



Driving email storage costs down



IF YOU'D LIKE TO LEVERAGE **MODERN TECHNOLOGY** TO **SAVE MONEY ON DATA STORAGE** AND BETTER **SCALE YOUR BUSINESS**, WE CAN HELP.

obj.store(), atmail's object storage plug-in for Dovecot open source offers a superior cloud storage experience with better accessibility, affordability and scalability.

OBJECT STORAGE

Object storage is an alternative to block storage or traditional file system storage. It manages data as objects and brings simplification to current file system storage; from a directory structure of traditional file systems, to a flat list of 'buckets' that store data using unique IDs rather than filenames.

This means that for each piece of data stored, not only is it cheaper with cloud-based object storage than on traditional disks, but the amount of overhead data (metadata) required is significantly lower than for traditional file storage systems. This allows a more efficient storing of information across different systems and architectures (on premises and in

the cloud) at the same time. This helps drive down email storage costs and TCO (Total Cost of Ownership).

Object storage reduces your exposure to the inherent risks of storing all of your own data. It's high availability and redundancy give protections that traditional file systems require as an extra layer, which in turn, also helps to lower your costs.

Scaling is easier, because object storage systems store metadata with the object itself. Plus, high availability is provided by replicating the objects across many geolocations and disk drives.

Highlights

- Optimised storage management
- Reduced TCO
- Improved user experience
- Decreased risk of data loss
- Increased availability
- Better ability to scale

FEATURES

Deduplication support

- A 1 MB PDF attachment sent to 10 local users, traditionally stored 10 times (once for each recipient) on a local disk, is stored only once with `atmail obj.store()`

Compression support

- Each deduplicated attachment can be compressed before storing it on any of the supported cloud storage services and platforms

Multiple file copies

- atmail is specifically using object storage for attachment data. This allows us to maintain one copy of an attachment on the system and each time an email is forwarded or replied to, we are only referencing that one instance of the actual attachment data.

Cache support for bandwidth optimisation

- MIME attachments that are fetched from the cloud storage are cached locally (REDIS and local file system) to ensure a responsive user experience

Flexible administration

- Your administrator can choose which attachments will be uploaded to cloud storage based on multiple parameters (such as the date the email was received, the size of the attachment, or various other email attributes)
- You can use one command line to interact with multiple cloud storage providers

Compatible

- Supports various cloud storage or cluster file system vendors (starting with AWS S3 and soon to support Ceph, OpenIO, Backblaze and Scality)

BENEFITS

Optimised storage management

- Instead of storing every email attachment on-site, you have the ability to move older mail attachments to the cloud, but still access those attachments whenever you need to

Reduced Total Cost of Ownership (TCO)

- If you are sending large attachments off to be stored in the cloud, you'll need less of your expensive, traditional disks to store your data and you can still control your stored data within the cloud environment

Improved user experience

- This efficiency of storage allows the creation of methods to more effectively retrieve the data and improve the overall user experience (UX)

Decreased risk of data loss

- Better redundancy and a decreased risk of losing all of your valuable data, due to the ability to split up your storage infrastructure and have part of this in the cloud

Increased availability

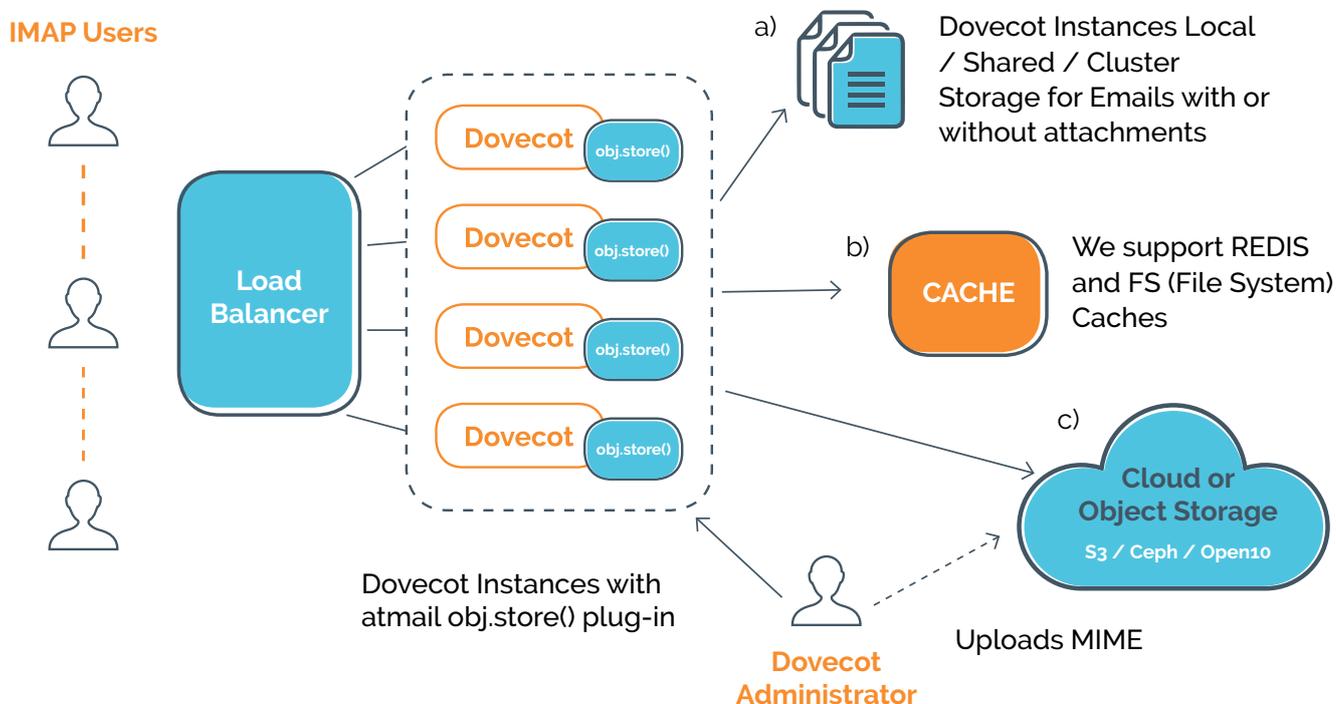
- High availability is provided by replicating the objects across many geolocations and disk drives

