

Cloud On Your Terms

One Platform for Hybrid Multicloud

HYBRID MULTICLOUD IS THE PREFERRED MODEL

Many IT leaders are under a mandate to embrace public cloud services as the logical solution to increase the speed of their digital transformation and innovation in IT. The best way to accomplish this is by taking advantage of different services, maintaining choice, and optimizing IT efforts and spend by easily running workloads on the cloud that makes the most sense. Public cloud is often chosen because it offers simplicity, usability, flexible consumption, and continuous improvement, but private cloud also has advantages that should not be overlooked. Legacy applications can be complicated, time-consuming, and expensive to move due to refactoring, customization, and interdependencies. There are also regulatory concerns for the hosted data and where that data might be hosted. Finally, many enterprise applications that have on-going and predictable demand can have a lower TCO running on premises. Because of these many factors and advantages for both private and public cloud, can there be a middle ground?

Hybrid cloud is the answer. A recent cloud usage report showed that 85% of IT professionals picked hybrid cloud as their ideal cloud model for their business. A hybrid multicloud offers the best features of all clouds: private and public.

EVOLVE EFFORTLESSLY

To implement your hybrid multicloud strategy, you need the best of both public and private cloud services without re-creating the silos from the past. Your business should be able to leverage the elastic nature of public cloud services, along with its simple management and usability, but with the security, control, and performance of private cloud. Nutanix cloud software was designed with this in mind—providing a public cloud experience in your private cloud. Since our software provides a single platform that can be used in the public cloud, it enables you to implement a hybrid cloud should your needs require it. This hybrid cloud approach ensures that unpredictable and short-term workloads can be hosted in public cloud if you want, while persistent, low latency, and sensitive applications and data remain on premises.

Hyperconverged infrastructure (HCI) technology has emerged as the top choice for cloud-building with its ability to incorporate web-scale architecture within the enterprise. HCI simplifies and speeds how you can build and manage your desired cloud approach. Picking the correct platform for your cloud transformation can make the difference between success or more challenges.

“Nutanix allows us to easily create a hybrid cloud environment spanning our Nutanix datacenter and AWS, so that we can very rapidly burst capacity in AWS when needed to quickly restore our workloads from a backup.”

– Craig Wiley, Sr. Infrastructure Systems Architect, Penn National Insurance

HIGHLIGHTS

- **Fast**
Build your hybrid multicloud in under an hour
- **Simple**
Manage all your clouds as one
- **Resilient**
Reduce disaster recovery from days to hours
- **Seamless**
Cloud migration with no code changes
- **Portable**
Same software, same licenses, no cloud lock-in

A platform that offers speed and scalability for deployment, updates, and recoveries—along with one-click operations that don't sacrifice reliability and security—can free your business from the complexity and cost of legacy IT.

When building your hybrid multicloud, there are some key functional areas to weigh against your specific needs.

Security: Protect your cloud. Security is one of the main advantages for building your hybrid multicloud. For IT organizations moving from a three-tier architecture to HCI and are experienced in datacenter operations, hybrid cloud security considerations will be very similar. Protecting your cloud with native data encryption, app-centric micro segmentation, and real-time security auditing in an HCI-based cloud platform enables automation, integration, and simplicity that give your organization the assurance it needs.

Storage: Eliminate storage silos. Data management needs to be an integral part of your cloud platform. This is an area where traditional infrastructure can create challenges. If your traditional on-premises architecture has separate storage systems to address diverse block, file, and object storage requirements, then that complexity makes it more difficult to create a hybrid multicloud environment, increasing OpEx and CapEx and making automation difficult. Nutanix cloud solutions ensure you can support the provisioning of multiple, independent storage types within a single platform for databases, applications, users, archives, backups, and other use cases that need them.

Automation: Enable ITaaS and simplify management. Traditional IT operation management tools were built for static three-tier infrastructures. They can overwhelm IT with their complexity. Nutanix hybrid multicloud solutions use machine learning and task automation to intelligently optimize the environment, proactively detect anomalies, and enable IT teams to automate operations with ease.

Cost governance: Gain visibility into the true cost of all your clouds. The best way to keep cloud usage under control is to see actual usage at different levels of granularity, including business units, departments, teams, and individuals. Taking it a step further and charging back costs is sometimes the only way to help departments meet their budgets and help plan future budgets appropriately. Nutanix cloud solutions provide the ability to visualize cloud consumption across both public and private clouds and directly enforce spend policies if needed.

