

# Modern Infrastructure for K-12 and Municipalities

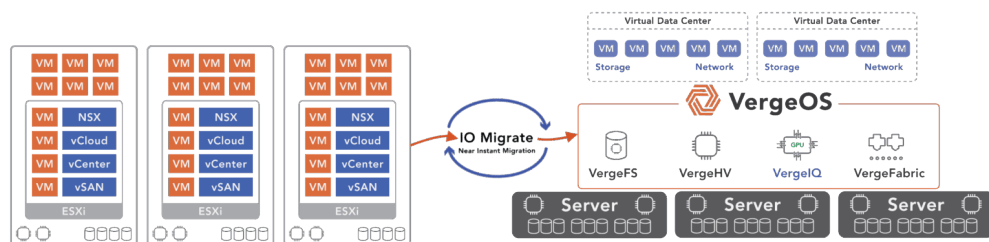
Consolidate, Simplify, and Secure Your IT Environment with VergeOS



## Public Sector IT Needs a New Approach

K-12 school districts and municipalities are being asked to do more with less. Aging infrastructure, shrinking budgets, reduced staffing, and growing demands—from cybersecurity to AI readiness—are stretching IT teams to the limit. Traditional architectures built on VMware, SANs, and third-party backup systems are too costly, too complex, and no longer sustainable.

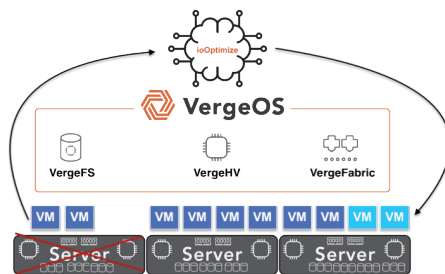
**VergeOS delivers a better way forward:** By converging virtualization, storage, networking, backup, and disaster recovery into a single data center operating system, VergeOS enables public sector organizations to reduce costs, extend hardware life, and simplify operations—all without sacrificing performance or resilience.



## Maximize the Value of Existing Infrastructure

For many public sector IT teams, budget cycles are fixed while infrastructure needs continue to grow. Being forced into hardware refreshes—mainly due to licensing changes or shifting vendor requirements—places unnecessary strain on already tight capital budgets. Most school districts and municipalities can't afford to rip and replace functioning hardware every 3–5 years.

**VergeOS Breathes New Life Into Existing Servers:** VergeOS decouples infrastructure software from hardware refresh cycles. It installs directly on existing x86 servers. VergeOS' built-in high availability ensures continuous operation, even on aging hardware, while its unified operating system improves performance.



*With VergeOS, we added a few SSDs to our existing servers and extended their life while reducing licensing and storage costs.*

— Brian Bazzell, IT Director, City of Saint Peters

## Too Much Infrastructure, Too Few People

K-12 and Municipality IT teams manage complex environments with minimal staff. This small team is responsible for maintaining uptime, security, and services across all departments. Fragmented systems spanning hypervisors, SANs, and backup tools make operations harder. Simplifying infrastructure is critical for sustainability, resiliency, and scaling with small teams.

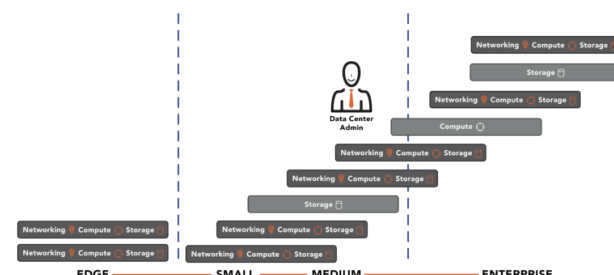
## FAST FACTS

- **Run on Existing Hardware**  
VergeOS installs directly on standard x86 servers—even aging systems—extending hardware life and delaying costly refreshes.
- **All-in-One Platform**  
Combines virtualization, storage, networking, AI, backup, and DR into a single, software-defined operating system with a unified interface.
- **Designed for Small Teams**  
Simplifies day-to-day operations with one interface—no need for multiple consoles or specialized roles.
- **Built-In Data Protection**  
Eliminates the need for separate backup software and hardware with integrated snapshots, replication, and real-time recovery.
- **Flat, Predictable Licensing**  
Per-server pricing includes all features—no extra costs for DR, replication, or deduplication.
- **Integrated AI with VergeIQ**  
Supports private AI workloads like RAG and virtual agents without requiring Kubernetes or external orchestration tools.

