

Behind the scenes of VMware migration

Feedback from Orange Cyberdefense

NUTANIX

Speakers



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Nutanix Reduces IT Complexity

Any Workload, Any App

Gen AI Models
New Cloud Native Apps
Traditional Virtualized Apps
Databases
Desktops

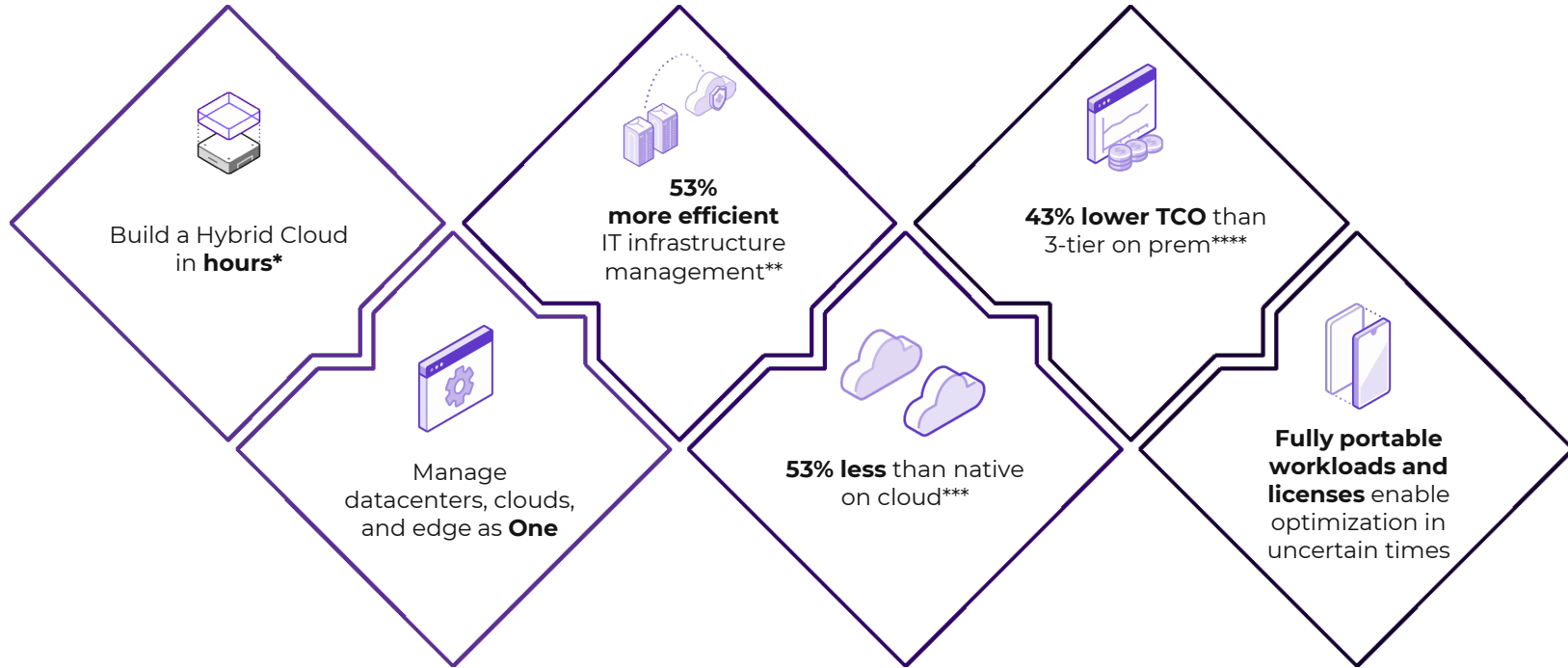
Nutanix Cloud Platform

Run Anywhere

AI Factories
Data Centers
Public Clouds
Service Provider Clouds
Edge Locations

One Platform to Run Apps, Data, and AI Anywhere

Why Nutanix?



