NUTANIX Nutanix - New Products and Technology

Make datacenter infrastructure and clouds invisible, elevating IT to focus on applications and services

10,000+ customers Over 140 countries 6 continents



Founded in 2009

~4,000 employees

Gartner Magic Quadrant for Hyperconverged Infrastructure 2018



Strengths

Gartner

"Highly innovative and scalable architecture that is generationally advanced compared with most rivals."

"Flexibility in hypervisor choice with growing adoption of AHV, based on KVM, as customers seek a lower-cost alternative to VMware ESXi."

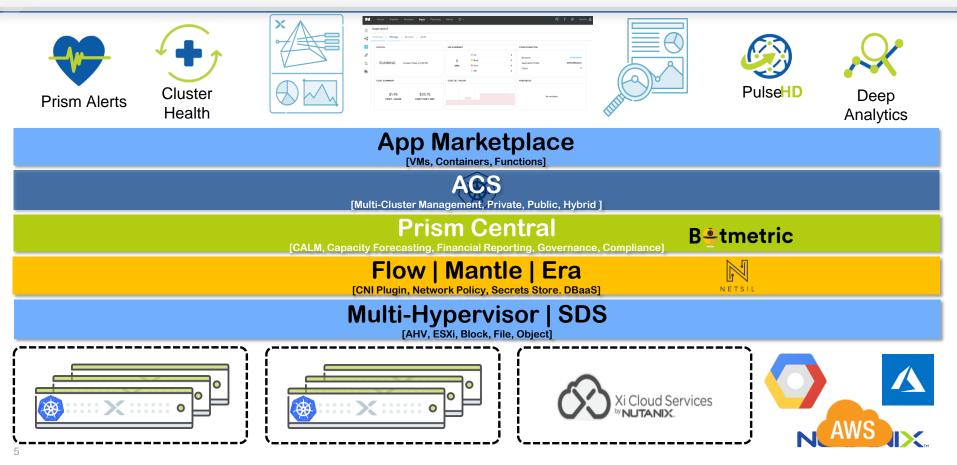
"Proven user acceptance and high customer satisfaction, resulting in repeat sales and high node counts (100+) in large

Nutanix Beats Three-Tier Architectures

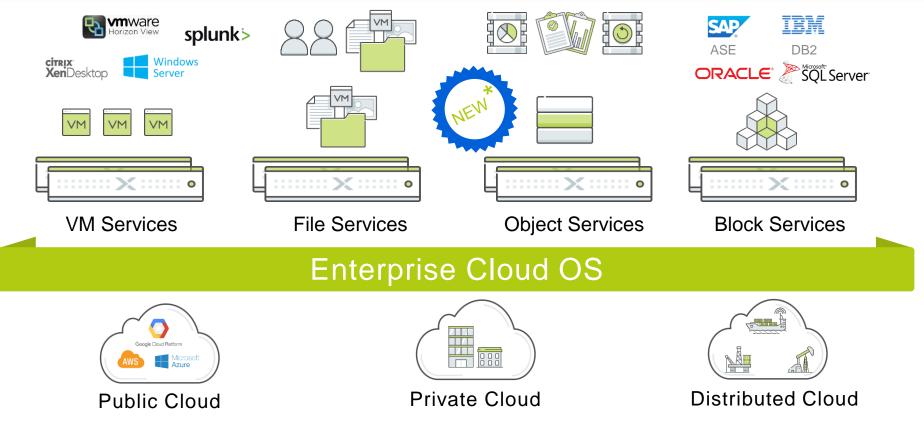




Software Convergence Cloud-Native Infrastructure for All Workloads



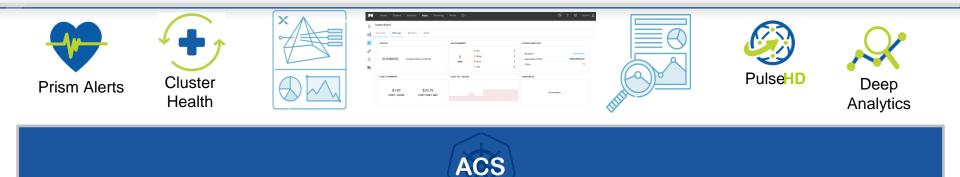
Unified Platforms for All Enterprise Workloads



