

S/MIME Email Security in Roundcube

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Motivation

- PHP Roundcube plugin using OpenSSL
- Security via S/MIME 4.0
- End-to-end encryption
- Hierarchical certificate store
- Real-time certificate validation

Principle

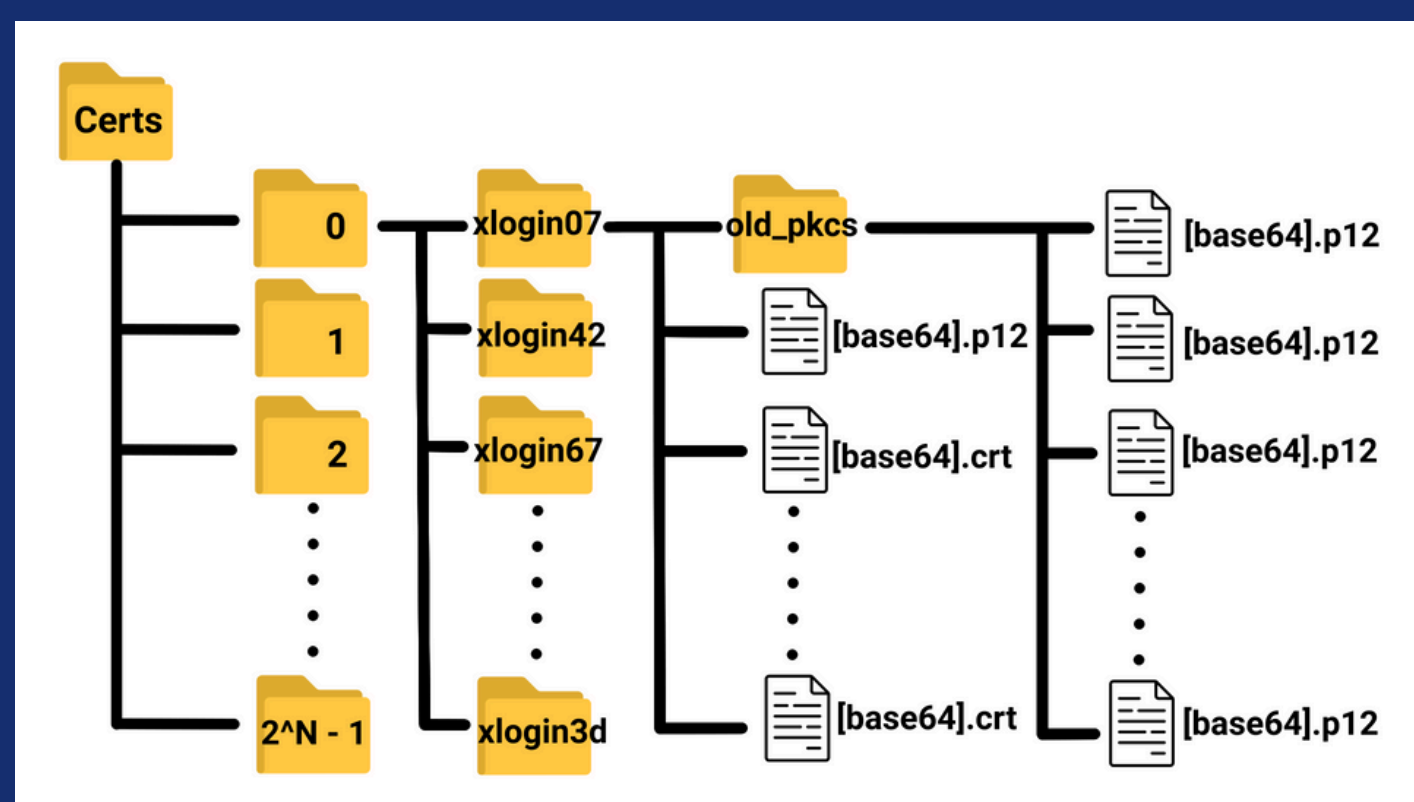
Digital signature



Encryption



Certificate store



Results

← Secured message

Encrypted

→ Decrypted

Decrypted