

Dr. Bott EARS

Email Archiving and Retrieval System



EARS: The Blackbox for your email traffic!

Despite legal obligations archiving emails is a topic frequently stuck in low priority. How about an email archive that is intuitive, automatic, safe and downright useful?

General

EARS stands for simple and noiseless archival of all your incoming and outgoing emails. Administrative burden is at a minimum. Once configured EARS runs on its own, like with an anti-skid system in your car: You'll only notice EARS when you really need it.

The system is designed for 1 to 30 users and it is platform-independent. An intuitive web interface helps you through the configuration. Fanless construction allows you to place EARS even in the quietest offices.

EARS eliminates the issue of deleted emails, be they intentional or accidental, once and for all. This is accomplished without you needing to change any of your habits at all!

Integration

EARS can be configured as incoming and outgoing SMTP server, archiving all mails that pass through. Alternatively EARS can also act as a POP3 client that fetches and archives mail from individual or domainwide POP3 accounts (Multidrop, Catchall Account).

Archiving and Searching

Access to the EARS archive follows proven standards: Choose between a webmail interface or access using an IMAP mail client. In your email client you just configure your archive as another email account – it doesn't get any easier than that!

Data protection

All email is encrypted. In the highest security setting the system can only be started after entering the master password that is also used to encrypt all the data. This perfectly prevents unauthorized access – even in the event of hardware theft or loss!

Access to the archive can be SSL-encrypted. A public certificate can be uploaded or you can generate a private certificate for internal use.

Backups are made to an external USB 2.0 hard disk or to a remote FTP server. All backup files are safely encrypted so everything stays fully confidential.

Hardware

The hardware has been built to minimize downtime. The system is completely fanless, eliminating noise and downtime from defective fans.

EARS makes use of its three network ports which are protected by an integrated firewall. The LAN port makes the connection to the local network. A second WAN port may be configured for direct communication with the Internet.

The third port is exclusively for "Emergency Configuration". It has a fixed IP address and an active DHCP server that allow access to the system at all times. This makes it impossible to lock yourself out!

Software functions:

- Unlimited mail accounts
- Supports SMTP-, POP3- and IMAP-compatible mailservers
- Integrated SMTP server
- Multidomain-capable
- Email-Alias management
- Archive access via IMAP client or web interface
- iPhone Push-Mail compatible
- Comprehensive Search
- Single Instance Storage (identical mail stored once only)
- Hardware-accelerated AES-encryption for all emails
- Email archive signed digitally
- Archive presentation in chronological hierarchy
- Repeat delivery of archived mail via web interface
- Archived email can be retrieved easily with any IMAP client
- Powerful search functions allow search for name of attachments
- Manual additions to archive via IMAP client (drop box)
- AES encrypted backups via USB or FTP
- Spamfilter
- Virusfilter
- NTP client

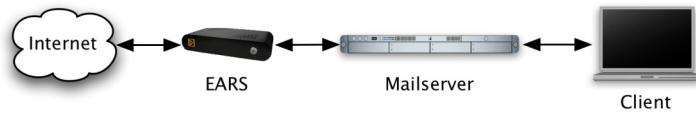
Hardware setup:



- 1GHz VIA chipset
- 3x Gigabit Ethernet
- 2x High Speed USB 2
- 512 MB RAM
- 2 GB flash drive capacity
- 128 GB SATA and up

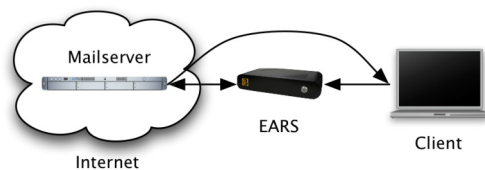
Subject to change. Status of 5/2009

Integrating EARS into an existing mailserver architecture (SMTP)



In setups with an own mailserver architecture integration is quick and easy. EARS is entered into the "MX record" of your Internet domain, receiving and automatically archiving all incoming mail. Mail is passed on to the existing mailserver, optionally filtered for Spam and Viruses. The existing mailserver is configured to send all outgoing mail to EARS for automatic archival before sending them to their destination.

Integrating EARS with an external mailserver (POP/IMAP & SMTP)



For external mailservers EARS retrieves messages in parallel with users from the mailserver. In this configuration users may not delete mail after retrieving it. For outgoing mail EARS replaces the existing SMTP server, archiving all outgoing messages before sending them to their destination.

Search and Retrieve

The EARS archive mimics an IMAP server. You can search the archive with any client that is IMAP-compliant. Access to email is secured by individual login so even the Admin cannot read mail of individual users without knowing their name and password. For quick access users can pass via the web interface without even touching the setup of their email client.

Server-side searches offer superior performance to IMAP clients (e.g. Mulberry: free email client for Mac, Win and Linux that supports server-side searches). Mails are archived chronologically by date of receipt. The archive is categorized into yearly, quarterly and monthly sections that appear as preconfigured IMAP folders on the server.

User Management

Restricting the visibility of messages to their recipients requires EARS to be set up with all users. Messages are archived and enabled for access by their recipient, whether they are directly addressed or on the cc: or bcc: lists. EARS takes care of only storing a message once, even if it is addressed to multiple users.

Older messages can be imported into the archive via a special IMAP folder that acts as a drop box. All messages that are dropped onto this folder are added to the archive and only made available to the user who has archived them.

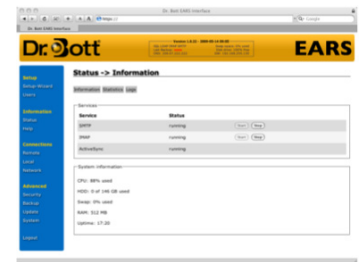
Pushmail Service for iPhone

EARS also offers a Pushmail Service for iPhone and iPod touch users. If your current provider doesn't do so already, you can let EARS push your mail to your iPhone, eliminating the wait!

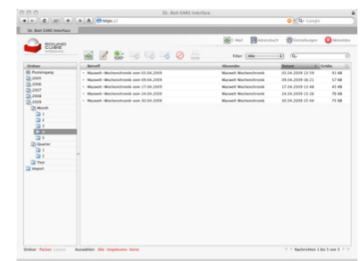
Backing up your Archive

Even Archives require a Backup: EARS lets you duplicate your Archive to an external USB hard disk drive or to an FTP server of your choice, painlessly building an offsite copy as part of your disaster plan. Backups are AES-encrypted so your messages remain confidential even in the event of data theft or hardware theft!

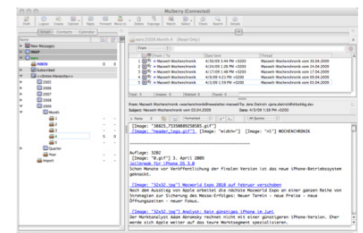
EARS Admin (Status):



EARS Search (web interface):



EARS Retrieval (IMAP):



EARS Configurations:



- EARS 160 HD
- EARS 500 HD
- EARS 128 SSD

12 months of Updates & Standard Support included

128 GB hold ca. 50 GB of mail in the Unix mbox format.

Assuming 10.000 messages of 300 kB each per year this corresponds to an archive capacity of more than 10 years.