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## DATASHEET

# Scale up to the best IMAP Server: **Dovecot Pro**

### **Trust the Number One IMAP Server**

Large scale solutions and solutions that deliver a high quality service require an infrastructure that is built for the job. For this reason Open-Xchange selects the best. Dovecot is recognized as the market leading IMAP server solution in the world with over 2.9M Dovecot Servers and 57% market share.

### **Scalability and Stateless Design**

Both OX App Suite and Dovecot Pro are designed to scale out in order to meet the largest of loads. Their stateless design provides the ability to meet current requirements and then scale out as required. Need more capacity? Simply plug in more hardware and activate more virtual machines. All this means that maintenance and servicing becomes simple and transparent. Take machines off the chain with no interruption to service.

### **Quality Support and Maintenance for your systems**

When providing a high volume and high quality cloud-based solution, reliability, performance and peace of mind are priceless. Together OX App Suite and Dovecot Pro provide all of this and much more. Dovecot and Open-Xchange experts are always at hand to help with everything including initial architecture design, configuration optimization, cluster strategy and high availability setups. In short the people that build the products support your business!

Finally your subscription comes with full software maintenance, patches, security fixes, updates and upgrades. This also includes major releases of Dovecot Pro.

# Reliability & Performance with a **Stateless Architecture**

Mail storage needs of Service Providers grows on average 40% per year – a costly challenge when your core business value is not Cloud infrastructure. Assuring service availability at the same time while decreasing operational costs is tricky. When a Telco or Hosting Provider deploys Dovecot Pro, the cost savings, high availability, and decreased TCO benefits add up.

## **Email Storage - In-house or on the Cloud?**

Email storage demands are growing steadily at about 40% per year. If a free email solution is to be provided to end-users, then care must be taken to ensure that the cost vs. profit equation adds up. Dovecot Pro gives you the option to store email data on cloud storage solutions, such as Amazon S3, Microsoft Azure, SCALITY (native CDMI connector), CEPH or other S3 compatible systems. This has the potential to save providers up to 60-70% of their storage costs. In addition new low-cost replicated object storage systems are now a good alternative to the expensive, and more commonly used, SAN/NAS storage systems.

## **Complete Stack**

Whether you are planning to replace your existing system, or simply upgrade to a solution that will grow the way you need it to, then Open-Xchange can provide the perfect stack. This stack includes OX App Suite, Dovecot Pro and an object storage product that will scale and perform optimally. Dovecot Pro comes with the widest selection of mailbox formats, supported authentication methods and product support. OX App Suite with Dovecot Pro and a proven object storage solution, not only performs well, optimizes resource utilization but also lets you scale out without interruption.

## **Security x3**

Security is talked about a lot these days and we take this very seriously, but at Open-Xchange we also know that security is a balance. If done wrong security can make a system less secure or even unusable. Together with Dovecot Pro we can offer you, and your customers, three levels of security. First secure storage of emails - emails are stored encrypted on the chosen storage solution. Second users can send encrypted emails - with OX Guard end users can transparently, and at the push of a button, send their emails fully encrypted. Finally with Dovecot Pro end user emails can be fully archived.

## **Professional Services**

When setting up a new system, experience is key. When you choose OX App Suite together with Dovecot Pro you have the opportunity to tap into years of experience in these kind of solutions. Our professional services are second-to-none because they have both the experience as well as direct contact to the developers themselves. You tell them what is important to you and they will make sure the final system matches your requirements. They will help you architect a custom solution

that is high performing, resilient and reliable. They will even help you in migrating your existing customer base, both from a technical and a business perspective.

## **Migration Made Easy**

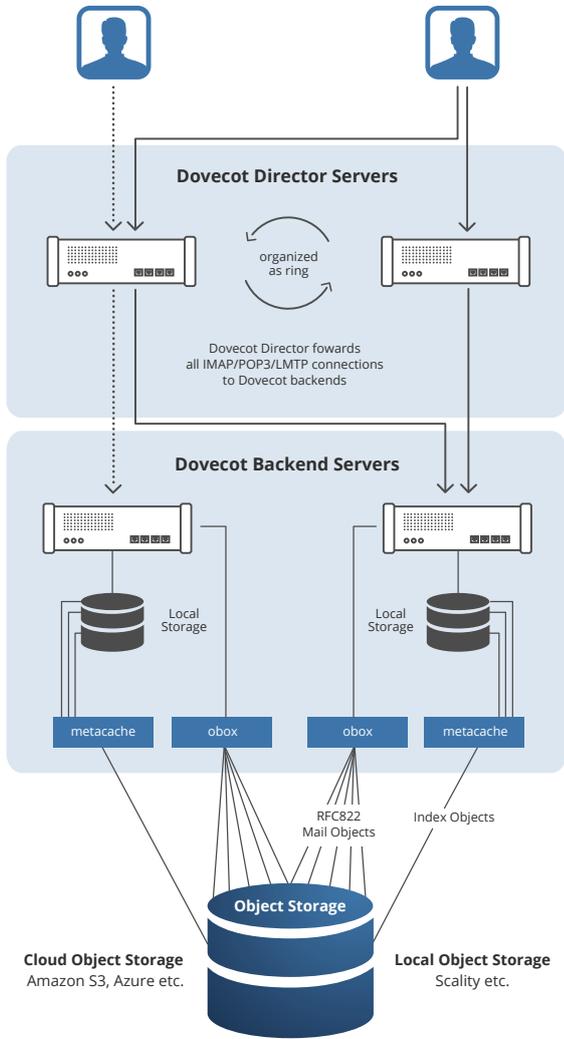
Once you have your system ready, it has been tested and you are ready to go, how do you migrate your users? There are several options open to you, depending on your situation. First you can use the Dovecot Pro migration tools. These tools will migrate your users emails seamlessly in the background and without interruption. Second you can create marketing buzz around the migration and then offer the new solution as an upgrade. Third you can take a softly-softly approach by offering your users a dual interface login system. Let your users migrate in their own time. Many solutions are available to you and Open-Xchange with Dovecot can advise you as to your best option.

