

# Fedora and pam\_mapi



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# Foundations of Fedora

Fedora's 4 core values:

- ▶ Freedom
- ▶ Friends
- ▶ Features
- ▶ First



# Fedora vs. RHEL

- ▶ Free available
- ▶ Short release cycle: 6 months
- ▶ Latest software
- ▶ 13 month support and product life time
- ▶ Free support by the community
- ▶ Early adopters
- ▶ Subscription
- ▶ Long release cycle: 2-3 years
- ▶ Stable software
- ▶ 10-13 years support and product life time
- ▶ Support contract with Red Hat®
- ▶ Business customers



# How does Fedora contribute?

- ▶ Builds on less common hardware architectures  
32/64 Bit PowerPC, ARM v5/v7, 31/64 Bit zSeries
- ▶ Development of SELinux policy for Zarafa  
Available in Fedora 16 and 17, RHEL 5.8+ and 6.2+
- ▶ Rebuilds using always latest software versions  
GCC 4.7, GLIBC 2.15, MySQL 5.5.24, PHP 5.4.4,  
CLucene 0.9.21b, Boost 1.48.0, Kyoto Cabinet 1.2.70



# More invisible contributions

- ▶ Getting libvmime and libical patches upstream  
Fedora avoids to include patches downstream only
- ▶ Inclusion of libical bug fixes into RHEL 6.3  
Zarafa in EPEL for RHEL depends on libical in RHEL
- ▶ Patches or patch suggestions for build failures  
Conditional Zarafa Indexer at buildtime for Zarafa 7.1,  
timezone configuration in WebAccess 7.0/Z-Push 2.0
- ▶ Community testing, feedback and QA



# Future of Zarafa in Fedora

- ▶ RPM packaging of the Zarafa WebApp
- ▶ SELinux policy work for Zarafa 7.1/Z-Push 2.0
- ▶ Solve still existing CLucene build failures
- ▶ Rewrite of the initscripts for systemd support
- ▶ Building of Zarafa for RHEL 7 (ca. Q3/2013)



# What is pam\_mapi?

- ▶ *Zarafa Ready* add-on for **Pluggable Authentication Modules**

PAM provides an interface library for central authentication services for Linux



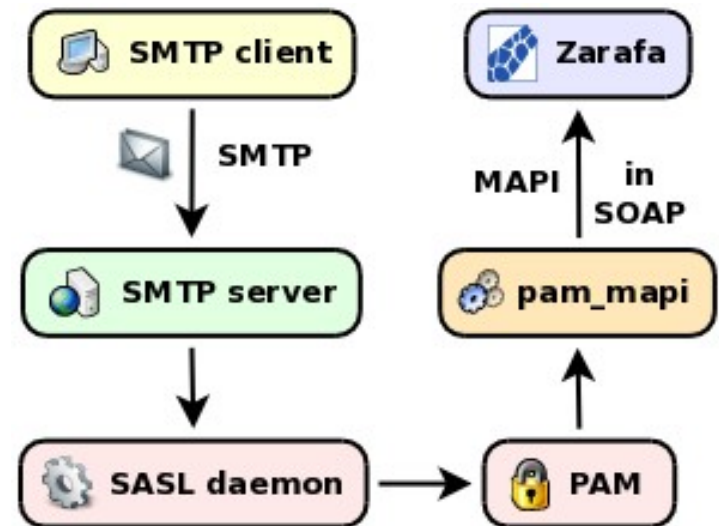
- ▶ Authentication via MAPI against Zarafa server  
Usable by every PAM enabled service or software
- ▶ Primarily developed for Zarafa DB user plugin  
PAM covers Unix and LDAP backends by default





# How does pam\_mapi work?

- ▶ Typical integration: Non-MAPI enabled e-mail parts for outbound mail relaying
- ▶ PAM enabled MTA/SASL daemon verifies the user authentication via Zarafa
- ▶ Configuration allows to cover setups where Linux system and Zarafa users could exist



# How to use pam\_mapi?

- ▶ Install development packages of Zarafa as well as PAM, libuuid, zlib and libicu as prerequisites
- ▶ Run `./configure; make; make install`
- ▶ Execute `cp pam.conf /etc/pam.d/smtpp` to cover simple setups with Zarafa users only
- ▶ Packaged and maintained as RPM in Fedora and EPEL (for RHEL) for latest Zarafa version



# Possible future of pam\_mapi

- ▶ RPM and DEB packages for different Zarafa versions, Linux distributions and architectures
- ▶ Extended documentation including more PAM configuration examples for more non-standard situations
- ▶ Maybe the implementation of your idea, wish or suggestion – patches are always welcome



# Questions?



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# Thank you!

<http://fedoraproject.org/wiki/Zarafa>