



DATASHEET

Dovecot Pro

The only email platform for large email providers

What is Dovecot Pro?

Dovecot Pro is a complete email backend platform. It is the only email platform designed to meet all the needs of a large email provider in one fully supported and tested solution.

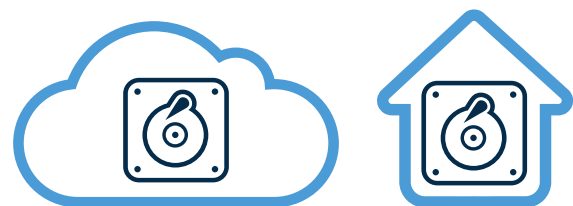
Unlike custom built, often open-source-based, architectures, the Dovecot Pro platform is end-to-end tested and uses open standards to optimally provide high availability, distributed architectures and scalability.

Dovecot Pro is designed to be flexible. It will meet the needs of any large email provider, from choice of storage (object or block; local or cloud) to architectural complexity (local-, metro- or fully geo-redundant).

Finally, Dovecot Pro can significantly reduce costs: reduce storage costs by adopting the right type of storage for your business; reduce search overheads with Dovecot's full text search; reduce hardware overheads through optimized storage and intelligent architectures.

Storage support options

Storage is the most expensive and technically difficult part of an email system. It is critically important that the storage technology used is proven to be both stable and secure. Dovecot Pro uses storage solutions that are highly available, distributed and are independent of the Dovecot backends. This lets users freely float between nodes when needed. Dovecot Pro supports both cloud storage, such as AWS S3, as well as in-house storage, such as Scality object storage. All these are actively tested to give you confidence that your implementation will run smoothly and efficiently.



Cloud Storage vs Local Storage

Your choice.



From clustering to full geo-redundancy

Why trust Dovecot Pro

Since 2002, Dovecot has become the number one IMAP server in the world. It has always been known for its security, efficiency and stability. These days, Dovecot Pro is the only fully supported IMAP platform designed to scale to tens of millions of active users on both in-house or cloud solutions.

Zero downtime maintenance

The use of clustering, high availability, Kubernetes, and geo-redundancy/multi-site means that Dovecot Pro keeps running, even during interruptions in individual components, whether intentional (i.e. scheduled maintenance) or unexpected.

Scalability

The ability to scale with ease to tens of millions of 'active' users is very important. Dovecot Pro's Palomar architecture makes scaling up and out very easy and without any downtime.

Efficiency

The efficient use of resources makes Dovecot Pro extremely economical to run. Combined with things like object storage, load balancing, optimized search indexing and Obox (optimized I/O, especially for cloud storage), this makes Dovecot Pro uniquely efficient.

Storage optimization

Only Dovecot Pro uses the Palomar architecture that enables it to support many storage solutions. Also, the way it is architected, means that it uses a limited API to the storage. This results in a reduction in expensive I/O calls. Finally, this flexibility lets you decide if you want to use cloud storage (OpEx) or purchase in-house storage (CapEx). It is all your choice.

Clustering, HA, metro and geo-redundancy

Dovecot Pro's exclusive Palomar architecture lets you take redundancy to whatever level you want. From simple backend clusters, through metropolitan redundancy, right up to real geo-redundancy. Once created, you can move groups of users about manually or let Dovecot Pro handle it all for you and keep your email platform running at peak efficiency, regardless of outages (planned or otherwise).

Reputation

Dovecot has been the world's most popular IMAP solution for decades now. Both with the open-source community, as an IMAP server, and with the largest email providers around the world, as a paid-for email platform. Its reputation is based on countless implementations and its ability to scale/meet the needs of the most demanding requirements.

Cost savings

Dovecot Pro's Palomar architecture almost always saves customers money, regardless of how it is deployed. The option to move to object storage can already result in huge cost savings. The way Dovecot Pro structures its I/O can also deliver significant savings, especially when using cloud storage options. The search indexes can also reduce storage as much as ten times when using Dovecot Pro's Full Text Search feature.

