

SIMPLIFYING CLOUD COMPLEXITY

With the Nutanix Hybrid Multicloud Solution

In an era when the application environment of nearly every organization spans multiple diverse on-premises and cloud locations, IT's focus must be on simplification. Organizations deal with tremendous complexity stemming from using a mix of on-premises, public cloud, and edge IT where the different experiences, capabilities, requirements, and considerations hinder operations, slow initiatives, and create unnecessary risk and cost.

Multicloud Complexity and Inconsistency Hinder Operations

Connecting dispersed applications and data via the network can be difficult due to the need for organizations to coordinate various management and monitoring tools, align numerous processes, and incorporate everything into the continuous integration and deployment DevOps pipeline. Addressing challenges associated with the variations of each location has become one of the biggest roadblocks organizations face when leveraging multiple cloud providers.

Nearly nine in ten organizations leverage multiple public cloud infrastructure providers.

Organizations cited the following as some of their most difficult challenges related to new application deployments across multicloud environments:



32% of respondents reported that they experienced issues with **network interconnections**.



31% cited problems **connecting to legacy environments**.



32% also reported challenges with establishing the organizational dynamics that are required to support multiple cloud environments, **with team coordination issues leading that list**.

Meeting Expectations and Achieving Consistency Across Locations

In addition to the complexity of connecting dispersed multicloud environments, organizations reported that the diversity of environments increased the difficulty when they needed to ensure that an application can achieve the expected security, availability, and performance.

Ten most common challenges migrating workloads across the multicloud environment

1. Meeting security expectations
2. Meeting cost expectations
3. Time and cost of learning different architectures
4. Network interconnect availability/differences
5. Time and effort associated with moving apps/data between multiple public cloud services
6. Ensuring proper coordination/cooperation between multiple cloud teams along with traditional IT functional teams
7. Integrating continuous integration/continuous delivery (CI/CD)
8. Meeting internal expectations for migration pace/keeping up with business demands
9. Varying support services and SLAs
10. Ensuring a consistent user experience

How Nutanix Simplifies Multicloud Environments

The Nutanix Cloud Clusters (NC2) solution reduces the operational complexity of hybrid, multicloud deployment and management by leveraging a single set of tools and constructs when extending, bursting, and migrating applications and workloads.

Benefits include the ability to:

- Use existing AWS and Azure accounts and services.
- Use existing cloud credits.
- Leverage Nutanix Cloud license portability.
- Leverage an identical operating model across different endpoints.

Benefits to IT and cloud operations teams include:

- Reduced training and staffing burdens.** Nutanix offers consistency and commonality across hybrid, multicloud, and edge environments, minimizing the need to train and retrain IT and cloud admins.
- Accelerated data movement by reducing complexity and risk.** Nutanix offers the option to use a single, common set of tools and security policies across all environments, helping provide the flexibility to move applications to the cloud quickly, with no re-factoring or re-platforming necessary.
- Flexibility and choice with consistency.** The Nutanix partner ecosystem gives organizations more flexibility through its support for software and hardware options. In the public cloud, Nutanix supports AWS and Azure, along with numerous service providers.
- Financial flexibility and optimization.** Nutanix offers portable licensing across cloud, on-premises, and edge environments, so if demands change, licenses can move with the workload, simplifying operations while reducing costs.
- Accelerated operations and innovation.** With consistency achieved across locations, Nutanix and its Prism control plane can simplify the implementation of self-service provisioning of hybrid, multicloud infrastructure by platform teams, developers, and line-of-business teams.

Conclusion

Establishing a seamless multicloud experience can be difficult, especially at scale. Organizations using Nutanix solutions enjoy the benefits of one consistent, identical architecture to manage everything across cloud, edge, and on-premises locations. The level of simplicity Nutanix offers makes it possible for IT admins, including remotely located staff, to manage, monitor, and move all workloads, wherever they are, from a single platform, economically and with ease.

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