* Nutanix Cloud Clusters on AWS deployed in 45 minutes
** & **** IDC White Paper, sponsored by Nutanix, The Business Value of Nutanix Cloud Platform, October 2022 (#U549715622)
*** ESG White Paper, commissioned by Nutanix, Managing Applications and Data On-premises and Across Hybrid Clouds, By Paul Nashawaty, ESG Senior Analyst, Oct. 2022

One Platform For All Apps, Data & AI Anywhere

Nutanix Central

Prism Federation

API | Alerts | LCM | IAM

Cloud Manager

AIOps | Self-Service | Cost | SecOps

Kubernetes Platform

LCM | Fleet Management | Security

Data Lens

Security | Privacy

Project Beacon

Files, Objects

Cloud Native AOS

Database Service

Enterprise AI

Nutanix Cloud Infrastructure

(AOS, AHV, Flow, DR)

Edge, Datacenters, Public & Service Provider Clouds



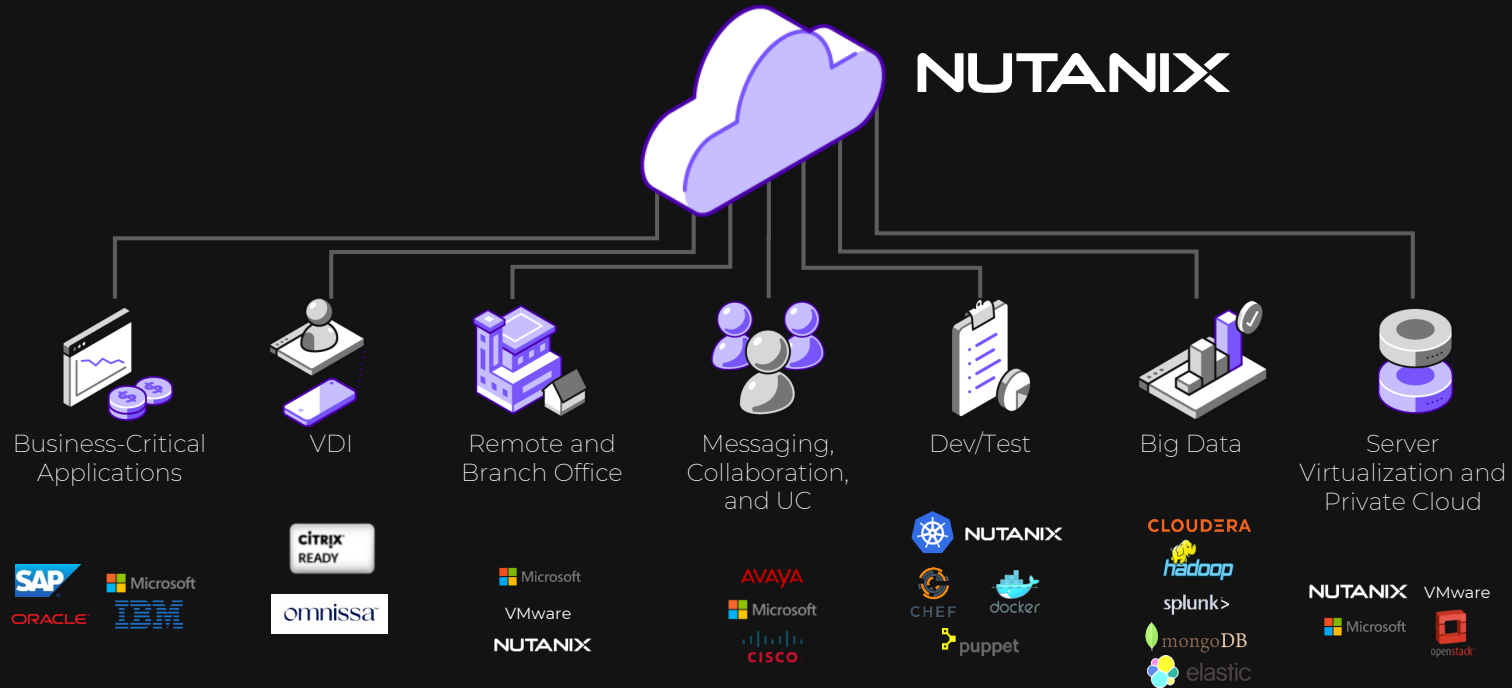
Any Bare
Metal Linux



How to migrate to Nutanix Successfully

From VMware ESX to Nutanix AHV: Keys to Success

It's All About the Applications & Business



Common Migration Methodology