Better ability to scale

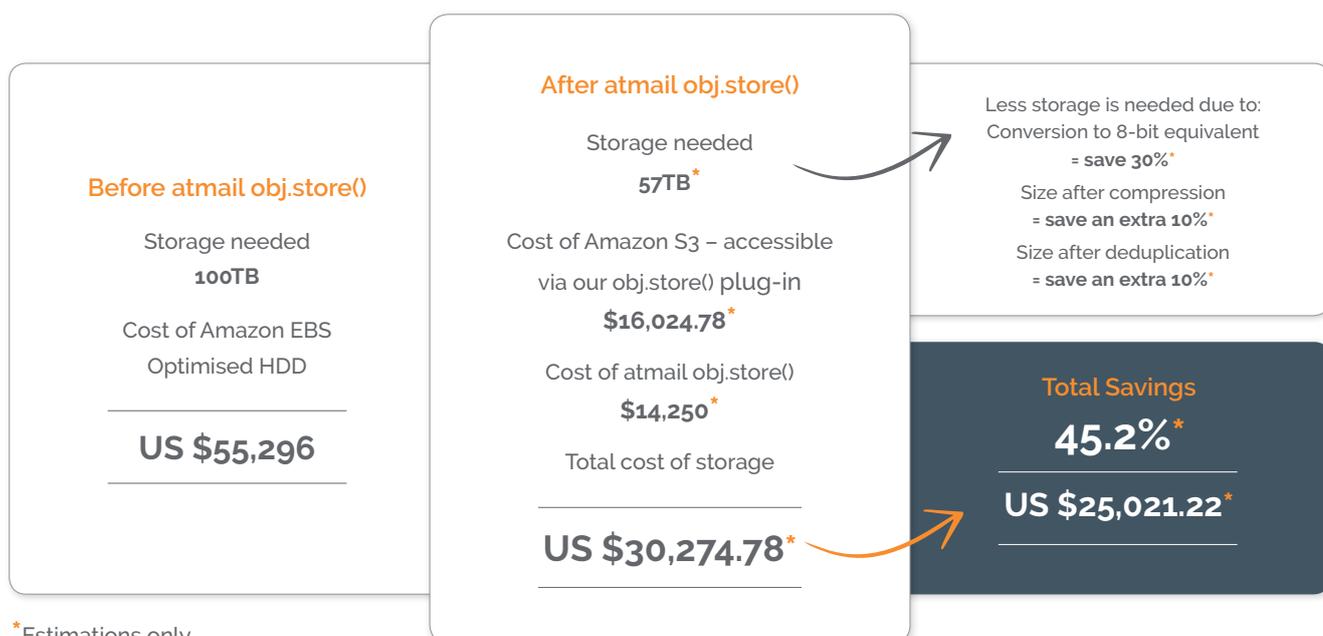
- Object storage systems store metadata with the object itself, which makes it easier for large organisations to scale

ATMAIL OBJ.STORE()

atmail obj.store() is a plug-in for Dovecot open source and works with atmail mail server to store attachments in the object store server as follows:



COST SAVINGS EXAMPLE



For more information, please contact: ☎ +61 7 5357 6604 🖥 atmail.com