## **Reliability & Resilience**

One thing that is not an option, with a solution like this, is reliability. This system will form the core of your business and any downtime or loss of data is not an option. This is why Open-Xchange and Dovecot work so closely with object storage vendors to help you produce a system that will be fast and reliable. Together we can help you build a solution that is clustered, highly available, stateless and with a lot of redundancy built in. This means you are protected against outages as well as letting your system grow seamlessly as your business grows. Finally our support provides you with another level of reliability. We offer 24/7 Platinum Support that means you get complete peace of mind round the clock.

## **Performance & Sizing \***

OX App Suite together with Dovecot Pro, and an object storage solution, allows you to produce an economical, high performing and flexible solution for your business. It is highly economical and delivers outstanding hardware and storage utilization (see sizing table). A simple example of this is its' indexing approach. A Dovecot Pro full text index can be up to 70% smaller when compared with a traditional email server. Also it stores the index inside the object store, which means it is both stateless and high performing. Many more saving can be achieved when using OX App Suite with Dovecot Pro.



### Why Go Dovecot Pro?

Of course there is an open source community version of the Dovecot email server, but just like all successful open source products there is also a Pro version. The Pro version is usually purchased for critical and production deployments. Dovecot Pro is specifically designed for larger critical deployments. When factors like hardware utilization, uptime and performance are critical, do you really want to go-it-alone? Dovecot Pro also provides additional features that are not available in the community version. These include support for object storage (provided directly from Dovecot), elastic S3 storage support, hibernation mode that reduces memory demands from idle IMAP connections, deep security, full text indexing and much more: Features that can significantly reduce deployment and running costs.

The Dovecot Pro version also offers business grade SLA driven support and maintenance. This is a service that makes sure your system is always up-to-date and running at peak efficiency. Finally a Dovecot Pro support contract means that you are never alone if something should ever go wrong. We are there 24/7 to ensure your business always remains up and running.

### TCO and ROI

Hardware requirements, especially as email solutions grow and more users are added, can be a significant cost driver. Dovecot Pro makes more efficient use of hardware than competing solutions. This results in significantly lower hardware costs. For example, when growing from 1 million to 3 million users other vendors typically require you scale your infrastructure from 16 to 38 servers. With Dovecot Pro the requirements for the same number of users is only 8 to 17 servers (see table). This has a significant impact on total cost of ownership, and when combined with the revenue generation potential of a platform, like OX App Suite, creates an excellent return on investment.

\*

| Dovecot                                   |        | 1M users/50k* | 2M users/100k* | 3M users/150k* |
|---|--------|---------------|----------------|----------------|
| Director/Proxy                            | 4cores | 2             | 2              | 3              |
| IMAP Backend                              | 4cores | 6             | 10             | 14             |
| <b>Full Virtualization Possible</b>       |        |               |                |                |
| *Concurrent IMAP sessions Formulated 2015 |        |               |                |                |

| Other typical vendor                      |        | 1M users/50k* | 2M users/100k* | 3M users/150k* |
|---|--------|---------------|----------------|----------------|
| Director/Proxy                            | 4cores | 8             | 14             | 20             |
| IMAP Backend                              | 8cores | 8             | 13             | 18             |
| <b>Limited Virtualization Only</b>        |        |               |                |                |
| *Concurrent IMAP sessions Formulated 2015 |        |               |                |                |

### Dovecot Pro Software Benefits

- Scalable and completely stateless software (2.9 million IMAP servers live)
- Supports Scality RING with a native CDMI connector
- Cloud Storage options with Amazon S3, Microsoft Azure, CEPH and S3 compatible systems
- Optimized for OX App Suite 7.6 and higher
- Object Storage based GEO replication and intelligent caching
- Dovecot Full Text Search - Saves up to 70% storage requirements
- Advanced Tools for statistics, monitoring and administration
- Dovecot Email Archive optionally available

### Dovecot Pro Services Benefits

- Your system can be designed and architected by Open-Xchange and Dovecot specialists
- Includes full software maintenance: Patches, security fixes, updates and upgrades
- Operating System version compatibility guaranteed
- Access to dedicated Dovecot repository
- 24/7 or 8/5 Helpdesk support provided by Open-Xchange and Dovecot experts
- Customization and custom code opportunities possible
- Access to Open-Xchange and Dovecot Professional Services for configuration and performance optimization
- System Reviews by Open-Xchange and Dovecot available

