



Read more:

Why Volumez:

Composable:

- In composable infrastructure, storage, networking, and compute resources are abstracted from their physical locations and provided dynamically to applications.
- Volumez profiles the performance and capabilities of each infrastructure component and uses this information to compose direct Linux data paths between media and applications.
- Once the composing work is done, there is no need for the control plane to be in the way between applications and their data. This enables applications to get enterprise-grade logical volumes, with extreme guaranteed performance, and enterprise-grade services that are built on top of Linux – such as snapshots, thin provisioning, erasure coding, and more.

Declarative:

- Volumez allows data services to be provisioned with code by simply specifying the IOPS, latency, and resilience desired for an application. Unlike traditional software-defined storage that requires developers and platform engineers to translate application requirements into concepts like media types, RAID, erasure codes, multipathing, and replication.
- Tell Volumez what the application needs with a few lines of YAML, JSON or GUI clicks. Volumez then composes a dedicated data path in your environment that connects the application directly to raw media and performs exactly as requested, all the time. It really is that simple.

Extreme Performance:

- Consistent high performance and low latency I/O is a challenge, especially on Kubernetes in the public cloud. Volumez supports 2 million 4K random read/write IOPS per volume at sub-400 microsecond latency on volumes of any size and on every cloud platform supported.
- We often hear phrases like “astonished” and “unreal” when customers report back after testing our technology. Volumez is a great fit for applications with extremely low latency requirements, where speed directly translates to customer experience.

Observable:

- Volumez provides full observability, including extensive performance metrics and logging, making life easier for cloud engineering teams who do not have to build and maintain custom tooling.
- The Volumez control plane continuously monitors every component of the infrastructure, allowing for deep inspection of historical performance, either using Volumez web interface or via API.

Built with Linux:

- Over the years, Linux has become the tech industry’s default operating system. Its storage stack is reliable, feature-rich, and delivers astonishing performance when configured with precision.
- The end of storage vendor lock-in because 100% of your data plane is the same Linux kernel that is running every day on millions of servers around the world.
- Volumez does not use a proprietary data plane - we are on a mission to make Linux the tech industry’s default storage stack.