

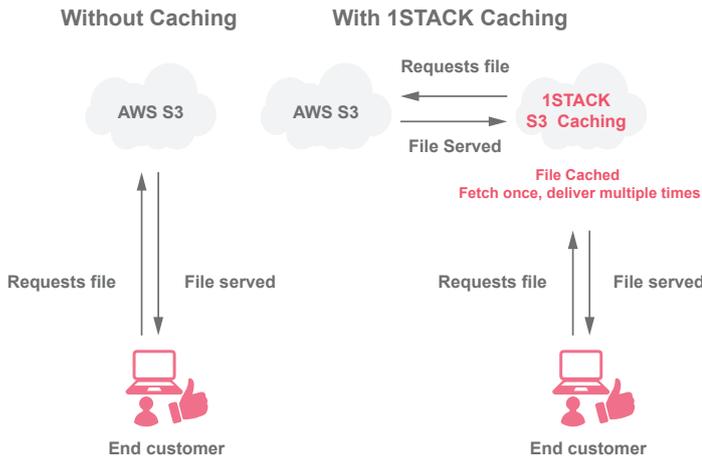
Reduce Your AWS Egress Costs S3 Caching

What is S3 Caching?

1STACK Cloud S3 Caching provides a local, high-performance cache that stores your frequently accessed AWS S3 objects on NVMe-powered infrastructure—within 1STACK Cloud.

Instead of pulling the same data repeatedly from remote S3 buckets, your apps access it instantly from local storage.

- Faster data access
- Improved application responsiveness
- Up to 30% savings on API and egress costs



Why Use 1STACK Cloud S3 Caching?

Reduce Cloud Bills

Cut down on repeated S3 API calls and outbound data transfers. A 10TB S3 bucket used in AI training can save up to 30% monthly—without changing a single line of code.

Accelerate Performance

Achieve sub-millisecond latency by caching datasets locally—ideal for AI training, real-time dashboards, and high-frequency applications.

Improve Sustainability

Reduce unnecessary cloud traffic and compute cycles to lower energy usage and your carbon footprint.

Seamless & Secure

Full integrated into 1STACK Cloud's services and benefits from the core 1STACK Cloud functionalities like IAM/SSO, metering/monitoring, billing/invoicing, and cloud security frameworks. Your data stays protected with your current permissions and access controls.

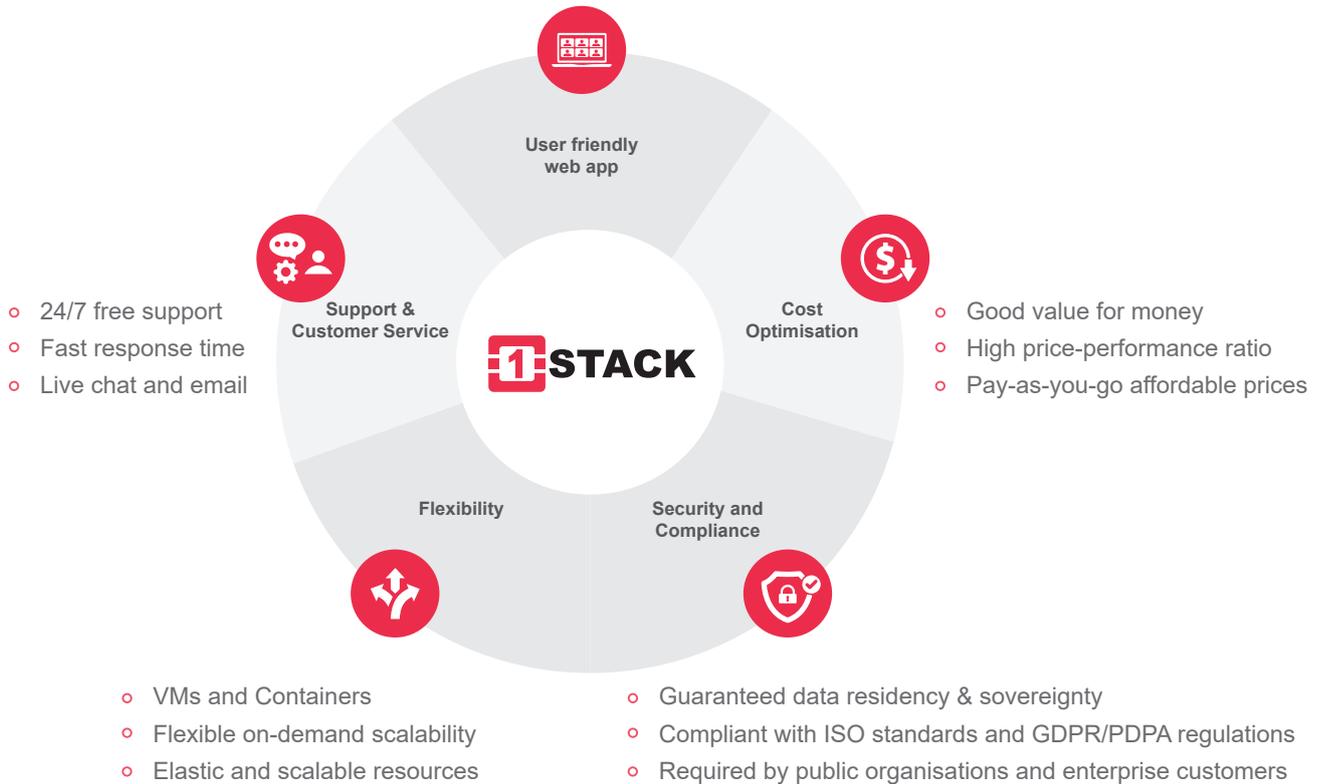
Experience a Smarter Cloud

1STACK Cloud delivers more than just caching. Our platform brings together compute, local object storage, and cloud-native tooling into a high-performance ecosystem.

Whether you're training AI models, streaming real-time data, or serving high-traffic content, 1STACK Cloud S3 Caching gives you the edge.



- Unbundled resources
- High resource utilization
- Easy to use and intuitive customer journeys



Use Cases

○ AI & ML Model Training

Training models involves frequent access to large datasets and iterative checkpoints. S3 Caching brings these datasets closer to compute, reducing training time and infrastructure costs. Whether you're retraining LLMs or iterating on computer vision models, 1STACK Cloud accelerates your ML workflows with sub-ms latency on reused data.



○ Data Analytics

Business intelligence tools and dashboards perform better when data access is fast. With S3 Caching, commonly queried datasets are served instantly, improving refresh rates for analytics platforms and stream processing tools. It's perfect for time-sensitive metrics, dashboards, and ETL operations.

○ Web Content Delivery

Speed matters when serving images, media, and static assets to global users. Cache popular content locally to reduce load times, lower CDN dependence, and support scalable web services without bottlenecks.



○ IoT & Edge Computing

Edge devices generate and consume large volumes of data. S3 Caching ensures local access to frequently used datasets or firmware files, enabling faster decisions, better device responsiveness, and less reliance on cloud round-trips.