Inventory Tools

- Nutanix Collector
- RVTools

Legacy
Production

Start

1

Infrastructure
Centric

2

Application
Centric

- Automated Migration Tools
- Manual Replace or Rebuild

3

3

- Automated Migration and App Deployment Tools
- Manual Rebuild or Re-Architect

Validation

- System Integration Testing
- User Acceptance Testing
- Load Testing
- Workload Tuning
- Final Go/No-Go

Go/No-Go

4

Production

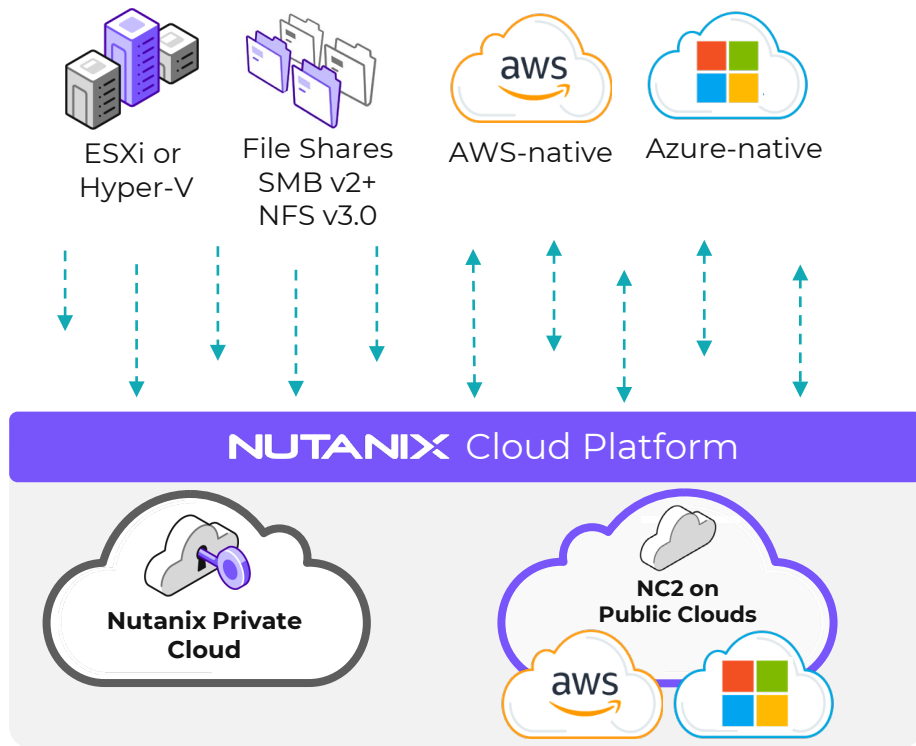
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End

Migration Planning

- Engage Stakeholders
- Requirements Gathering
- Create Project Design
- Document Test Plans
- Finalize Sizing
- Engage Project /Change Mgmt.

Workload Rehosting with Move



Simplify Operations

- Individual or multiple migrations per plan
- 1-click migration cut-over
- Flexible source infrastructure

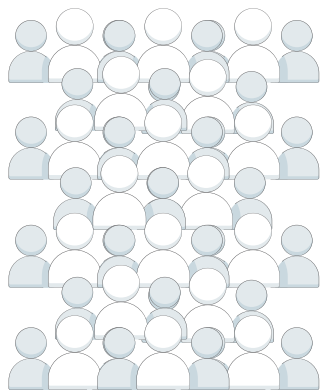
1-click Migrations

- Migrate via UI or APIs
- No application refactoring/rearchitecting
- Easily map source-target networks

