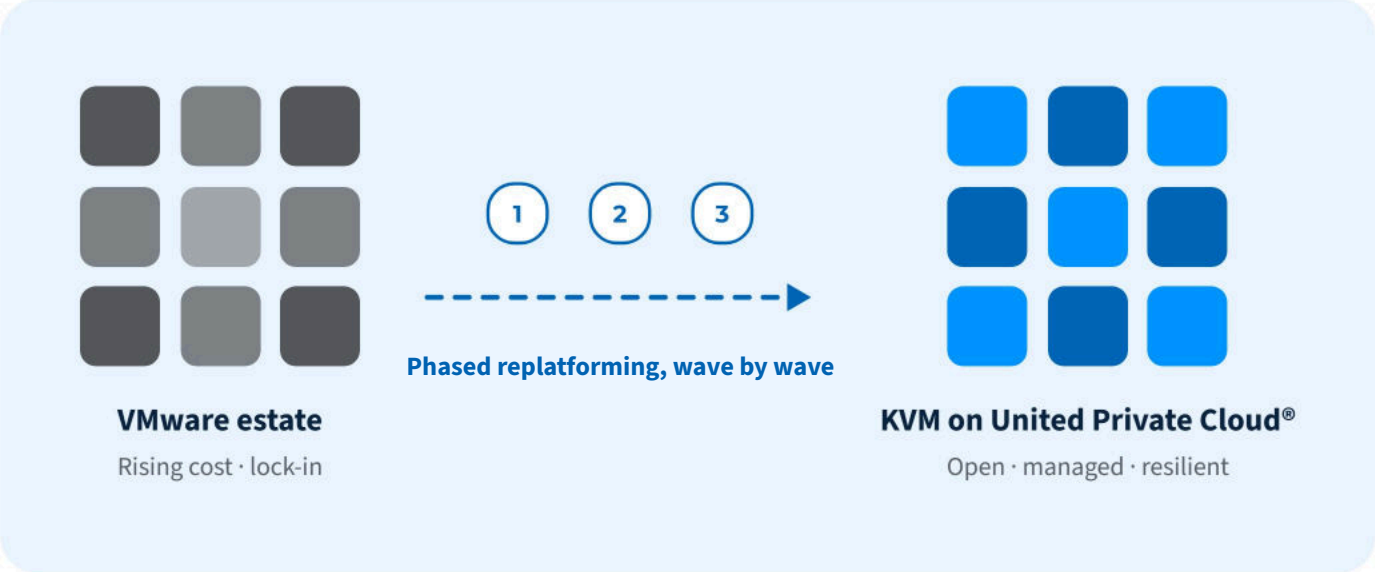
UNITEDLAYER®

SOLUTION BROCHURE



OPEN VIRTUALIZATION STRATEGY

VMware Replatforming to KVM

Replatform your VMware estate onto open, enterprise-grade KVM — fully managed on a dedicated, single-tenant United Private Cloud®.

Open
Linux-native KVM, no hypervisor lock-in

99.999%
Enterprise-grade availability

Fully managed
From assessment to day-two operations

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01 — WHY KVM

Open virtualization has come of age

VMware's shift to subscription bundles has pushed enterprises to rethink their hypervisor. KVM — the Kernel-based Virtual Machine built into Linux — has emerged as one of the strongest alternatives for organizations that want more freedom and lower long-term cost.

No hypervisor lock-in

KVM is open source. It avoids the rigid licensing and bundling that have frustrated many VMware customers.

Linux-native performance

Built directly into the Linux kernel, KVM delivers strong performance and broad compatibility with guest operating systems.

Secure isolation

Efficient resource allocation and isolation let many VMs run securely and independently on a single host.

Your choice of stack

Pick your own management, storage and orchestration layers instead of accepting one vendor's roadmap.

On its own, KVM is powerful. The real value comes when it is paired with the right platform and the right migration approach.

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VMware replatforming, landed on managed KVM

UPC turns open-source KVM into a fully managed, single-tenant private cloud — with the availability, security and operations enterprises expect.

KVM alongside every platform

UPC IaaS runs KVM next to VMware, Hyper-V, OpenStack and bare metal — so each workload lands where it fits.

99.999% availability

Enterprise-grade uptime from Tier 3+ data centers across 30+ private cloud regions.

24/7 managed operations

UPC experts handle patching, monitoring, backup and support, so your team can focus on applications.

Dedicated self-service

Business units, virtual data centers, catalogs and quotas give your teams on-demand VMs with guardrails.