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Acropolis Container Services 2.0

ACS – Global Kubernetes Cluster Manager



PRISM CENTRAL



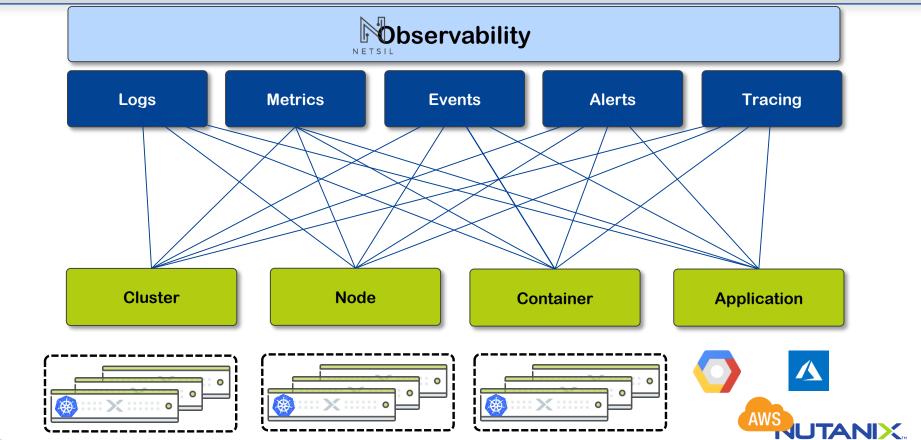


> Why ACS – simplify Kubernetes without hiding its power

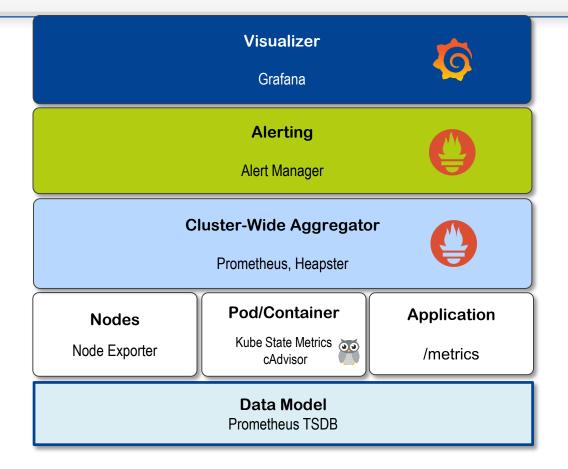
- Easy to use
 - Fastest path to Kubernetes on-prem
 - Multi-Cluster Management
- Easy to manage
 - Highly Available Cluster Provisioning
 - Lifecycle Management (in-place upgrades and patching)
 - Integrated Storage, Networking, Monitoring, Logging and Alerting
 - End-to-end visibility into clusters and workloads
- Uses Open APIs
 - 100% upstream Kubernetes and Docker
 - Free to use 3rd party ISV's
 - Team contributes to the Kubernetes project
- $_9$ ACS API's



> Visibility about your Kubernetes Cluster



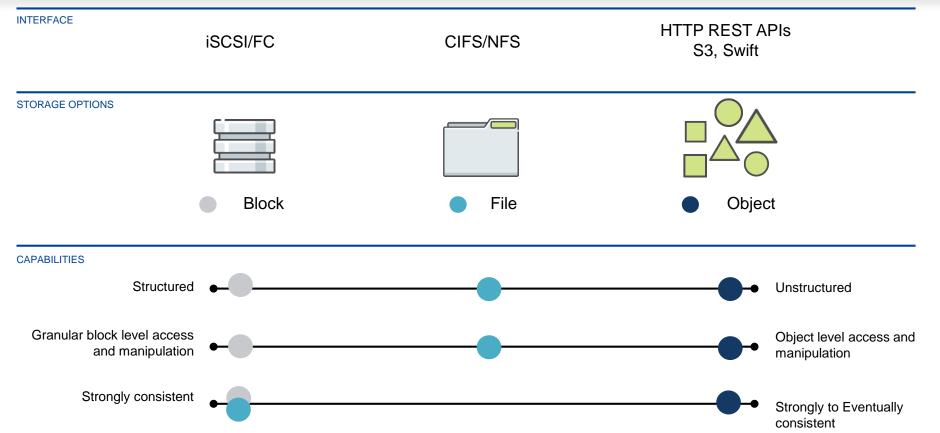
> ACS – Integrated Monitoring and Metrics