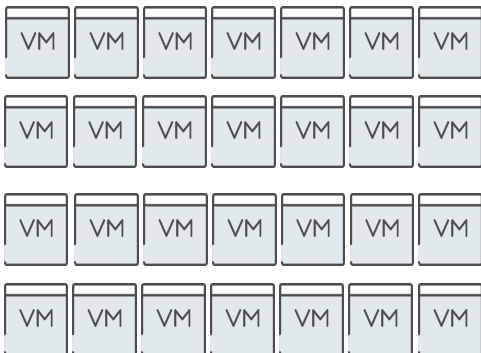
Minimize Downtime

- Pre-seed data days or weeks ahead of time
- Pre-cutover workload testing
- Fast workload cutovers

Move Customer Adoption



1,000s of Customers



500,000+ VM Migrations

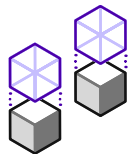


Nutanix Cloud Platform
Acropolis Hypervisor



7+ years since launch

Application-Centric Migration: Move Data Without Moving VMs or the OS

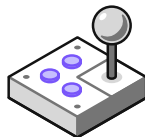


Microsoft Exchange

Follow Microsoft best practices

Migrate by installing newer versions of Exchange Server in parallel with existing production environments

Migrate the user mailboxes from the old system to the new one

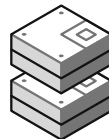


Domain Controllers

Follow Microsoft best practices

Prepare a new domain controller

Migrate the Flexible Single Master Operations (FSMO) roles to the newly deployed domain controller



Database Servers

Follow best practice with a newly deployed virtual server instance

Ensure the current database server has a full backup completed prior to migration

Migrate the data from current database to new virtual server instance using preferred migration method



File Shares

Use a tool like Robocopy to migrate data between a source and a target

If using Microsoft Distributed File System (DFS): Add new servers to a DFS namespace and use them to host new copies of DFS replicas

Common Asks and Risks



Migration Velocity

- How quickly can I migrate my environment?
- Can I readily change the number of workloads for migration?
- How can I reduce my legacy licensing cost?

Migration Methodology

- How painful will it be to move my workloads?
- Can I use my existing hardware?
- Are there any new best practices I should follow?
- Do you work with my existing hardware appliances?



Supportability

- Will all my apps run on this new platform?
- Will I lose any capabilities I have today?
- How can I guarantee performance?

Business Continuity

- Will my existing backup solution support the new platform?
- How can I roll back in case of an emergency?

Client Case

Gaznat

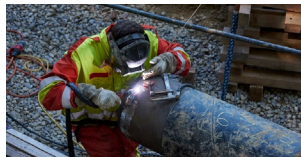
EXPERT DU GAZ NATUREL ET DES GAZ RENOUVELABLES AU SERVICE D'UNE SUISSE DURABLE ET SÉCURISÉE

gaz
nat



Depuis
1968

Entretien & exploitation du
réseau de gaz haute pression
en suisse occidentale



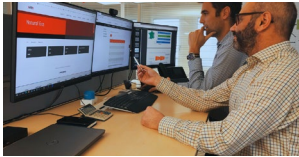
9 sociétés
actionnaires

Transport & stockage
de gaz naturel
et de gaz renouvelables



CHF 1,3 Mds
CA

Achat-vente
de gaz naturel
et de gaz renouvelables



16 métiers
différents

Recherche & développement
power-to-gas, stockage,
et capture du carbone



64
personnes

Défense des intérêts
des partenaires et
promotion de la filière gazière



→ RÉSULTATS RÉSEAU ANNÉE 2024

10'572 GWh de gaz transporté
3'299 MW de pointe puissance
0 incidents



600 kms de gazoducs
64 postes de livraison
80 bars de pression dans le réseau

→ RÉSULTATS NÉGOCE ANNÉE 2024

9'250 GWh de gaz vendu
29,4% de la consommation suisse
5 contrats d'importation de biométhane



Plateforme de démonstration de solutions innovantes,
en exploitation concrète dans un milieu industriel



Trois appels à projets seront effectués
durant les 7 prochaines années pour CHF 5 Mio

STOCKAGE
LRC

Projet de stockage de gaz en cavités rocheuses en
Haut-Valais pour sécuriser jusqu'à 1,5 TWh d'énergie



gaz
nat

Drive It Like You Own **IT**

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Sondage de satisfaction
Merci de votre feedback



Scannez-moi