Software-defined networking

Isolated private networks, edge gateways, firewalls and load balancers, provisioned in minutes.

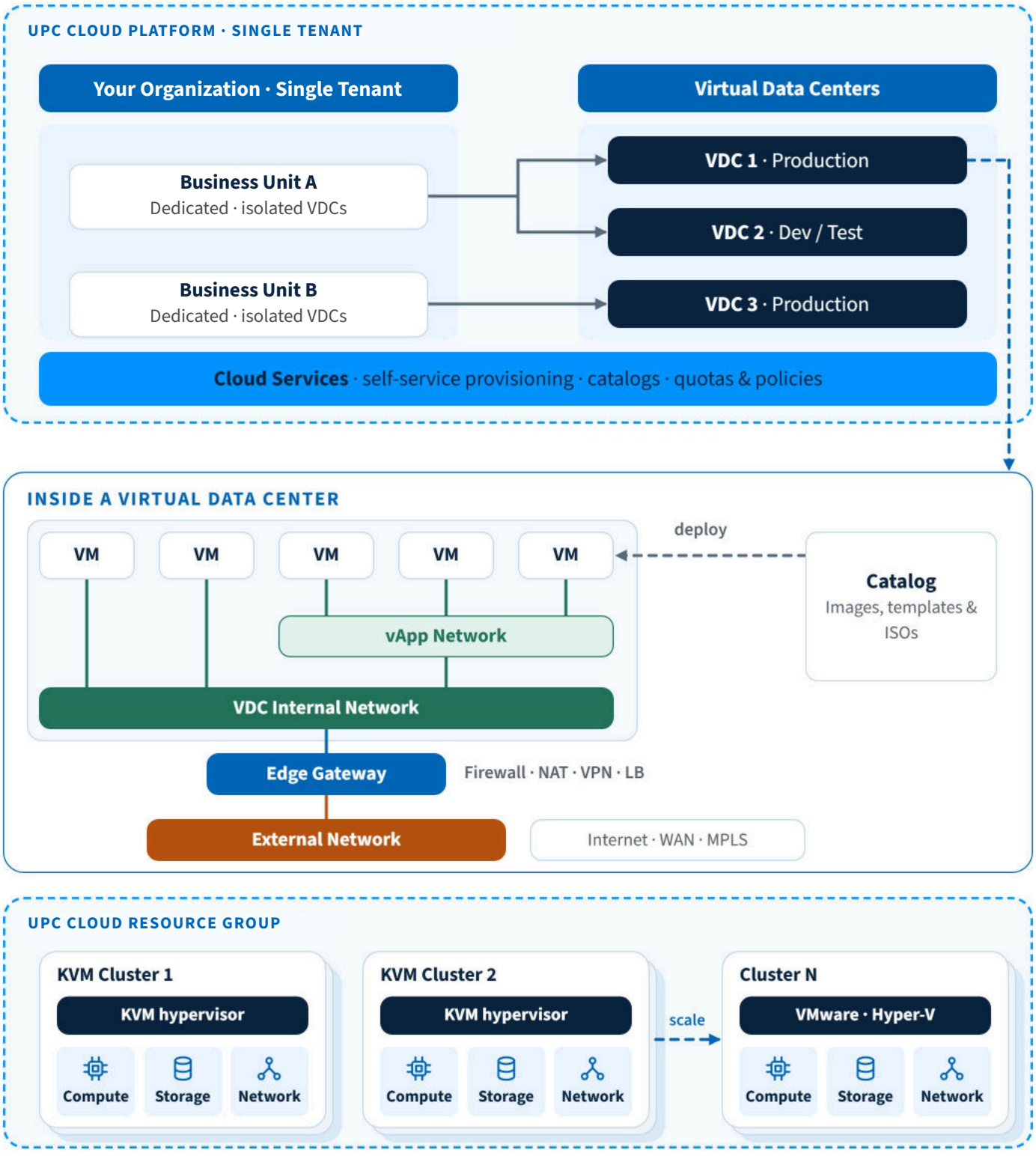
Real-time monitoring

Built-in observability and automation across compute, storage and network.

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Single-tenant KVM on United Private Cloud®

A dedicated private cloud for your organization alone. Business units run in isolated virtual data centers on KVM clusters reserved exclusively for you, with other hypervisors alongside.



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From VMware to KVM, one wave at a time

No big-bang cutover. UPC runs KVM and VMware side by side on the same platform, so you move at the pace your business can absorb.