**VergeOS Simplifies Infrastructure Operations:** VergeOS helps small IT teams by collapsing the entire infrastructure stack—virtualization, storage, networking, backup, and disaster recovery—into a single, software-defined platform. With a single interface and a unified set of tools, administrators can manage everything without needing to juggle multiple consoles or rely on specialized roles.

*VergeIO is so good at handling things behind the scenes that we can focus on new solutions.*

— Tim Johnson, Senior Systems Administrator, Lancaster CSD



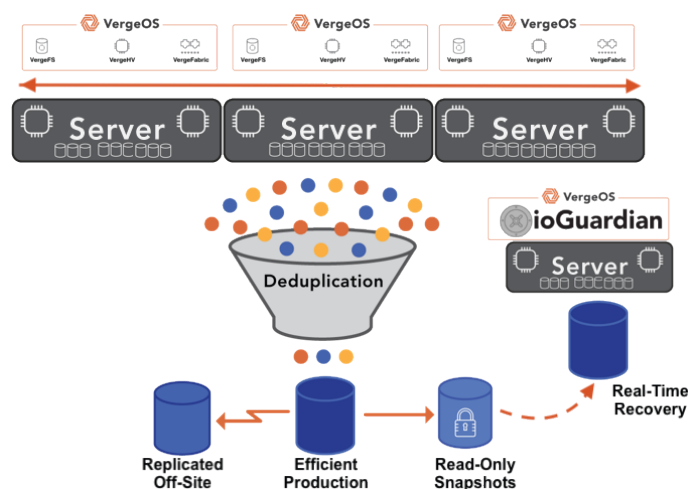
## Rethinking Backup's Role in the Infrastructure

Many public sector organizations discover that their backup infrastructure is just as costly and complex as their hypervisor layer. With rising licensing fees, siloed storage, and slow recovery processes, traditional backup platforms can no longer justify their footprint or cost. A VMware transition presents the perfect opportunity to ask whether backup software and dedicated hardware are still necessary.

**VergeOS Can Reduce Backup Dependency:** VergeOS eliminates the need for separate backup software and hardware by integrating data protection directly into the platform. Snapshots with ioClone are fast, frequent, and space-efficient, while ioGuardian delivers missing data in real-time without manual restores. This integrated approach improves recovery times, reduces complexity, and eliminates the costs associated with backup licensing and infrastructure.

*ioGuardian was seamless. If it weren't for the alerting system, we wouldn't even know there was a failure.*

— James Marsack, Senior Network Engineer, St. Clair County RESA



## Reduce Infrastructure Costs

Unlike commercial organizations, schools and municipalities often depend on fixed annual funding or voter-approved bonds—making cost predictability essential. Rising licensing fees, forced hardware refreshes, and the need for separate systems for virtualization, storage, and backup have inflated infrastructure costs beyond what many public agencies can sustain. Reducing infrastructure costs isn't just a goal—it's a requirement.

**VergeOS Reduces Infrastructure Costs:** VergeOS reduces infrastructure costs by consolidating virtualization, storage, backup, and disaster recovery into a single platform that runs on standard x86 servers and commodity SSDs—no proprietary hardware required. Its flat, per-server license includes all features, with no extra fees for snapshots, replication, or DR. By eliminating the need for separate backup software and hardware, VergeOS helps public sector IT teams lower both capital and operational expenses while simplifying their environment.

*Lancaster CSD cut \$150,000/year in licensing and maintenance costs.*

### Reduce Total Cost of Ownership (TCO) by 80% with VergeIO