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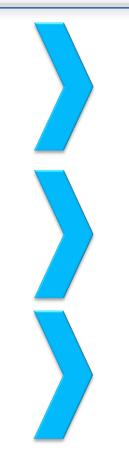
NUTANIX Object Storage Services

Block, File, Object Storage Spectrum



> Why Object Storage

- 1. Objects are inherently immutable, making them ideal for long term retention.
- Object Versioning allows modifications, but still keeps older data intact (kind of like our snapshots).
- Object storage is capacity-optimized: limited requirements around CPU/Memory/Flash → enables dense, cost-optimized platforms.
- Durable and Accessible 3rd platform backup (3-2-1)
- 5. Global namespace for cross geo collaboration.
- Enables Build -> Test -> Deploy -> Scale with a standard S3 protocol.



- Long Term Retention
- Active archive
- Write Once Read Many (WORM)
- Regulatory compliance



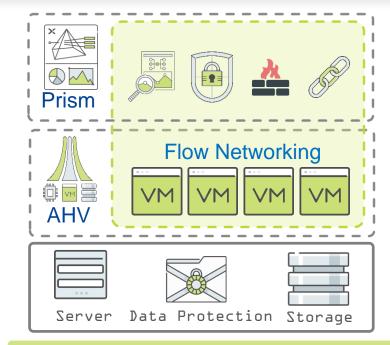
- Multiple sources
- Database backups
- Ecosystem



- DevOps
- Build, release, and operate
- A/B testing
- Automation

NUTANIX Flow and Netsil

Flow – App-centric Security for Enterprise Clouds



- Native functions built into the Nutanix Enterprise Cloud and AHV
- Powerful visualization, policy, microsegmentation and networking capabilities
- Intuitive & scalable solution with no additional tools needed
- "1-Click" simplicity of Nutanix

Comprehensive Visibility, Security, and Automation





Why are we delivering Flow?

- Better security at the heart of the datacenter
 - Compliments traditional perimeter security
 - Prevent VM:VM malware spread
- East / West firewalls (microsegmentation) protect against insider VM to VM threats
 - Volume of end points makes traditional implementations complex to manage within dynamic VM environments.

How is Flow Different?

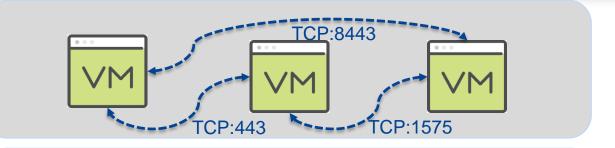
- Flow is an easy to manage East / West firewall based on an unique visualizations and policy model
 - Express policy in the language of the application





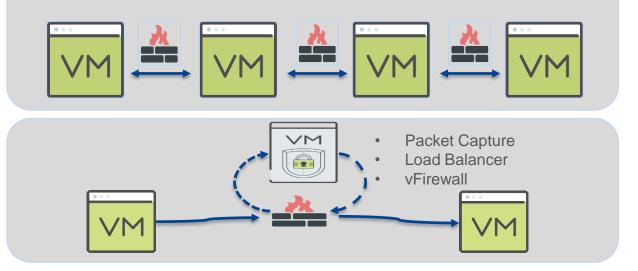
Nutanix Flow – Visibility, Security, Automation

