Nutanix Cloud Clusters (NC2)

KEY BENEFITS

- **Integrated visibility and control**
  Use a single, unified management control plane to see, manage, move, and secure data and applications across dissimilar clouds.

- **App mobility**
  Quickly migrate applications to public clouds without modification, risk or relicensing software.

- **Cloud-native integration**
  Gain direct access to the cloud-native services and features of AWS and Microsoft Azure.

- **Faster time to value**
  Accelerate cloud and digital transformation initiatives so your business can start benefiting from them as quickly as possible.

- **Built-in expertise**
  Avoid retooling and reskilling as you make changes to your hybrid multicloud.

- **Dynamic access to IT resources**
  Immediately tap into public cloud resources when you need extra capacity to accommodate unpredictable or seasonal usage spikes.

Gain comprehensive visibility into your entire hybrid cloud environment with the industry's first unified, cloud-agnostic operations platform. Nutanix Cloud Clusters (NC2) accelerates your hybrid cloud initiatives, enabling easy application migrations while continually optimizing workloads, managing cost, and reducing risk.

✔ Management   ✔ Cost Control
✔ App Mobility   ✔ Cloud-Native Integration
✔ Security   ✔ Workload Optimization

ENTERPRISE CLOUD CHALLENGES

- Businesses often require cloud services from different providers with incompatible platforms.

- Managing each cloud separately requires multiple skills and toolsets. It's complex, laborious and costly.

- Optimizing IT means regularly re-evaluating workload placement, but it's difficult to get full visibility into resource usage and cost in mixed-cloud environments.

- Refactoring or re-architecting applications for different cloud platforms can be time-consuming and costly, which puts cloud initiatives at risk.

- Sticking with a single cloud provider to avoid compatibility and skillset issues creates vendor lock-in that can inhibit your agility, purchasing power and success.

NUTANIX

DEPLOY MULTIPLE CLOUDS...

Businesses have many compelling reasons to adopt hybrid cloud IT infrastructures. But datacenters, private clouds and public clouds use different architectures, development platforms and tools. That makes moving applications to a new environment and managing them time-consuming and costly.

...without complexity and risk

That's why you need Nutanix Cloud Clusters. NC2 lets you see, manage, change, and secure your private and public clouds in the same way. All using a single unified console and skillset.

...by extending Nutanix to any cloud.

NC2 extends the simplicity of the full Nutanix hyperconverged infrastructure (HCI) software stack to AWS, Microsoft Azure and other public clouds. If you already use Nutanix on-premises, you can use it to manage your public cloud deployments, too – using the software licenses you've already purchased.

Operational Simplicity
Single management plane across private and public clouds

Seamless App Mobility
One-click lift-and-shift app and license portability

Cost Efficiency
One environment to optimize, manage and secure

WHAT YOU GET WITH NC2

Multicloud visibility and operations

Integrated multicloud management gives you visibility into workloads across all cloud instances – from on-premises to the public cloud. You get the full picture of each infrastructure's utilization and security settings, current and historical, plus the ability to make changes to keep all workloads optimized and in compliance.

Lift-and-shift application migration

With NC2, there's no retooling or retraining needed to migrate and operate any applications in the public cloud. Simply click to migrate the VMs to the public cloud of your choice running NC2.

On-demand IT resource agility

NC2 merges your on- and off-premises applications into one cohesive, unified multicloud infrastructure. This makes it incredibly easy to rapidly provision public cloud IT resources to accommodate usage surges – or to failover to backup resources in the public cloud if you experience an outage.

