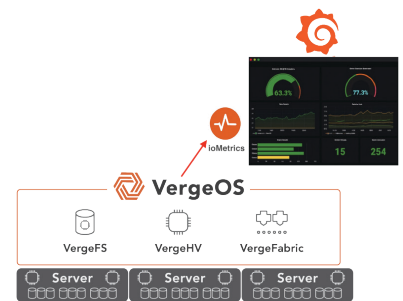# verge.io

VergeOS for Infrastructure Management Platforms

Fast Facts:

- **Simplified Observability:** Native Prometheus exporter (ioMetrics) provides detailed, real-time telemetry for VergeOS environments.

- **Infrastructure-as-Code Automation:** Terraform provider simplifies deployment, management, and scaling of Virtual Data Centers (VDCs) and resources.

- **Proactive Performance Monitoring:** Instant visibility into VM, node, and cluster health via Grafana dashboards.

- **Simplified Multi-Tenancy:** Securely manage multiple tenants with policy-driven automation and performance insights.

- **Streamlined Operations:** Unified virtualization, storage, and networking with built-in observability and automation reduce complexity and accelerate deployment.

Observability + Automation for Virtual Data Center Operation

For organizations building or running infrastructure management platforms — whether for internal teams, service delivery, or multi-tenant environments — VergeIO provides the tools to streamline operations and scale efficiently. With VergeOS ioMetrics and the VergeIO Terraform Provider, you gain deep performance visibility and full lifecycle automation across your VergeOS environment.
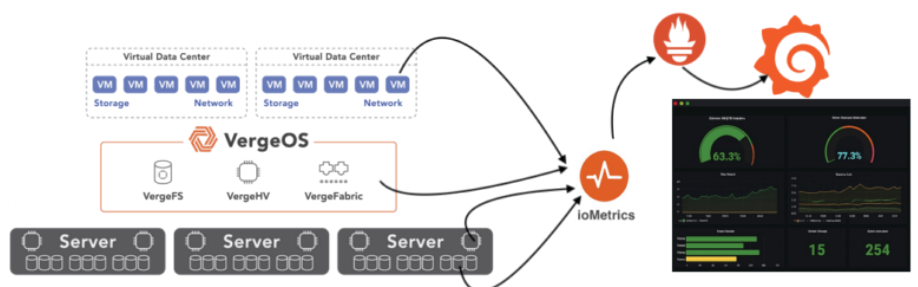

Real-Time Telemetry with ioMetrics

ioMetrics is a native Prometheus exporter designed specifically for VergeOS. It delivers detailed, real-time metrics for compute, storage, and virtual machine operations — ready to integrate into Grafana or any Prometheus-based observability pipeline.

Key Capabilities:

- Prometheus-compatible metrics collection
- Grafana dashboards for VM, node, and cluster visibility
- Performance monitoring for IOPS, latency, throughput, CPU, and RAM
- Supports proactive diagnostics and capacity planning
- Enables SLA monitoring across VDCs and tenants

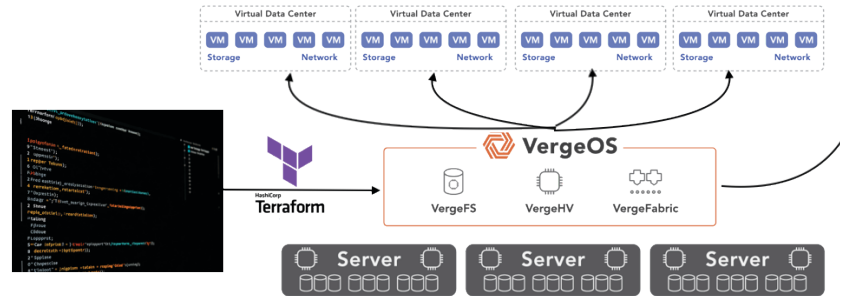ioMetrics transforms VergeOS into an observability-first platform — no third-party agents required.

Infrastructure as Code

The VergeIO Terraform Provider brings infrastructure-as-code to virtual data center operations. Whether you're deploying tenant environments, automating Dev/Test labs, or managing production systems, you can define and control it all in code.

- Provision and configure Virtual Data Centers (VDCs)

- Deploy and destroy VMs, networks, and templates

- Integrate into CI/CD pipelines and automation platforms

- Standardize configurations and reduce manual work

- Accelerate time-to-service across multiple environments

Built for Infrastructure Platforms That Scale

The VergeIO Terraform Provider brings infrastructure-as-code to virtual data center operations. Whether you're deploying tenant environments, automating Dev/Test labs, or managing production systems, you can define and control it all in code.

- Real-time insights into infrastructure health and usage

- Automation for consistent, repeatable environment deployment

- Simplified operations for multi-tenant and internal platforms

- Lower operational overhead and fewer integration points

- Accelerated innovation and delivery cycles

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