metal offers built-in integration with Equinix Fabric, our global, virtual networking solution.

Equinix Fabric provides dedicated connectivity between the different environments that make up your hybrid multicloud architecture, enabling secure, high-performance mobility. Using Equinix Fabric together with Nutanix Cloud Platform on Equinix Metal, you can quickly and reliably connect applications and data across environments—be it a cloud or on-premises data center—anywhere in the world. And with its unmatched, low-latency access to public clouds, it's the optimal service for your multicloud networking needs.

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1   Aviv Kaufmann, "Analyzing the Economic Benefits of Equinix Metal," Enterprise Strategy Group by TechTarget, September 2023.

Use cases

This solution supports the requirements of a broad array of private cloud use cases. Here are just a few of the most popular ones:

Consolidate data centers and enable cloud migration

- Reduce the need to run your own private data centers, freeing yourself to focus more on critical business outcomes.

- Lift and shift traditional workloads and data to a cloud-like environment without expensive, time-consuming refactoring.

- Expand into new markets quickly, with no need for a physical data center footprint.

Support latency-sensitive/ high-performance applications

- Get close to public clouds and network providers, ensuring low latency and a better user experience.

- Provide dedicated resources that ensure high performance for critical applications—without the overhead of virtualization.

- Use bare metal to easily adjust capacity for applications that experience seasonal or temporary fluctuations in demand.

Optimize your business continuity/ disaster recovery strategy

- Get a cost-efficient backup site on demand, instead of building and maintaining your own secondary data center.

- Integrate tools directly from the Nutanix stack, avoiding the complexity of standalone disaster recovery solutions.

- Define and implement high-availability policies for on-premises applications and data, using bare metal to scale up capacity as needed.

Ready to get started?

For more information about Nutanix Cloud Platform on Equinix Metal, contact us today.

Contact Us

Drive your future forward on Platform Equinix®

Platform Equinix is a global digital infrastructure platform. It is the only platform that allows digital leaders to reach the most strategic global markets with the largest ecosystem of digital partners, with infrastructure that assembles and deploys virtually in minutes.