

AI-Ready Application Delivery

Intelligent AI Data Flow Optimization with
Progress Connection Manager
for ObjectScale

BROCHURE



Key Benefits

- High-throughput, low latency AI data access
- Intelligent load balancing for S3 traffic
- Built-in high availability and multisite resilience
- Zero-trust security for AI data flows
- WAF, identity and TLS enforcement at the edge
- Centralized certificate lifecycle management
- Unified observability with a single control plane
- Simplified Day 2 operations for AI platforms

AI depends on massive, fast-moving data, but as organizations scale across distributed, multi-cloud environments, moving that data reliably becomes a bottleneck. Ingesting large S3-based datasets from multiple locations strains pipelines, slowing training and inference, and increasing operational and compliance risks.

The **Dell AI Data Platform** requires intelligent, policy-driven data delivery that accelerates storage access, enforces security and maintains resilience at scale.

Let's look at this scenario:

- You are deploying or scaling AI workloads:
- Training and finetuning models on large data sets
- Running inference services (chatbots, copilots, analytics)
- Feeding Retrieval Augmented Generation (RAG) and other AI patterns from object storage and databases

Your data lives in S3-compatible object storage on-premises and across cloud storage systems. You need:

- High throughput, low latency access to data across multiple clusters/sites -throughput, low latency access to data across multiple clusters/sites
- Strong encryption, identity and API level controls for sensitive data -level controls for sensitive data
- Global and local resilience so AI apps keep running even when nodes go down.
- Centralized operations – not three different consoles and five different toolchains
- Intelligent distribution of S3 traffic to distribute, rate limit and govern PUT, GET, DELETE and LIST requests across object-storage nodes.

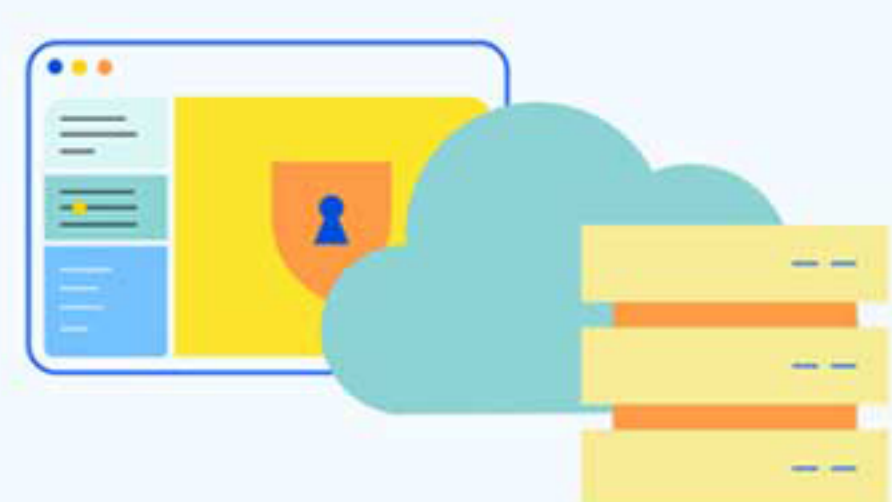
Connection Manager for ObjectScale's Role in the New Data-Driven Era

Connection Manager for ObjectScale and Progress LoadMaster 360 turns object storage (including ObjectScale/ECS) into a high performance, secure and governable AI data fabric—by intelligently load balancing AI tools' traffic to storage and analytics services, while giving operations teams a unified SaaS control plane for performance, certificates and Day 2 operations.

