VergeFabric

## Advanced L2 and L3 Networking Integrated Into VergeOS

Fast Facts: VergeFabric

1. **Eliminate SDN Licensing Costs** – VergeFabric is fully integrated into VergeOS at no additional charge, eliminating per-core and per-port SDN licensing fees.

2. **Replace Proprietary Networking Appliances** – Remove the need for standalone routers, firewalls, and VPN devices by consolidating network functions into VergeFabric.

3. **Simplify Multi-Site Connectivity** – Enable seamless, software-defined interconnectivity between remote locations without complex SD-WAN solutions.

4. **Enhance Security and Segmentation** – Implement VM-level and Virtual Data Center (VDC)-level security policies without relying on VLANs or external firewalls.

5. **No Dedicated SDN Hardware or VMs Required** – Unlike standalone SDN solutions, VergeFabric does not consume extra CPU or memory resources, reducing hardware costs and improving performance.

Rethink Your Approach to Networking

Don't let your infrastructure savings stop at replacing the hypervisor—extend your cost reductions to networking with VergeFabric. Traditional networking solutions, like VMware NSX, add unnecessary complexity and licensing costs, making SDN adoption difficult for many organizations. VergeFabric, integrated directly into VergeOS, eliminates SDN licensing fees, dedicated controller VMs, and vendor lock-in, allowing IT teams to reduce costs and simplify network management without sacrificing performance or security.
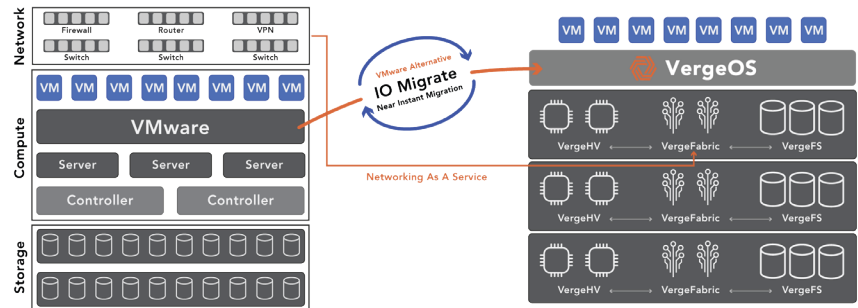
Why VergeFabric?

Traditional SDN solutions require expensive per-core licensing, additional virtual machines, and complex configurations. VergeFabric removes these obstacles by directly integrating advanced networking capabilities into VergeOS, allowing IT teams to modernize their infrastructure without additional software costs or hardware overhead.

With VergeFabric, organizations can:

- **Eliminate SDN licensing fees** and avoid vendor lock-in.
- **Reduce infrastructure complexity** with centralized, software-defined automation.
- **Enhance security with VM and VDC-level segmentation** without VLAN sprawl.
- **Enable seamless multi-site connectivity** without complex VPN configurations.
- **Improve disaster recovery readiness** with built-in network automation and failover capabilities.

Virtual Data Centers (VDCs): Network Segmentation & Multi-Tenancy

VergeFabric works seamlessly with Virtual Data Centers (VDCs), an integral feature of VergeOS that abstracts an entire data center—just as virtual machines abstract physical servers. This enables organizations to:

- **Segment workloads** to ensure **secure multi-tenancy** for different teams, business units, or customers.
- **Create isolated network environments** within a single physical infrastructure, reducing the risk of unauthorized cross-communication.
- **Assign dedicated network resources** to specific VDCs, ensuring predictable performance and eliminating noisy neighbor issues.
- **Enhance security** by enforcing **VDC-level segmentation**, where each VDC can have its own firewall rules, routing policies, and access controls.
- **Simplify disaster recovery** by replicating entire **VDC environments**, including all networking configurations, for **fast failover and restoration.**
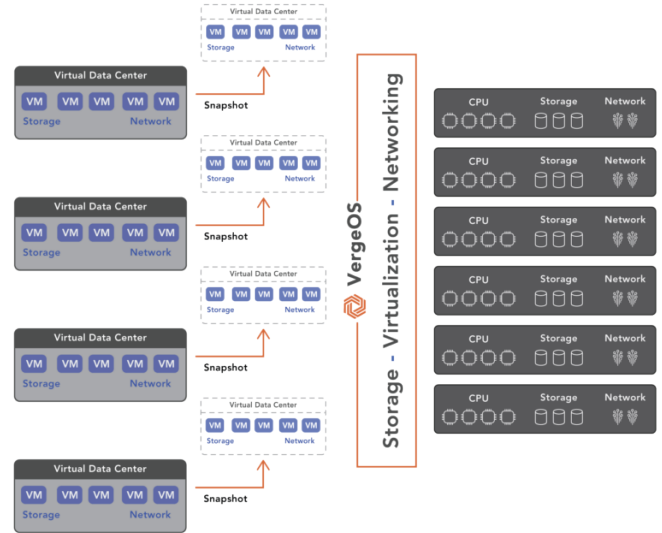
With VergeFabric and VDCs, IT teams gain unparalleled control over workload isolation, network automation, and security enforcement, all without additional licensing fees or complex configurations.

Integrated SDN Without the Cost or Complexity

Unlike standalone SDN solutions, VergeFabric is fully embedded in VergeOS, meaning:

- **No dedicated SDN VMs** consuming CPU and memory resources.
- **No additional licensing fees**— included at no extra cost with VergeOS.
- **No complicated third-party integrations**— fully native and easy to manage.
- **No expensive proprietary hardware required**—works with commodity network switches.
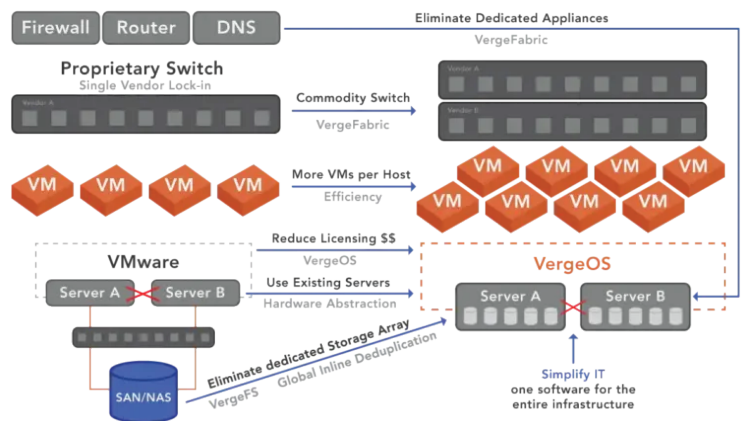
VergeFabric in Action

VergeFabric enables organizations to deploy multi-tenant Virtual Data Centers (VDCs), enforce network segmentation and security policies at the VM level, and manage multi-site connectivity with minimal effort. Whether you're running a small data center or a large enterprise environment, VergeFabric ensures scalability, efficiency, and cost savings while simplifying network operations.

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