Application Visualization

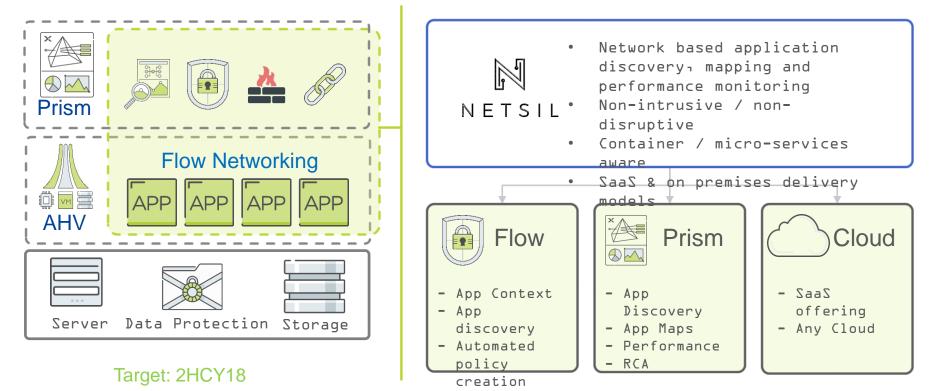


Define Policy for Microsegmentation (East-West Firewall)

Expand with Service Chains Network Functions



Flow + Netsil – App-Centric, Any Cloud



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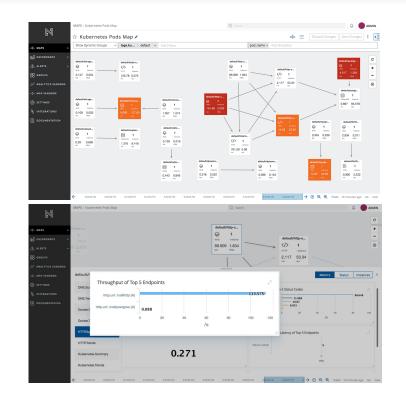
Netsil Technology – Mapping and Discovery

See everything with auto-discovered application Maps

- Monitor traffic flows and reconstructs application protocols between all internal & external services.
- Search and discover services and their dependencies pervasively without any code changes.
- Create and share maps by filtering and logically grouping hosts by infrastructure tags and traffic attributes.
- Time travel to compare past behavior, for example, before and after new deployments.

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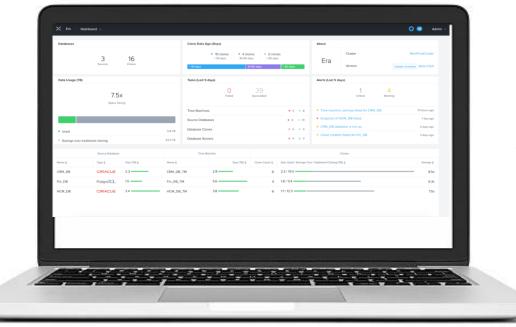
• KPIs such as latency, throughput, errors are available on the services







