

atlas

PROFESSIONAL

The Goldilocks Bundle from M&E's Composable Software-Defined Data Storage and Management Platform

Fast-growing businesses are constantly pressured to plan technology budgets and optimize for their current creative workflows well in advance, despite not being able to accurately predict changing workloads, bandwidth, and customer demand. These nimbler, usually mid-sized businesses often struggle in handling ever-shifting organizational goals and are quick to accommodate any revenue-generating projects that mostly come from deep left field. When growth is the goal, any opportunistic projects are seized rather than left to chance. An inflexible data storage solution that charges per capacity not only makes budget planning and cost reduction exercises especially difficult, it can, worse still, end up thwarting productivity, creativity, collaboration, and the hyper agility necessary to chase after any chances for profitable growth.

So what happens when a media and entertainment business is stuck with antiquated technology that can't flex? You end up settling for a traditional data storage solution that eventually ages out of support, innovation, and performance, plus costs you more in the long run since it can't integrate well into your workflow or essential applications. This is not surprising considering that traditional data storage is built to handle data files that tend to be smaller, well behaved, and exhibit predictable growth. Media production, on the other hand, is largely project driven, spikey, and as mentioned earlier, opportunistic in nature. If you're looking for a data storage solution purpose-built for your media workflows, you need something that can help you absorb all the unpredictability without compromising on the performance and ease of use that keep your team efficient.

Introducing OpenDrives' Atlas software-defined data storage and management platform. Thanks to Atlas' composable architecture, we're able to offer Atlas Professional, our mid-market Atlas bundle—perfectly built to accommodate the scaling needs of progressive businesses with ever-evolving creative workflows.

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, mid-sized organizations today have many places they call "the office", such as home workstations, small offices, and larger headquarters. Atlas Professional allows busy IT teams and/or technical creative teams to quickly respond to their users' data needs and manage multiple systems. 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 Professional

Atlas Professional is our mid-tier bundle, which introduces popular enterprise-class capabilities that are not typically available in prosumer data storage solutions like Containerization, NFS over RDMA (NFSoverRDMA), Routines Engine, and more. This is a great launchpad for fast-growing organizations who need advanced data handling and resource optimization capabilities—at an ideal price point to serve their mid-market creative workflows. Atlas Professional perfectly blends blazing-fast performance and intelligent data management capabilities, which is why it is known as our Goldilocks choice. This is the bundle geared toward organizations with dedicated creative teams that work with an extensive, spread-out network of external production teams to handle moderately complex workflows. Choose Atlas Professional if you have outgrown your current data storage solution, are looking for more advanced data protection options, and are prioritizing productivity and efficiency. And if you need advanced scaling and integration capabilities, it's easy to upgrade to Atlas Comprehensive. To tap into the full spectrum of Atlas Professional's capabilities, you can select from several options of certified hardware architectures, including Ultra, Ceres, and Eos.

Atlas Professional 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 licensing model, and the ease of use of a system designed to handle the specific data needs of boundary-pushing creative teams, whether they are planned or not.



Atlas Professional At-A-Glance

- Includes unique data management capabilities like Routines Engine, NFSoverRDMA, Containerization, Advanced Checksums, and more
- Enterprise-class performance via Atlas Performance Engine
- Active Directory / LDAP + Kerberos / SAML 2.0
- Workflows: post-production, online/offline editorial, coloring, VFX, finishing, frame-sequential workflows
- When combined with OpenDrives' Ultra storage hardware platform
 - Performance: Up to 25 GB/s
 - Capacity: Scalable to ~12.5 PB
- Or choose from several third-party certified hardware architecture options



Features & Capabilities

We have two 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 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	✓ Plus enhanced notifications (Webhook, Twilio)	✓ Plus enhanced notifications (Webhook, Twilio)
Deployment Wizard	✓	✓
Active Directory/LDAP	✓	✓
NFS over RDMA (NFS over RDMA)	✓	✓
Containerization	✓	✓
Active/Passive High Availability (HA)	✗	✓
Single Pane-of-Glass (SPOG)	✗	✓
API Access	✗	✓
Mount Manager	✗	✓
Scale-Out PDFS	✗	✓ Requires additional services. Contact Sales for more info



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