

HYPERVISOR HEADACHES?

Let Vcinity and QuantumIQ help

Making the Switch?

The recent acquisition of a major hypervisor provider reshaped the virtualization landscape, forcing enterprises to rethink their long-term strategies. Licensing shifts, evolving infrastructure requirements, and unexpected product bundling changes have left many organizations wondering: Is our current hypervisor still the right fit? Switching platforms could offer cost savings, flexibility, and better future support—but the path is far from simple.

Transitioning from one hypervisor to another isn't just a routine upgrade—it's a complex, high-stakes endeavor. Migrating hundreds, thousands, or even tens of thousands of virtual machines requires meticulous planning, infrastructure adjustments, and new hardware and software investments. Organizations must also ensure seamless workload continuity, as unplanned downtime or performance issues can lead to operational disruptions and financial losses. Industry estimates suggest that large-scale hypervisor migrations can take anywhere from 18 months to four years, with costs exceeding \$6 million—before even factoring in the specialized expertise needed to execute the move.

Streamlining the Transition

Despite these challenges, enterprises can successfully transition to a new hypervisor with the right approach. Implementing the Vcinity QuantumIQ software-defined migration solution can accelerate the transition, minimize risks in multiple ways, and remove technical bottlenecks—enabling fast, seamless and efficient movement of virtual machine workloads. With continuous data availability and minimizing downtime, organizations can accelerate migration timelines while maintaining business continuity.

Careful planning and the right technologies allow enterprises to mitigate risks, control costs, accelerate timelines, and ensure a smooth transition to a new hypervisor. With the right strategy, enterprises can optimize their virtual environment, better align with evolving business needs, and capitalize on their IT investments.

With QIQ, you can expect:

- 1 Faster completion of migration timelines**
Exponentially expedite the conversion from any hypervisor to any hypervisor across hybrid environments
- 2 Optimized IT spend**
Unshackle yourself from unnecessarily costly annual renewals—while also eliminating duplicate server expenditures
- 3 Safeguard data integrity**
Move data securely with no manipulation and protection in-flight
- 4 Operational stability**
Maintain operational continuity with minimal disruption to mission-critical workflows... and without the need to manage additional staff and infrastructure during transition periods
- 5 Seamless Integration**
Avoid costly rip-and-replace upgrades and integrate seamlessly into your existing environment, using existing infrastructure

How accelerated data transfer equates to savings

Vcinity provides a linearly scalable solution to support data movement of any size. Let's look at a sample larger VM migration, although similar relative savings would also be achieved based on the number of VM's:

Sample Enterprise Migration:

5,000 VM's
x 50GB per VM

≈ **18-24 months to complete**

Acceleration with Vcinity:

5,000 VM's
x 50GB per VM

≈ **30-45 days to complete**

Savings with Vcinity:

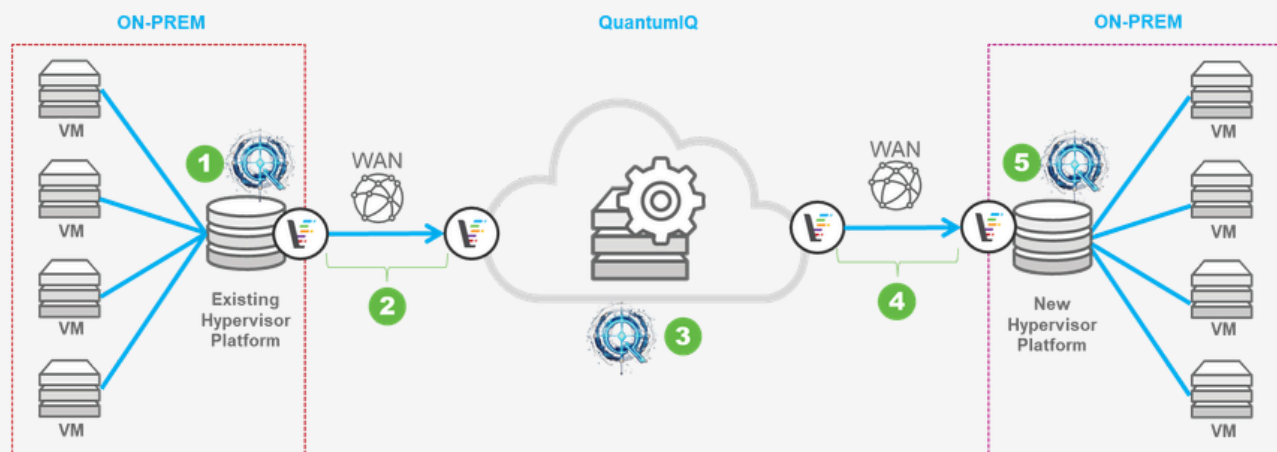
Migration time savings:

95% of time saved

For smaller migrations, this could mean migrating in a single maintenance window instead of days or weeks!

How Vcinity maximizes network efficiencies

Vcinity partners with Quantum IQ, powered by Palantir, to streamline virtual machine (VM) migrations by combining Vcinity's highly-efficient data access software with Quantum IQ's AI driven orchestration/ VM conversion software. Vcinity securely accelerates the movement of the VM's and data, while Quantum IQ leverages Palantir's Foundry platform to automate and optimize migration workflows. This integration ensures real-time data availability and seamless transitions across on-premises, cloud, and hybrid setups, reducing downtime and complexity. Together, they enhance efficiency, scalability, and performance for enterprise migrations.



The above figure illustrates a logical flow of the Vcinity and QIQ process, leveraging customized migration workflows and parallel execution for efficiency. (1) QIQ orchestrates the export on the existing hypervisor data files, (2) using Vcinity as an automated and scalable pipeline to move files to QuantumIQ, where (3) QIQ orchestrates creation of multiple compute nodes for parallel conversions to the new hypervisor of choice. (4) From there, Vcinity moves the new data files back to the on-prem location, and (5), QIQ orchestrates the deployment into the new hypervisor hosts.

No time to waste? Let's go!

Contact us at quantumiq.io/contact to get started.