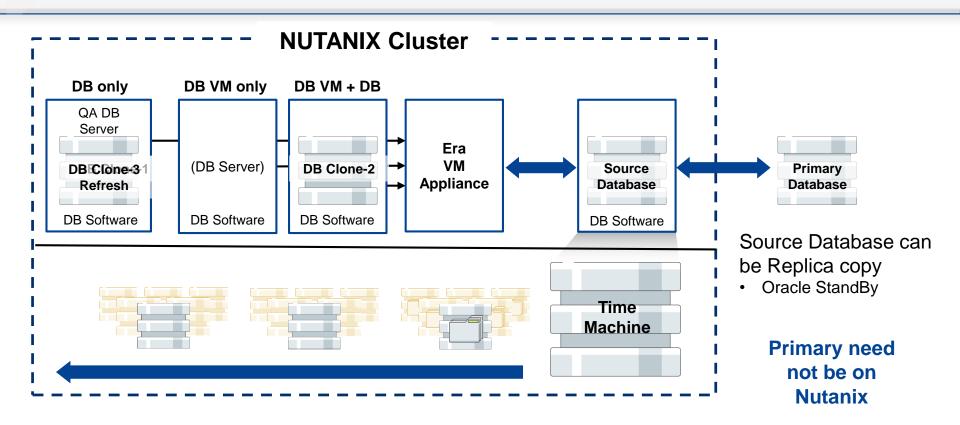
Introducing Nutanix Era



Database Made Simple

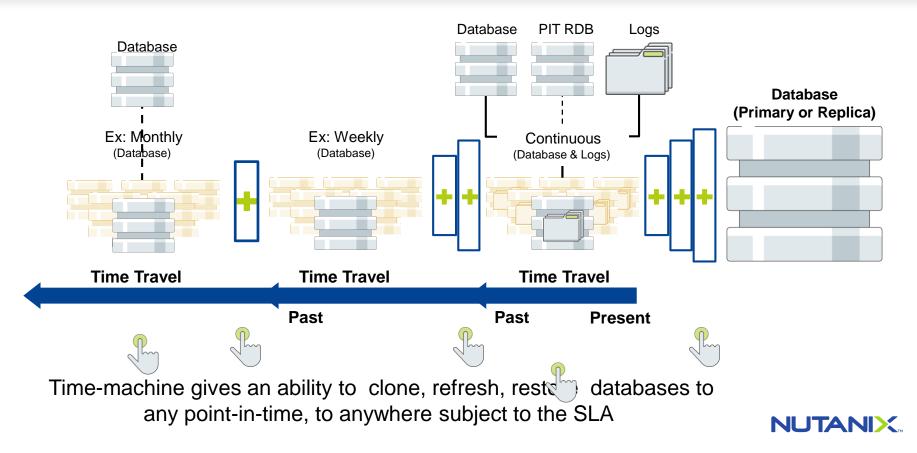


Era's Copy Data Management feature

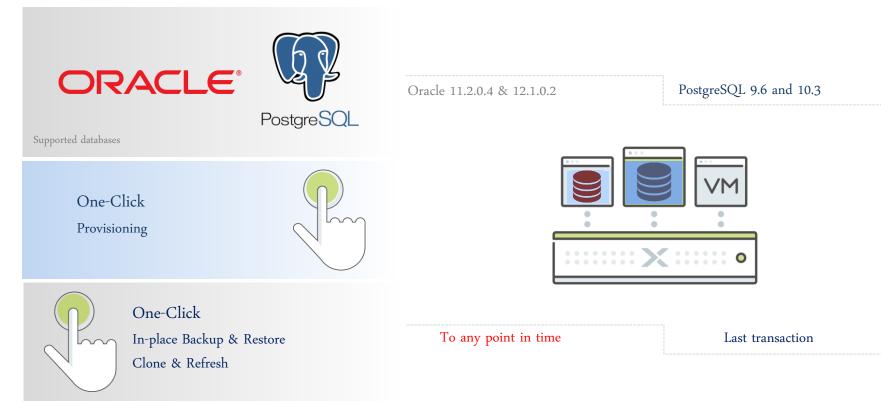


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Time Machine: Full Privilege View (Prod Admin)