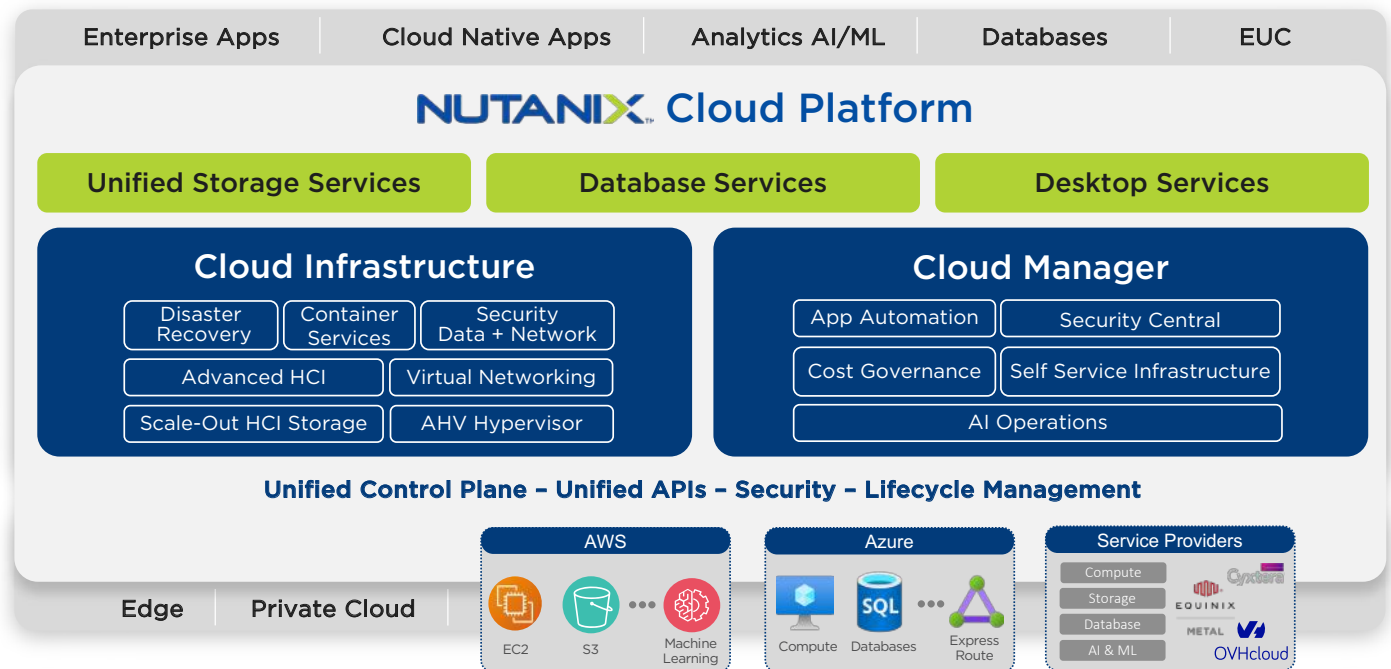### Cloud-native integration and app development

NC2 integrates natively with your chosen public cloud, giving you direct access to those operators' cloud-native tools and services. In addition, the Kubernetes engine in NC2 makes it simple to build, manage and host modern cloud-native applications in your developer's environment of choice.

HOW NC2 WORKS

NC2 is an extension of the Nutanix Cloud Platform. It replicates the core Nutanix HCI software used on-premises in a public cloud hyperscaler environment, delivering the same virtualized, software-defined benefits in private and public clouds.

This enables users of the Nutanix Cloud Platform to move VM-encapsulated applications to the public cloud of their choice without retooling, code changes or new skillsets. It's a simple way to take advantage of the strengths of private and public clouds for optimum treatment of each application.

NC2 is natively integrated with leading public-cloud hyperscaler services. The differences and complexities of these platforms are hidden from IT operators by an abstraction layer. This layer makes viewing and managing a mix of Nutanix public and private clouds appear as a single, unified cloud, while giving IT administrators control over where applications are deployed.

Enterprise Apps	Cloud Native Apps	Analytics AI/ML	Databases	EUC

NUTANIX Cloud Platform

Unified Storage Services	Database Services	Desktop Services

Cloud Infrastructure
- Disaster Recovery
- Container Services
- Security Data + Network
- Advanced HCI
- Virtual Networking
- Scale-Out HCI Storage
- AHV Hypervisor

Cloud Manager
- App Automation
- Security Central
- Cost Governance
- Self Service Infrastructure
- AI Operations

Unified Control Plane – Unified APIs – Security – Lifecycle Management

AWS	Azure	Service Providers
EC2 S3 Machine Learning	Compute Databases Express Route	Compute Storage Database AI & ML / Cyxtera EQUINIX METAL OVHcloud

Edge	Private Cloud

FOR MORE INFORMATION ABOUT NC2

Visit www.nutanix.com/nc2

CUSTOMER QUALIFICATION CHECKLIST

If you're a Nutanix customer and any of the following apply to your organization, you're likely to benefit from NC2.

Customer Qualification Checklist	
Your company is reducing its reliance on three-tier architectures or divesting datacenters in favor of a cloud-based infrastructure.	✓
You're looking to quickly migrate applications to the cloud with minimal risk.	✓
You need to use cloud providers for their respective service strengths but lack the technology skillsets and budget to manage geographically dispersed clouds.	✓
You need to avoid cloud vendor lock-in.	✓
You have the skills and budget to manage multiple clouds but prefer an integrated, holistic cloud platform for end-to-end visibility, cost optimization, consistent management, security, and compliance.	✓
You'd like to build cloud-native apps as quickly as possible and accommodate developers who have different programming environment preferences.	✓
You'd like your apps to be able to use any public cloud provider's advanced native capabilities, such as AI-driven machine learning and analytics.	✓
You consider it more cost-effective to use dynamic, public cloud IT resources to meet unexpected usage surges or seasonal resource demands than to overprovision expensive dedicated infrastructure.	✓
You're considering diversifying your backup IT resources across multiple cloud infrastructures to fortify your resilience to outages, boost availability and minimize downtime.	✓

NUTANIX.

T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | @nutanix