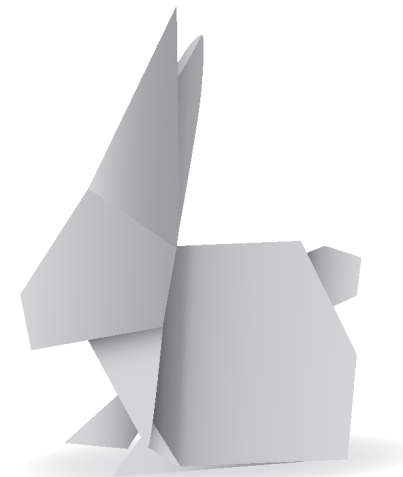




CA Software Comparison

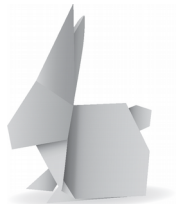


Oliver Welter, 2018/05

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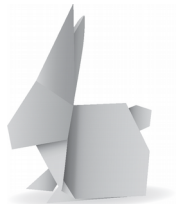
Agenda

- Competitors in the market
- What is “common standard”
- Distinguishing Features
- Advantages of OpenXPKI
- What OpenXPKI can't do
- Comparison



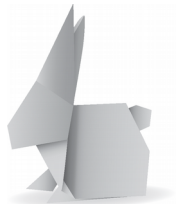
PKI Products in the Market

- EJBCA
- Microsoft Certificate Services
- Nexus CM / PRIME
- OpenXPKI
- *Cloudflare CFSSL (Rudimentary CA only)*



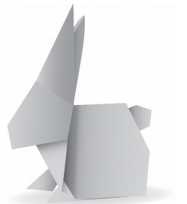
Common Standard

- Certificate profiles
- x509v3 extensions
- User interface for Humans and Machines
- SCEP (Simple Certificate Enrollment Protocol)



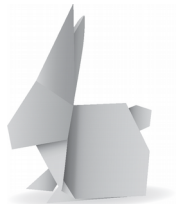
Distinguishing Features

- Business workflows
- Flexible approval process
- Connecting with external data sources
- Native windows client enrollment



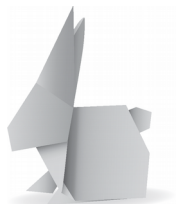
OpenXPKI Limitations

- Microsoft client enrollment (supported via 3rd party product)
- only a “semi-tamper-proof” audit log
- no protection against fraudulent “root”
- CMC (RFC 6402) / CMP / KMIP / XKMS
- Certificate Transparency (just not implemented yet)

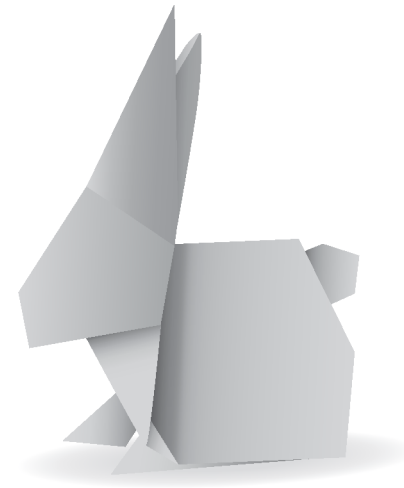


OpenXPKI Advantages

- Highly customizable workflow engine
- Easy extension of existing APIs with custom modules
- Rollover of CA Generations is “designed in”
- Attach external datasources with the blink of an eye
- Lifecycle Management and reporting included
- OpenSource license, enterprise support available



Thank You!



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