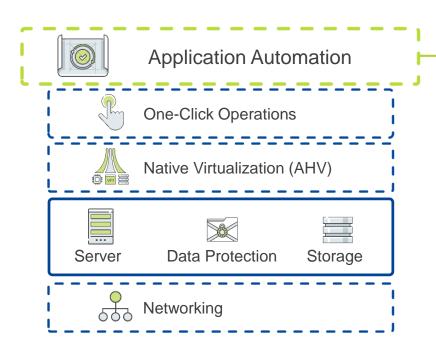






Calm

Delivering the Enterprise Cloud Vision

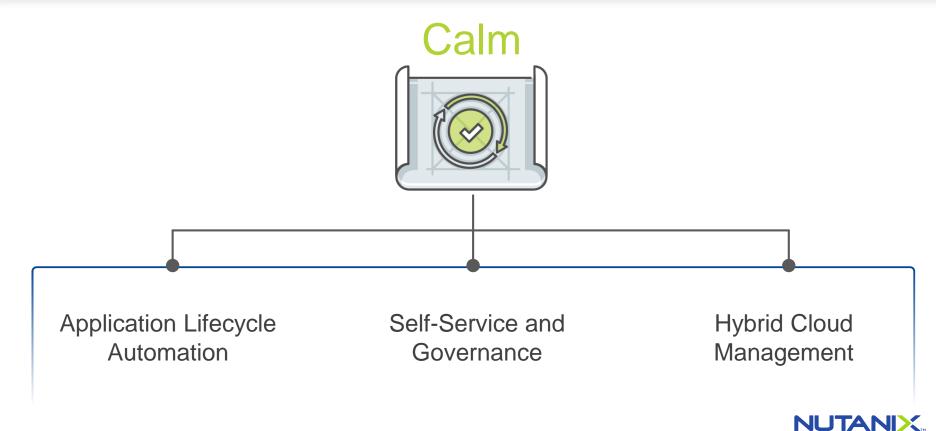


Application Automation

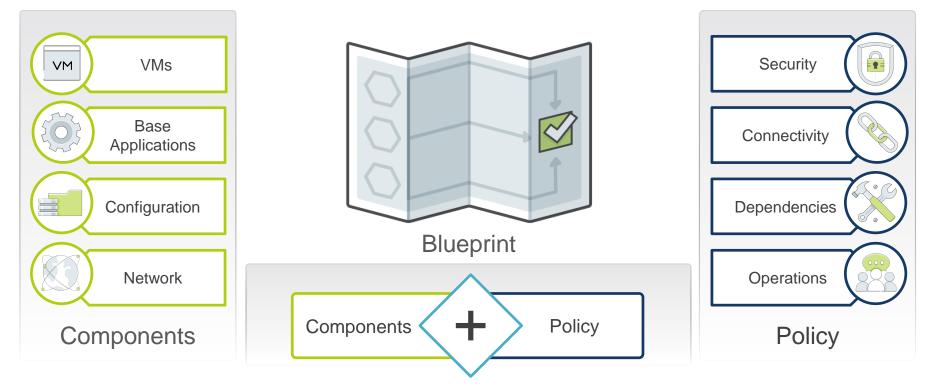
- App-centric orchestration and lifecycle management
- ✓ Policy-based governance
- ✓ Self-Service provisioning





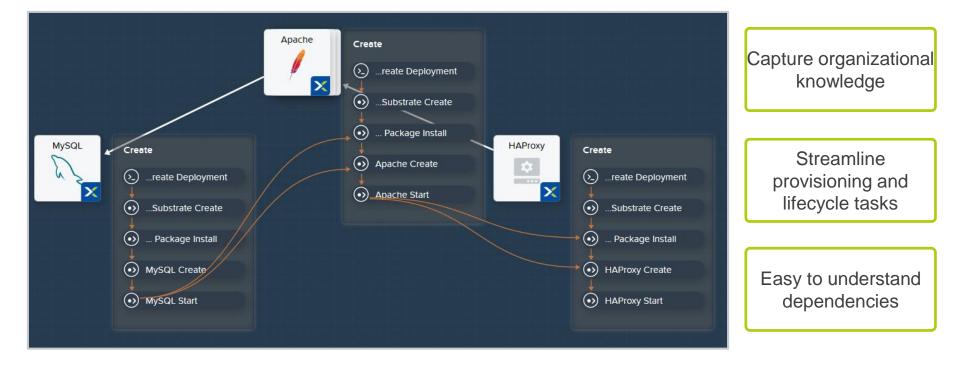


> Blueprints Capture All Elements of the Application



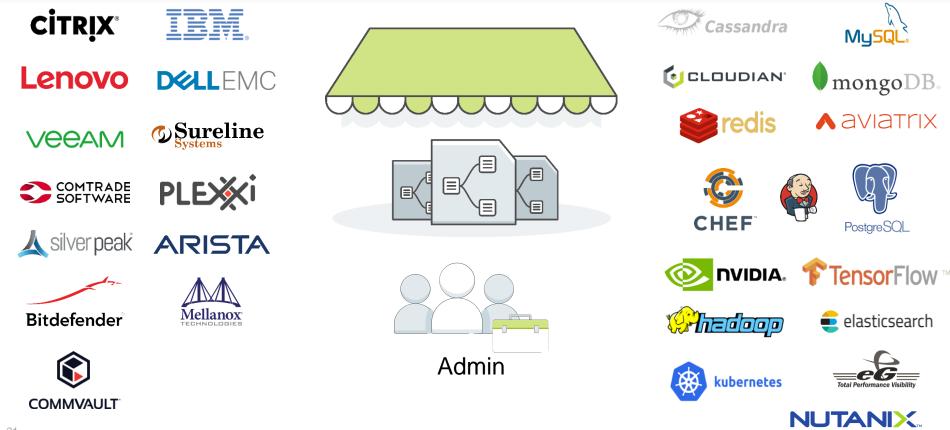
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Make Sense of Complexity in a Visual Way