Data protection and disaster recovery: Maintain application and data availability. A hybrid multicloud can support everything from traditional enterprise applications to the latest cloud-native apps—including business-critical applications and data. It can be hard to provide data protection and disaster recovery tools that address this wide range of needs. Nutanix cloud solutions ensure a high level of infrastructure resiliency, self-healing to eliminate fire drills, and built-in capabilities like snapshots, clones, and replication to tailor to specific needs.

BRIDGING PRIVATE AND PUBLIC CLOUDS

The idea to “just move to the cloud” as a simple solution to the challenges organizations face in the digital innovation era may or may not be effective. There are many factors to consider, such as data locality, latency, security, integration, and legacy applications. This is where a hybrid multicloud approach offers the best of all clouds.

POPULAR USE CASES

Enterprise Applications

Run Databases, VDI, ROBO, Cloud Native, Big Data/Analytics and more on a single platform while maximizing performance, resource efficiency, as well as cost.

Business Continuity

Use a public cloud region as a secondary backup site and replicate your on-premises entities that need to be protected through our unified management plane.

Lift and Shift

Save the trouble of tedious retooling or refactoring by easily migrating any application or workload with absolutely no code changes needed.

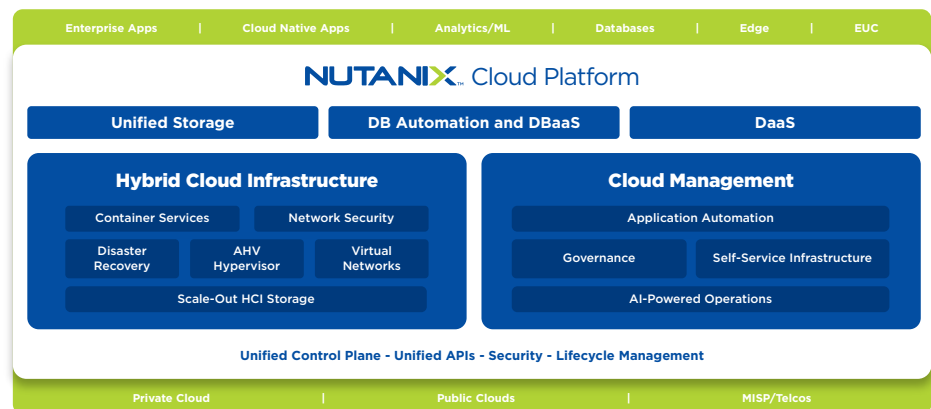
Trying to build a hybrid multicloud often ends up with unsatisfactory results, along with months of professional services and bolt-on products with nothing close to a true hybrid cloud. These pain points come down to the complexity of having to manage multiple infrastructures and numerous applications in an even more siloed environment.

Nutanix hybrid multicloud solutions, with HCI as the foundation, bring it all together, delivering a true, single cloud platform that seamlessly integrates your entire private, public, hybrid, and multicloud strategy. It offers the best of all worlds—controlled behind a single pane of glass—unifying management and operations with one-click simplicity, intelligent automation, and always-on availability.

Enabling hybrid multicloud with Nutanix gives you the flexibility to pick the right resources for your workloads and strategy and adjust seamlessly as your business grows. Burst capacity from datacenters to hosted clouds and public clouds like Amazon Web Services (AWS) or Microsoft Azure. Simplicity comes from integrating natively with public clouds without requiring any additional network overlay complexity and providing direct access to cloud-native services. Unlike the other hybrid cloud offerings in the market, the Nutanix hybrid multicloud solution features out-of-the-box networking integration with public clouds. This allows application builders to focus on code and application design, not the infrastructure or cloud connectivity.

Nutanix hybrid multicloud solutions ensure on-premises and public environments are operated as a single cloud. Start your transformation today with HCI as your cloud foundation, and when you are ready, move from private cloud to a hybrid multicloud environment in 60 minutes or sooner. Eliminate silos in your datacenter and your organization so that you can focus on innovation instead of remediation—all with a dramatically lower TCO.

To learn more visit: www.nutanix.com/hybrid-cloud or try it for yourself at www.nutanix.com/testdrive



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