01

Assess

Inventory your VMware hosts, VMs, dependencies and licenses to set a true baseline.

Outcome: Footprint and dependency map

02

Plan waves

Rank workloads by risk and readiness; decide what moves to KVM, what modernizes and what stays.

Outcome: Risk-ranked migration waves

03

Convert and validate

Convert VMs to KVM format, update guest drivers and test each application in a staging VDC.

Outcome: Validated KVM images

04

Cut over in phases

Move wave by wave with rollback plans, keeping the business running throughout.

Outcome: Cutover runbook per wave

05

Operate and optimize

Right-size resources and run day-two operations with 24/7 managed support.

Outcome: Ongoing optimization review

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05 — WHERE KVM FITS

Built for the workloads that run your business

WORKLOAD	WHY KVM ON UPC
Linux application estates	Native performance with no per-core hypervisor licensing
Web, API and middleware tiers	Fast self-service provisioning and horizontal scale
Dev / test environments	Isolated VDCs spun up from catalog templates in minutes
Databases and analytics	All-flash storage and high-speed network fabric
Regulated workloads	Dedicated, sovereign infrastructure with compliance controls
Disaster recovery targets	Cost-efficient standby capacity with UPC DRaaS

CUSTOMER STORY

Mission-critical private cloud, production to DR

A customer with strict regulatory requirements needed a high-performance, scalable and compliant cloud for mission-critical workloads. UPC deployed a private cloud with production in San Francisco and disaster recovery in Las Vegas — delivering low-latency performance and seamless failover.

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Where replatforming pays off first

Most UPC customers start where VMware cost and risk are highest. These are the most common starting points.

VMware renewal deadline

A renewal date or new bundle pricing forces a decision. Replatform the highest-cost clusters first and right-size the rest.

Outcome: Lower licensing exposure

Data center exit

Retire aging on-prem hardware and land workloads on dedicated KVM in Tier 3+ UPC data centers.

Outcome: One managed platform

Regulated workloads

Dedicated single-tenant infrastructure with data residency controls and zero-trust security.

Outcome: Compliance-ready cloud

Disaster recovery

Use dedicated KVM capacity as a cost-efficient DR target, protected by UPC DRaaS and UPC Cyber vault.

Outcome: Tested, always-ready failover

Dev / test acceleration

Spin up isolated VDCs from catalog templates in minutes, without per-core hypervisor licensing.

Outcome: Faster release cycles

Hybrid cloud foundation

Link KVM to AWS, Azure and Google Cloud with UnitedConnect®, then modernize into UPC Container Cloud.

Outcome: Open path to modernization

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Open technology. Enterprise accountability.

Open-source KVM gives you freedom. UPC gives you the platform, the people and the service levels to run it with confidence.

99.999%

Availability on United Private Cloud®

30+

Private cloud regions from Tier 3+ data centers

4 years

Consecutive ISG Leader, Private/Hybrid Cloud – Data Center Services

Extend KVM with the full UPC portfolio

UPC DRaaS
Disaster recovery that is always ready

UPC Cyber vault
Immutable, isolated copies of critical data

UnitedSecure™
Zero-trust security and compliance

UPC Sovereign Cloud
Data residency and regulatory control

UnitedConnect®
Private links to AWS, Azure and Google Cloud

UPC Container Cloud
Kubernetes when apps are ready to modernize

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Mission-critical private cloud, production to DR

How a customer with strict regulatory requirements moved its most critical workloads onto a dedicated, fully managed UPC private cloud.

INDUSTRY	PRODUCTION	DISASTER RECOVERY	PLATFORM
Regulated enterprise	**San Francisco**	**Las Vegas**	**United Private Cloud®**

The challenge

The customer needed a high-performance, scalable and compliant cloud for mission-critical workloads, with no room for downtime.

The solution

UPC deployed a dedicated private cloud: production in San Francisco, disaster recovery in Las Vegas, run by UPC experts 24/7.

The results

Low-latency performance for production, seamless failover between sites, and a compliant platform that scales with the business.

THE SAME BLUEPRINT FOR YOUR VMWARE REPLATFORMING

Dedicated KVM in production, DR ready from day one

01 Assess
Map VMware hosts, VMs and dependencies

02 Plan waves
Rank workloads by risk and readiness

03 Validate
Convert and test in a staging VDC

04 Cut over
Move wave by wave, with DR in place

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09 — CONTACT US

Ready to run KVM without compromise?

Talk to our team about your workloads, your timeline and how KVM on United Private Cloud® can fit.

CALL

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