Tomorrow's technology today

Back in 2002, in Finland, Timo Sirainen created Dovecot to be a secure, lightweight and super-fast IMAP server. He built it for a technical audience, so it had to be honest and work well. Today, he is still part of a much bigger team that ensures Dovecot remains the best stand-alone IMAP server and has pushed Dovecot Pro to become the best professional email platform available for large email providers.

Dovecot Pro vs open-source IMAP servers

Open-source email backend servers are generally intended to be run on a single machine. To combine them into a larger, cohesive system is beyond the scope of their design. To achieve this requires substantial resources and provides no guarantee that the resulting solution is performant or even sustainable. Dovecot Pro, on the other hand, is a whole platform that includes load balancing, centralized platform coordination, broad storage security, integrated security services (such as OX Abuse Shield), Full Text Search indexing, health monitoring, statistics gathering, and much more.

An email techie's dream

Many email administrators/technicians spend their time simply keeping their email systems running. Now, with Dovecot Pro, they can do a lot more than just that.

Do it the right way

Many customers choose Dovecot Pro because they have an architecture that has become obsolete or much too hard to manage. Technical staff spend most of their time simply maintaining the existing platform, instead of thinking about how to improve or grow the system. Dovecot Pro gives them the opportunity to create a modern, stable and supported platform that will form the basis of their email solution for a long time into the future.

Optimize storage

Many customers have a storage solution that is no longer fit for purpose. Often block storage solutions are no longer up to the job. Dovecot Pro lets customers leverage the latest object storage options available to them - including significant reductions from in-house storage utilization, reduces I/O to cloud storage, moving from block to object storage or adopting a new Search Indexing system that reduces required space.

Reduce/eliminate downtime

One technical nightmare is downtime. Regardless of if it is planned or unplanned, it is not desirable. Dovecot Pro lets admins/maintenance staff manage, or even eliminate, downtime. First, with Dovecot Pro's Palomar architecture, the platform is extremely redundant. This lets admins drop various parts of the platform without stopping service. Admins have the freedom to move user groups between nodes or even data centers. Depending on how Dovecot Pro is implemented, whole data centers can even be taken offline with little to no impact on users.

Statistics and visibility

The Palomar architecture includes centralized administration that enables an admin to, among other tasks, adjust load balancing, do health monitoring, and view platform-wide statistics. The administration component includes a convenient graphical user interface to the admin API. In short, admins now have a built-in system to provide more visibility into the platform, resulting in more power to adjust, refine and maintain it.



Fully supported for peace of mind

Dovecot Pro Support

The Palomar architecture

Dovecot Pro's Palomar architecture is truly unique to Dovecot Pro. It was created as a result of both feedback and huge limitations in existing mail servers to deliver a fully architected and supported cloud-native solution. The Dovecot team were in a unique position to identify these industry needs, due to their 20+ years of email experience, and created Palomar.

Dovecot Pro's Palomar architecture ensures availability and provides huge scalability. Having said that, it does a lot more on top, such as:

- Load balancing (various types of load balancing within Palomar)
- High availability
- Load redistribution and moving of users
- Multi-site support and administration
- Separates the data plane from the control plane