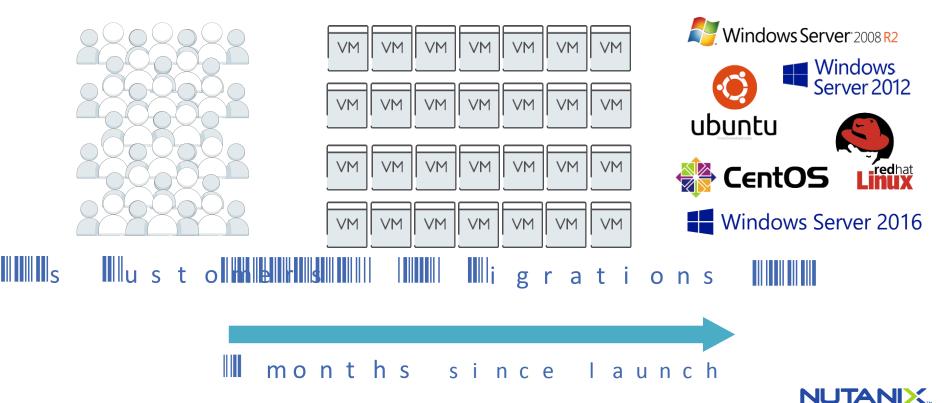


> Pre-Integrated Blueprints

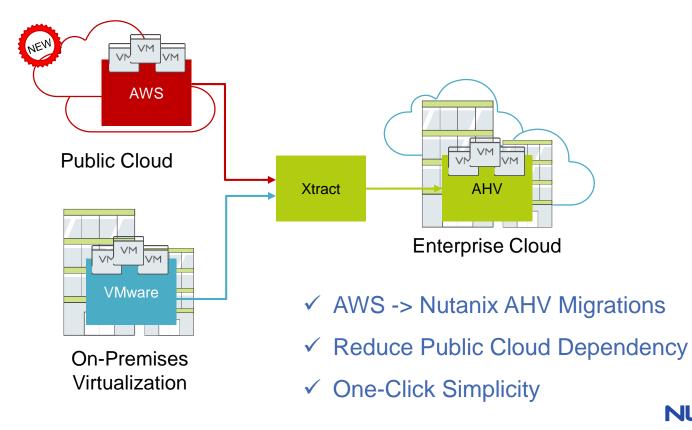


NUTANIX Xtract & X-Ray

Xtract Customer Adoption

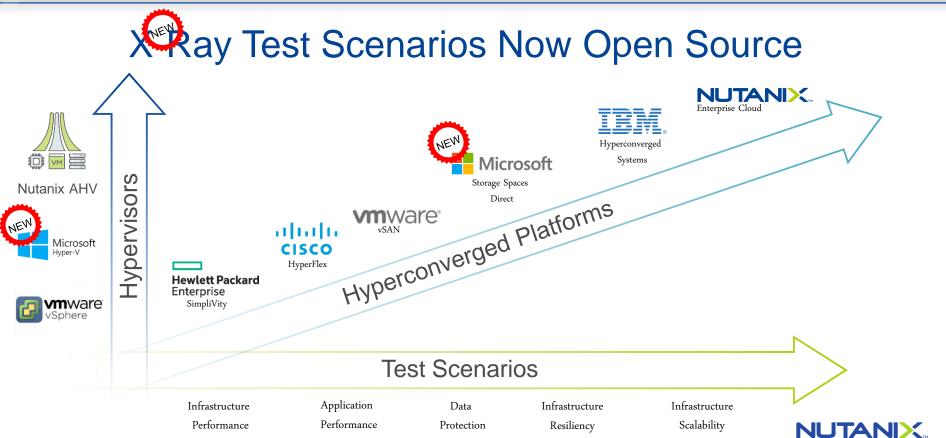


Introducing App Mobility with AWS VM Migrations



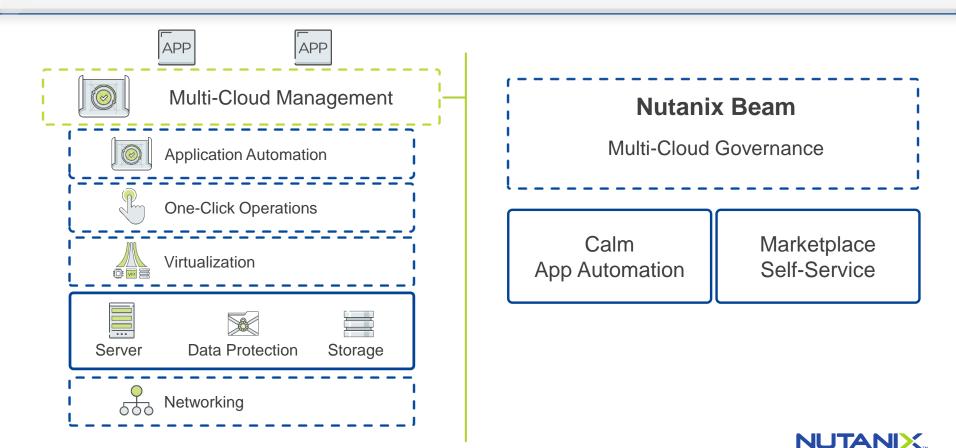


> X-Ray: Chaos Monkey for the Enterprise Cloud





Beam Adds To Our Multi-Cloud Mgmt Strategy

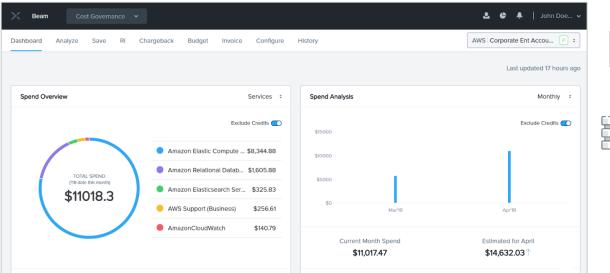


Nutanix Beam – Freedom To Multi-Cloud





Cost Visibility and Optimization





Unified Cost Visibility

Single dashboard across clouds



Intelligent Cloud Insights

Optimization recommendations based on machine-intelligence



One-Click Cost Optimization

Eliminate or right-size unused and underutilized resources



Intelligent Consumption Planning

hboard	Analyze	Save RI	Chargeback	Budget Invo	olce Configure History			
YPE		PLATFORM	LOCA	ATION	PURCHASE TYPE Edit		QTY	ON DEMAND COS
