

E-Mail Security

Digital, electronic e-mail signatures and the encryption of e-mails can be used to increase security in the e-mail sector.

To be able to use these, a digital user certificate is required. During the creation process, a digital key pair is generated which is confirmed by a certification authority. This key pair consists of 2 parts, the private and the public key:

- Private key: This is password protected and always remains in the possession of the user.
- Public key: This is required by the communication partner and must be made known to them in some way.

Signing

Principle: You use your private key to sign your e-mail. The communication partner can then use your public key to check whether / that data is unchanged.

Encrypt

Principle: You encrypt your e-mail with the help of the communication partner's public key. The communication partner can then decrypt the e-mail using his private key. You must therefore first have the communication partner's public key for encryption.

Prerequisites

A basic prerequisite for use is the correct integration of the [certification authorities](#) in the operating system you are using and a valid digital [user certificate](#). Then configure the appropriate application software:

Seiten in diesem Namensraum:

A

- [Apple iOS/iPadOS - Mail](#)
- [Apple macOS - Mail](#)

G

- [Google Android](#)

L

- [Linux - Evolution](#)

M

- [Microsoft Outlook 2016/2019](#)

M (Fortsetzung)

- [Microsoft Outlook for Mac 2019](#)
- [Mozilla Thunderbird](#)

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