



Flexible Certificate Authorities using OpenXPKI

a lightning talk @ metarheinmain chaosdays 101b

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Introduction into OpenXPKI

- [Open Source trust center software

- written in object-oriented Perl

- currently under heavy development

- successor/fork of OpenCA (probably dead)

- first (beta) release planned for October/November

OpenXPKI Features

— [What is possible?

— PKI realms / CA rollover support

— Hardware Security Modules / secret sharing

— different database backends

— different interfaces to talk to server

— Web

— CLI

— SCEP (pretty soon)

OpenXPKI Features (II)

— [More features ...

- I18N: interface and certificates in any (Unicode) language
- Workflow engine for flexible operations
 - predefined workflows for
 - CSRs, certificate issuance and CRLs
- soon to come:
 - self-service web application for token personalization
 - LDAP publication of both certificates and CRLs

The future of OpenXPKI

— [Lots of work and ideas left:

— Management system integration (Tivoli, nagios)

— Clustering support for > 500.000 certificates/day

— CMC – Certificate Management using CMS

— over COM: die Microsoft CA, die!

Hackers wanted!

- [New developers and users are always welcome

- Communication on mailing-lists:

- `openxpki-devel@lists.sourceforge.net`

- `openxpki-users@lists.sourceforge.net`

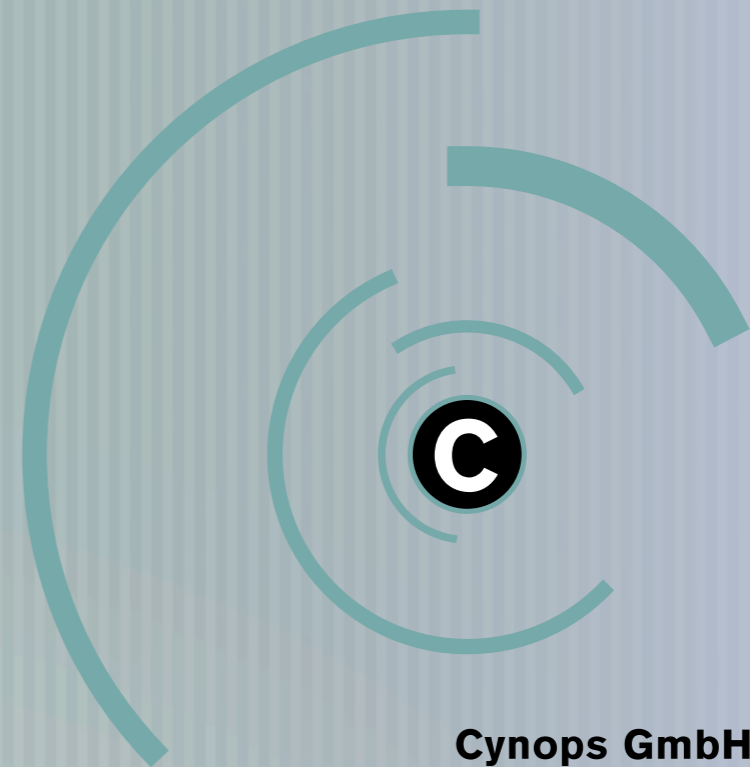
- Myself:

- `ak-mrmcd101b@cynops.de`

- More info at <http://www.openxpki.org>

Thanks for your
attention!

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