2.micro		Windows	us-w (az)	vest-1b	1 Nos 1yr, All Upfront, standard		1	\$161.18
		1 Yr Standard		3 Yr Standard		1 Yr Convertible		
No Upfront	Savings On Demand Savings Upfront		20.65% 161.18 33.28 0.00	Savings On Demand Savings Upfront	37.50% 483.55 181.33 0.00	Savings On Demand Savings Upfront		12.50% 161.18 20.14 0.00



Proactive Utilization Planning

Ongoing recommendations for consumption planning



Intelligent Purchase Recommendation

Powered by machine-intelligence to improve cloud spend

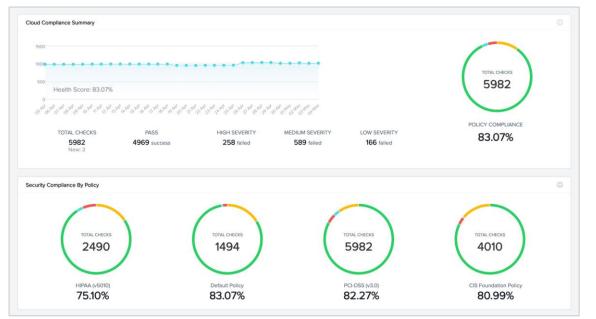


Multi-Cloud Savings

Complex planning turns into simple decisions



Simplified Security Compliance





One-Click Remediation

Click-to-fix security and compliance vulnerabilities



Policy-Based Compliance

Enforce policies for HIPAA, ISO, PCI-DSS, CIS, NiST,SOC-2



Custom & Built-in Security Checks

250+ built-in security checks