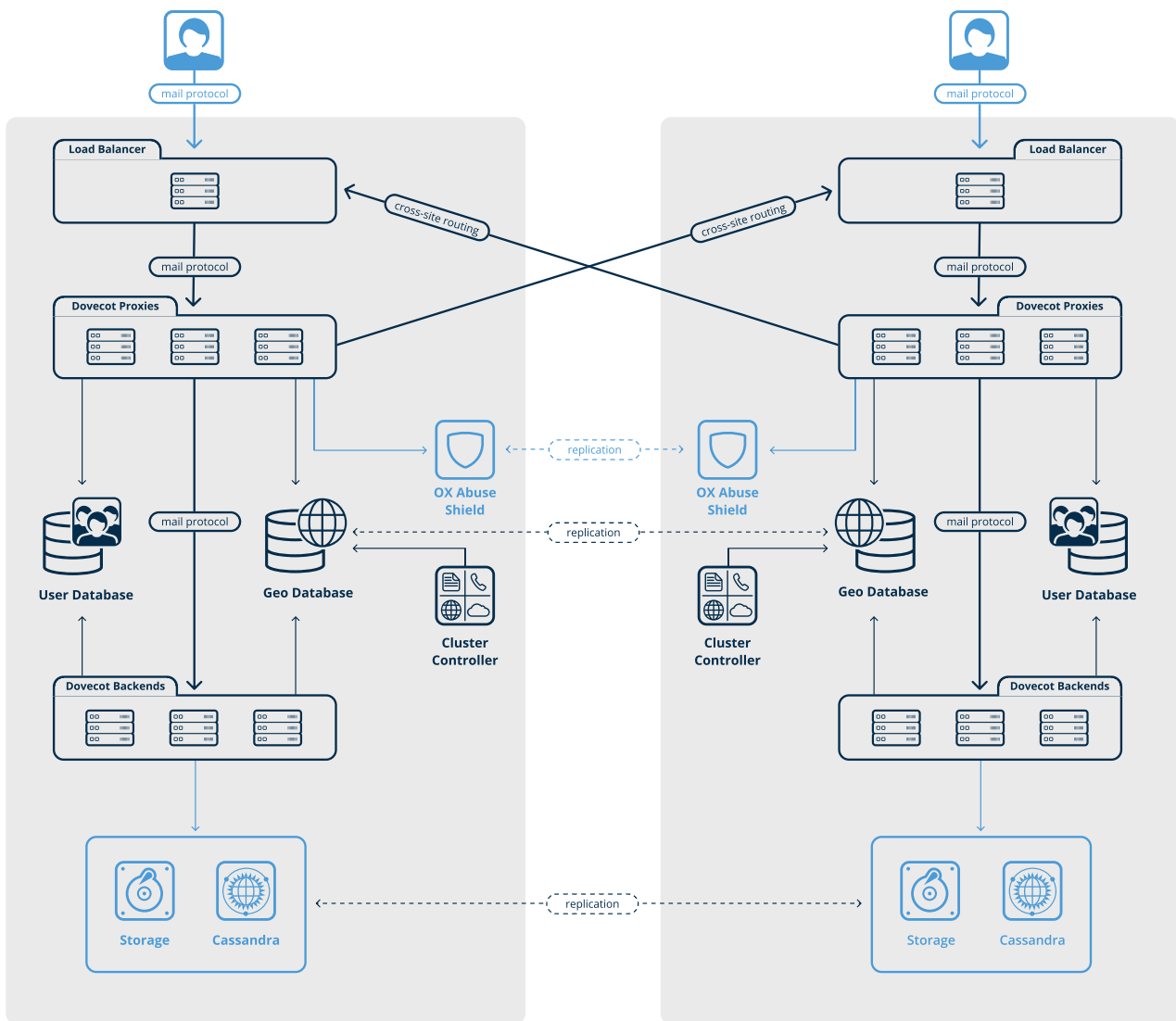
Dovecot Pro support

Support is an obvious reason to choose Dovecot Pro. Dovecot Support includes the following:

- Agreed SLAs
- Security patches
- Product releases/updates
- Product/platform patches
- Bug reporting and tracking

Also be assured that the whole platform undergoes strict quality assurance checking. This is done at several different levels:

- Development – by peers and others
- Platform – by human and automated testing
- Wholistic – by peers, community and even bug bounties



Dovecot is part of the Open-Xchange group.

2024 © Open-Xchange. All rights reserved. Open-Xchange, the Open-Xchange logo and Dovecot are trademarks or registered trademarks of Open-Xchange GmbH. All other company and/or product names may be trademarks or registered trademarks of their owners. Information contained in this document is subject to change without notice.