

# On-demand Elasticity with NC2 (Nutanix Cloud Clusters)

Extend resources from Private to Public Clouds in Minutes



On Demand Elasticity

## CHALLENGES

- Temporary spikes in business demand make capacity planning difficult
- Over-provisioning can lead to wasted capital expenditure
- Costs of using public cloud bare metal instances in a hybrid cloud can quickly add up

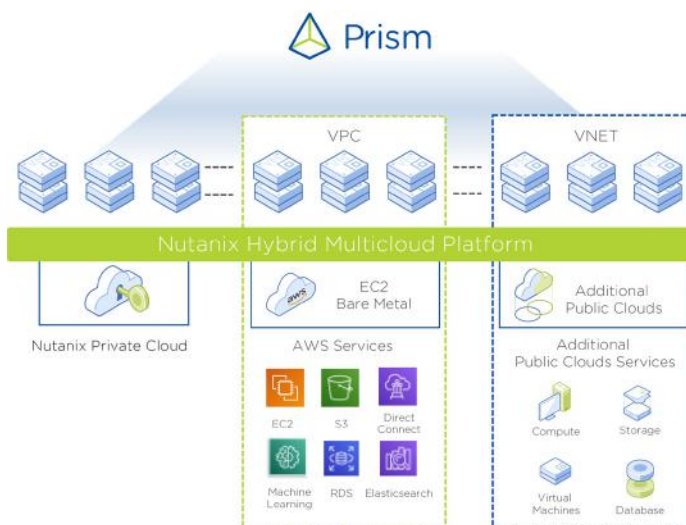
## KEY BENEFITS

- Maintain datacenter capacity at normal utilization and burst on-demand into public clouds with no re-architecture needed
- One-click hibernate and resume feature will ensure you only pay for what you consume

## RAPIDLY SCALE CAPACITY BEYOND YOUR DATA CENTER WITH A HYBRID AND MULTICLOUD SOLUTION

In today's globally connected world, businesses need the ability to respond swiftly to changing customer demands. This requires IT to constantly adapt to meet fluctuating resource demand, which is often challenging with a traditional IT approach. Managing multiple infrastructures, applications and integrations in siloed cloud environments makes bursting capacity to cloud complicated for your team.

Avoid the costs and complexity of re-architecting applications and scale capacity on demand with NC2. Delivering the industry's first Hybrid and Multi-cloud platform, NC2 provides the agility, resilience, and flexibility to run applications in both private and public clouds. Unlike a traditional hybrid cloud approach that often requires complex networking overhead, NC2 provides native integration between your private cloud and various public clouds without additional networking overlay.



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## WHY BUILD A HYBRID AND MULTICLOUD SOLUTION WITH NUTANIX?



**Operational Simplicity**  
Single infrastructure management plane across all clouds



**Seamless App Mobility**  
App migration across clouds with no code changes needed



**Cost Efficiency**  
License portability & cost optimization features maximize investment

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## OPTIMIZE COSTS WITH ON-DEMAND SCALING

Seasonal fluctuations in business activity will often cause temporary spikes and drops in computing resource demand, which can make capacity planning tricky. Peak resource requirements can be challenging to predict without overspending. If the predicted peak only lasts a short period and your average demand is much lower, you could be left with a lot of underutilized capital investment.

Nutanix gives your team the ability to scale resource capacity responsively to support constantly changing resource needs, helping keep costs in check. Easily scale up by bursting workloads on demand to public clouds, or scale down by hibernating resources that are no longer in use. This prevents any additional spending on unused resources by storing your data in a “hibernated” state in cloud storage (feature in early access). Hibernation applies to both the Nutanix software and the public cloud bare metal instances so you only pay for resources when you consume them. As demand picks up, you can just as easily resume capacity by restoring your session exactly as you left it.

Further optimize costs by not just migrating your workloads, but also your software licenses across clouds. License portability ensures that you can maximize your IT investments without becoming locked in to any single cloud platform.

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## SUPPORT DEVELOPER PRODUCTIVITY WITH RAPID RESOURCE PROVISIONING IN THE CLOUD

Avoid the often-extensive delays in procuring resources for your dev/test teams by quickly provisioning capacity in public clouds while managing the infrastructure from a centralized management plane. Eliminate the often extensive delays to procure VMs to your developers. With NC2, you can provision dev/test environments that integrate with modern CI/CD automation tools in the developer cloud of choice. Access native AWS services seamlessly for new application development and give your developers on-demand access to the cloud native tools and resources they need to innovate faster.

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## GETTING STARTED

Nutanix helps you easily add resource capacity for your applications, without expanding your data center footprint, on a platform purpose-built for seamless interoperability between private and public clouds.

[Click here](#) to take a test drive today!



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