One Piece of Software

Create nested, multi-tenant virtual data centers in mouse-clicks from liquified storage, RAM, CPU and network resources of commodity x86 servers.
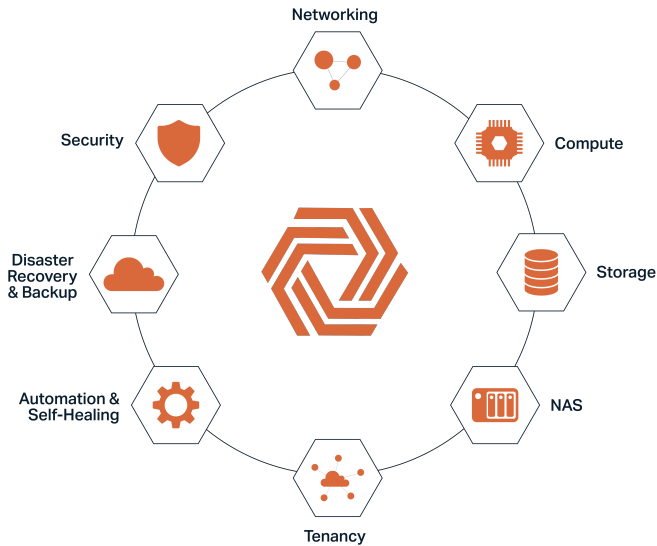
One Dashboard. One API. One Patch. Zero Integration.

- Replace 10 licenses and vendors with 1
- Easily scalable, just add servers
- Increase agility, create virtual data centers in seconds
- Predictable, controllable, transparent spend

- Extend the life of your hardware
- Standardize compliance with recipes
- Reduce costs by up to 2/3rd
- All the benefits of Simplifying IT

Global Data Deduplication

- Inline, block-level deduplication built into the filesystem
- Data encrypted at rest and in transit
- Dramatically reduces hardware
- Snapshot 100s of TBs of data in seconds
- WAN optimized deduplicated replication
- Asynchronous data replication for DR and Business Continuity

Data Center Encapsulation

- Storage, network, compute and RAM are abstracted into a single encapsulated Virtual Data Center (VDC)
- Public and Private Networking can be assigned and isolated to individual VDCs
- Each VDC is its own instance of the operating system and stands alone with no dependencies

Nested Multi-Tenant

- Allocate CPU, storage, RAM, and network resources to sub-tenants in real time
- Custom sub-tenant branding, Great for white-label resellers
- Use sub-tenants to segment workloads for compliance, chargeback, and secure enclaves

Automation Recipes

- Automate any function in Verge.io with recipes and APIs
- Use recipes to create sub-tenants and VM templates according to standardized compliance

Take a FREE Test Drive

There's nothing like seeing it to believe it.

https://verge.io/test-drive

Multi-Tenant Virtual Data Centers

Only Verge.io allows you to create sub-tenant virtual data centers.

Within the core VDC, the virtualized pooled resources can be provisioned to create self-contained, sub-tenant VDCs – each its own secure enclave.

Use tenancy to segment infrastructure by compliance needs, or by customer, reseller, researcher or business unit.
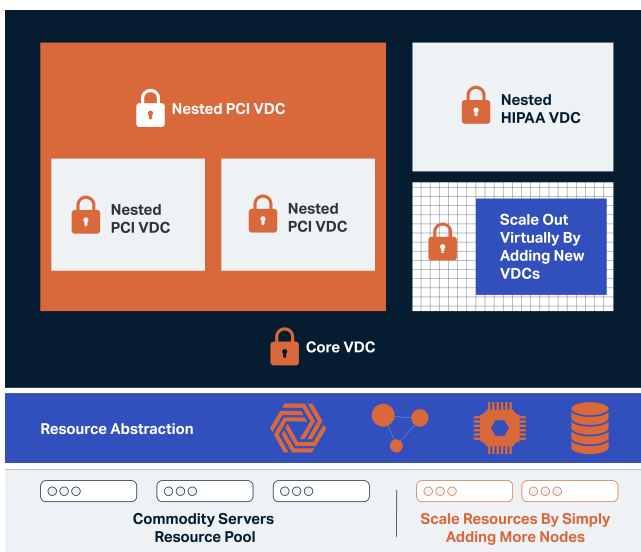
Easy to Buy

Verge.io is licensed by the RAM and Storage used by your workloads.

Consumption – Pay monthly for the RAM and Storage consumed by your workloads. Ideal for growing or nonpersistent workloads.

Capacity – Pay annually up front for the RAM and Storage capacity your workloads can consume. Ideal for large and persistent workloads.

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General System Features

- Multi-tenant/cluster/site platform
- Create multiple virtual data centers
- Intuitive web-based dashboard
- Recipe based automation
- Monitoring, managing and alerting
- Statistics & accounting
- Rest-like API

Storage

- Scale out vSAN
- No 3rd party software required
- Global inline deduplication
- Corruption detection & correction
- Dedupe-aware data replication
- Automated health scanning
- Multi-Tiered Storage Levels
- Live maintenance software updates
- 256 Bit Encryption

Compute

- Built-in hypervisor (QEMU/KVM)
- Intel / AMD CPU support
- Linux and Windows Guest Support
- Live VM migration – zero downtime
- Web-based machine management
- Web-based VM Guest console
- GPU and vGPU pass through
- Bare metal-like performance
- Automated VM snapshot & retention

Network

- Built-in web-based firewall
- IPsec and WireGuard VPN
- External/Internal network
- NAT/PAT rules engine
- Packet rate throttling
- Real-time and historical metrics
- BGP; OSPF; vLAN; vXLAN
- DHCP/DNS server
- IP address management
- Authoritative DNS

Verge OS

- Automatic non-disruptive updates
- Secure OS Firmware
- Automated install supports PXE
- Linux based kernel