atlas

COMPREHENSIVE

The Enterprise Flagship Bundle from M&E's Composable Software-Defined Storage Platform

Creative workflows have changed over the years. Not only have they grown more complicated; the technologies that drive them have also increased in complexity. This makes sense considering the heightened focus on media content across entertainment, advertising, and experiential and all the ways data consumption has multiplied.

To keep up with these evolving workflows, enterprises often have to stitch together disjointed, ineffective data storage strategies without shifting focus away from other business-critical projects. However, instead of streamlining operations, this approach becomes a business constraint, forcing teams to find more workarounds to solve productivity slowdowns and hampered asset accessibility. OpenDrives' softwaredefined storage platform, Atlas, is here to change all that. Thanks to Atlas' composable architecture, we're able to offer Atlas Comprehensive, our flagship feature bundle that represents the perfect balance between performance and intelligent data access and management capabilities.

OPEN DRIVES

What's Under the Hood?

The Atlas Performance Engine combines the best open source has to offer and our own engineering expertise in unstructured data workflows to keep creative productions running seamlessly all day long. Atlas Performance Engine combines unique and intelligent data-handling capabilities with automation, data integrity, and most importantly of all, blazing-fast speed.

- Customized kernel, services, software tools, and latency-focused system tuning maximizes consistent high performance for large, unstructured datasets

- Adobe Accelerator—our specialized approach to shared caching makes mounting and rendering Premiere projects faster and more efficient, especially for collaborative teams

- Fully inline caching analyzes data in real time to maximize block sizing while inline compression reduces the block footprint on disk

- Automated block-level data promotion from bulk storage to cache tiers maximizes RAM/NVMe utilization, thereby minimizing the capacity and cost requirements to achieve low latencies and high performance

- Intelligent prefetching accelerates data access by promoting data to the system cache, then automatically predicting and serving up the most popular requested data

- Provides All Flash Array performance in a hybrid (HDD/NVMe) solution, which significantly reduces total cost of ownership and scaling

- Algorithmically monitors data usage to automatically pin hot data to caching tiers

Data Storage for a New Age of Workflows

Where price, either due to capacity needs or the additional costs of unneeded functionality, is usually what prevents most from experiencing the benefits of enterprise-class storage performance and data management capabilities, Atlas' composable software architecture makes Atlas accessible where it was once cost prohibitive. Now you have the flexibility to choose the balance of capabilities versus cost that most works for you.

What's more, creative enterprises today have many places they call "the office", such as home workstations, small offices, and larger headquarters. Atlas Comprehensive allows busy IT teams and/or technical creative teams to quickly respond to their users' data needs and manage multiple systems through a single pane-of-glass view. To tap into the full spectrum of enterprise capabilities available, you can select from several Ultra hardware options and—in the near future—a variety of fully certified third-party hardware options.

Unlimited Capacity

We find that upcharging for software when you simply need to accommodate more content is unnecessary. All Atlas composable bundles come with unlimited capacity per controller, meaning you can add another 500 TB or even 2 PB without additional software fees, up to the capacity limits of your storage hardware. As your workload continues to grow, Atlas' unlimited capacity brings you the peace of mind that comes with cost predictability.

Choose Atlas Comprehensive

Atlas Comprehensive is our flagship bundle designed for enterprises dealing with resource-intensive workflows. These organizations can be highly distributed both in the location of their content as well as the geographic distribution of their creatives, so enterprise features and capabilities are an absolute must. To tap into the full spectrum of enterprise capabilities, you can select from several Ultra hardware options and—in the near future—a variety of fully certified third-party hardware options.

Atlas Comprehensive provides all the powerful, enterprise-class performance features and capabilities Atlas is known for: best-in-class performance over IP-based networks, the reassurance of economical scalability with our unlimited capacity cost model, and the ease of use of a system designed to handle the specific data needs of boundary-pushing creative teams.

Atlas Comprehensive At-A-Glance

- Includes all the capabilities that Atlas has to offer from Atlas Performance Engine, data integrity and monitoring functions, Containerization, third-party data source mounting, and so much more

- Workflows: editorial, growing file, broadcast, nearline, remote ingest/ broadcast, coloring, finishing, third-party storage remounting, remote production (REMI)

- Requirements: (Professional Plus upgrade), third-party hardware Mount Manager, S3 and public cloud data source mounting

- When combined with OpenDrives' Ultra storage hardware platform
    – Performance: Up to 25 GB/s
    – Capacity: Scalable to ~12.5 PB

Features & Capabilities

We have three Atlas composable feature bundles to choose from that fit the workflow requirements and budgets of creative teams of all sizes. Contact us to choose which one is right for you. Check out https://opendrives.com/atlas/pricing/ to learn more.

Feature	Atlas Essentials	Atlas Professional	Atlas Comprehensive
Unlimited Capacity	✔	✔	✔
Local Pools & Filesystems	✔	✔	✔
Network Sharing (SMB and/or NFS)	✔	✔	✔
Local Users/Permissions	✔	✔	✔
Atlas Performance Engine	✔	✔	✔
Advanced Checksums for data integrity	✔	✔	✔
Boot Environment Rollback	✔	✔	✔
Routines Engine	✔	✔	✔
Local Snapshots	✔	✔	✔ +Remote Snapshots
Analytics & Diagnostic Tools	✔	✔	✔
SMTP Notifications	✔ SMTP Email	✔ +Enhanced Notifications (Webhook, Twillio)	✔ +Enhanced Notifications (Webhook, Twillio)
Deployment Wizard	✔	✔	✔
Active Directory/LDAP	✔	✔	✔
NFSoRDMA (NFS over RDMA)	✖	✔	✔
Active/Passive High Availability (HA)	✖	✔	✔
Containerization	✖	✔	✔
Single Pane-of-Glass (SPOG)	✖	✔	✔
API Access	✖	✖	✔
Mount Manager	✖	✖	✔
Scale-Out PDFS	✖	✖	✔ Requires add. services. Contact Sales for more info