Unmatched Simplicity, Flexibility and Value



Easy to **deploy**
and **configure**



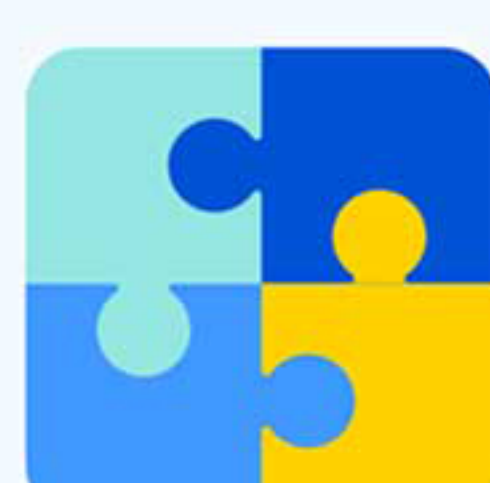
Hardware, Virtual
and **Cloud**



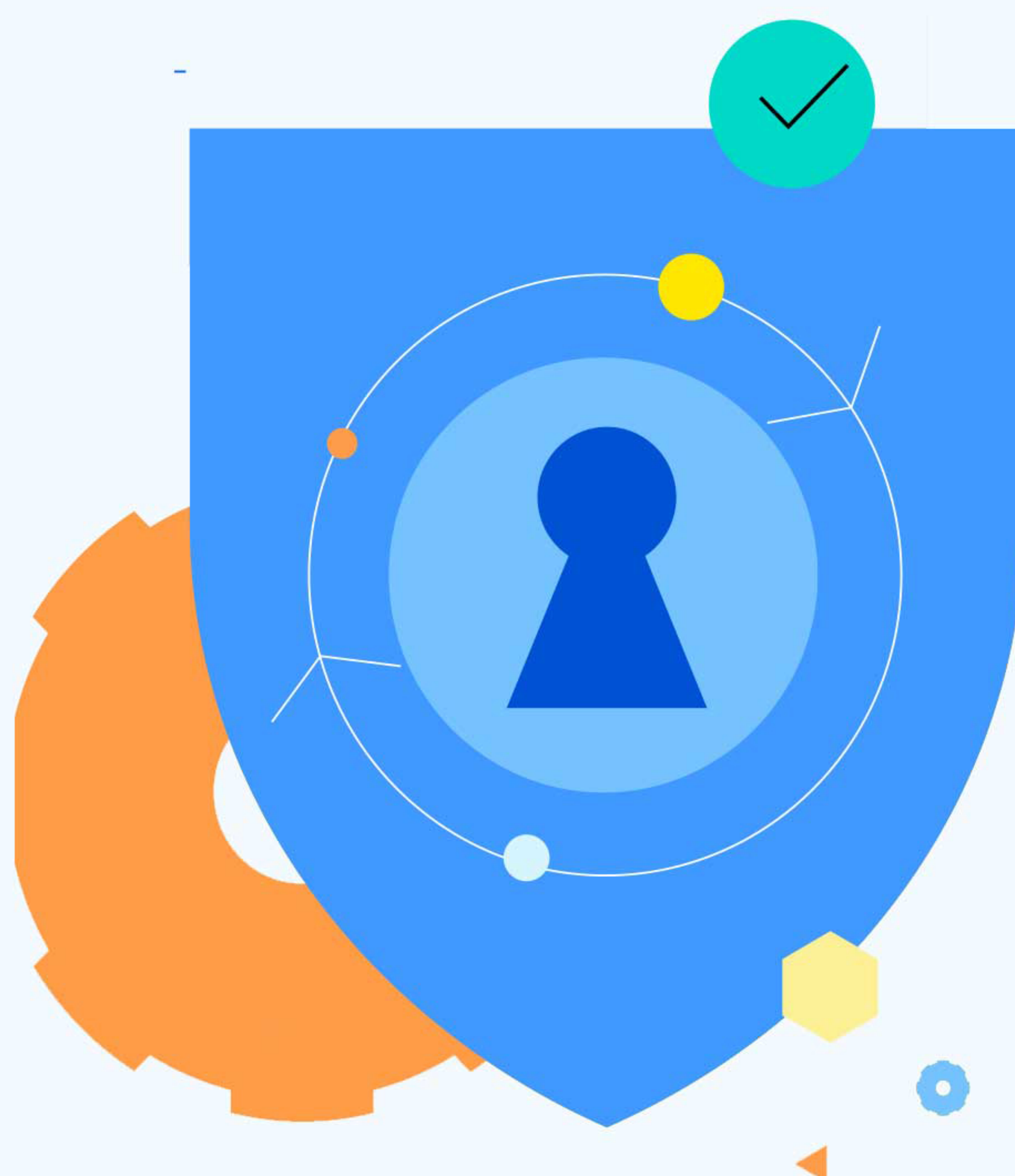
Outstanding
Customer Support



Best value
Load Balancer



Free
30 day trial



Front Door for AI Data APIs and Tools

Connection Manager for ObjectScale terminates client connections (AI tools, frameworks, microservices) and intelligently routes traffic to:

- Object storage clusters
- Feature stores, vector databases or metadata services
- Microservices that enrich, transform, or preprocess data

Using its L4–L7 load balancing, health checks and TLS offload, Connection Manager for ObjectScale smooths traffic “spikes” from training jobs and bursty inference workloads, distributing traffic intelligently by connection or request across storage nodes.

Local and Multisite Resiliency

Connection Manager for ObjectScale provides high availability clusters and multisite/ global load balancing (GSLB) so that:

- Storage clusters and AI services remain reachable even when nodes or a site fail.
- Traffic can be steered by latency, health, or site availability patterns.
- You can gradually roll out new storage or AI clusters, shift traffic, and roll back if needed.

Security and Governance for AI Data Flows

Connection Manager for ObjectScale brings built-in Web Application Firewall, Zero Trust Access Gateway tooling, pre-authentication, and centralized Certificate Management (via LoadMaster 360) to your AI data channels:

- Terminate TLS and enforce modern cipher standards.
- Protect APIs and web frontends with Connection Manager for ObjectScale WAF (OWASP Top 10)
- Enforce identity and SSO at the edge before traffic hits your AI services or S3 endpoints.
- Use LoadMaster 360 to orchestrate cert renewals and avoid “expired cert” outages in AI pipelines.

Connection Manager for ObjectScale’s integrated WAF, identity/MFA integration, and DoS/DDoS mitigation acts as a protection layer for AI data APIs.

Observability and Day 2 Control with LoadMaster 360

- Telemetry and dashboards for throughput, latency, and error rates across AI data paths
- Incident management to surface issues early with context (which cluster, which service, which cert)
- Certificate lifecycle management for AI endpoints and S3 access points
- Policy management and config automation roadmap for consistent governance

Instead of treating AI traffic as “just another app,” LoadMaster 360 lets platform teams see AI data flows as a first-class object in their fleet—with the same operational simplicity Connection Manager for ObjectScale already delivers for S3 Storage.



Visit Progress Connection Manager for ObjectScale

About Progress

Progress (Nasdaq: PRGS) empowers organizations to achieve transformational success in the face of disruptive change. Our software enables our customers to develop, deploy and manage responsible AI-powered applications and digital experiences with agility and ease. Customers get a trusted provider in Progress, with the products, expertise and vision they need to succeed. Over 4 million developers and technologists at hundreds of thousands of enterprises depend on Progress. Learn more at www.progress.com

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