Workshop: Email-Verschlüsselung

Tagesordnungspunkte

- Begrüßung und Einführung
- Teilnehmer-Umfrage
- Thunderbird mit Enigmail / GPGP einrichten
- Schlüsselverwaltung
- Sicherung
- Mails schreiben, verschlüsseln und signieren, entschlüsseln und lesen
- Situationsabhängige Unterstützung individuell

  oder in kleinen Arbeitsgruppen, Demonstration

Workshop: Emailverschlüsselung

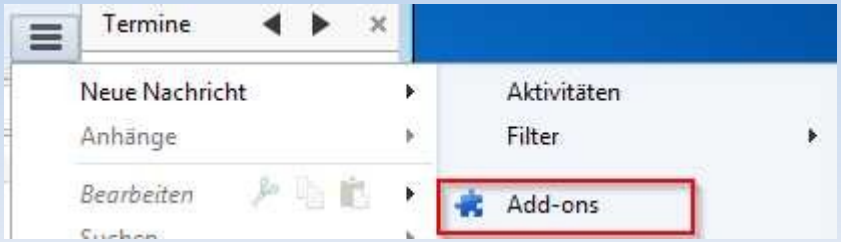
Grundlagen

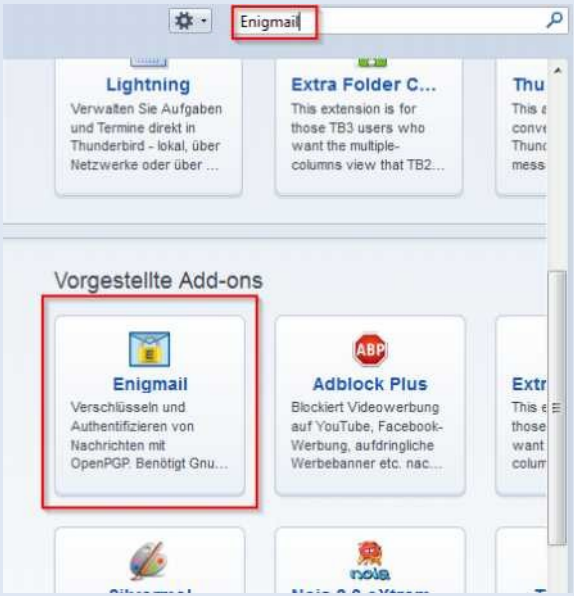
- Asymmetrische Verschlüsselung
- Public-Key-Verfahren
- Besteht aus einem privaten und einem öffentlichen Schlüssel
- Privater Schlüssel bleibt immer bei mir! (Sicherung!)
- Öffentlicher Schlüssel als Datei, auf Schlüsselserver oder Text
- Verschlüsselung mit öffentlichem Schlüssel
- Entschlüsselung mit privatem Schlüssel

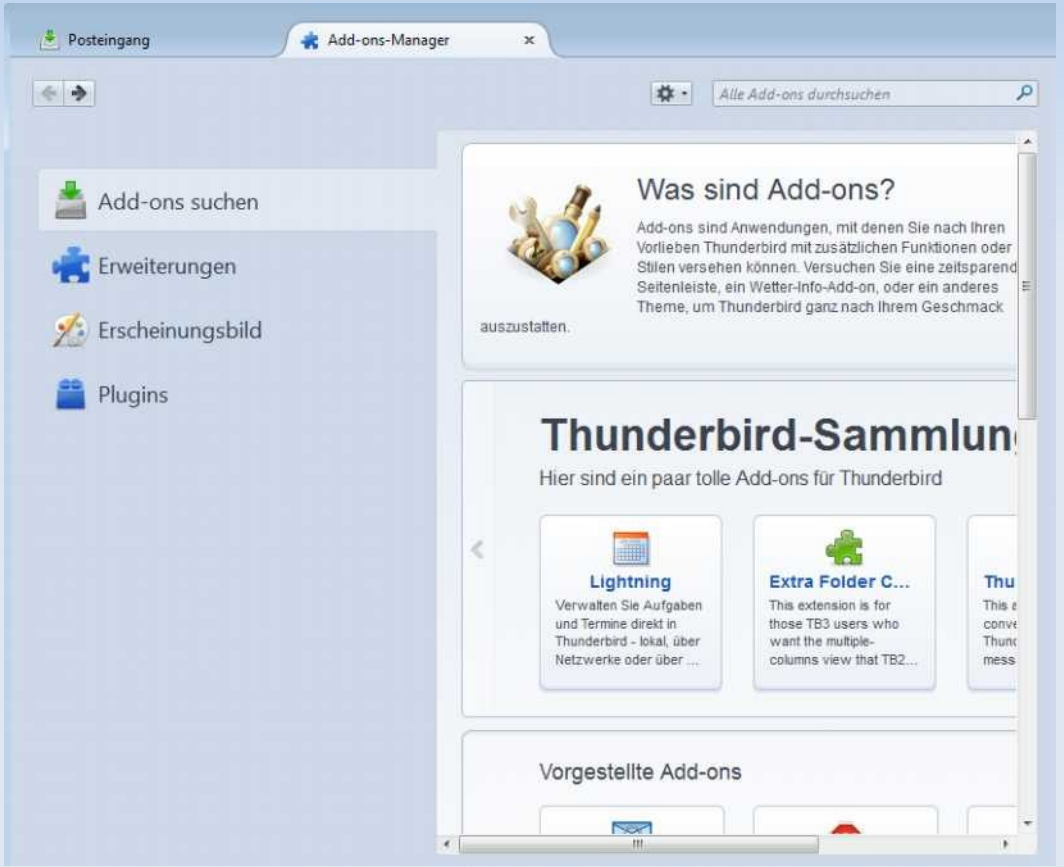
Workshop: Emailverschlüsselung

Installation

- Enigmail (Add-on)







Workshop: Emailverschlüsselung

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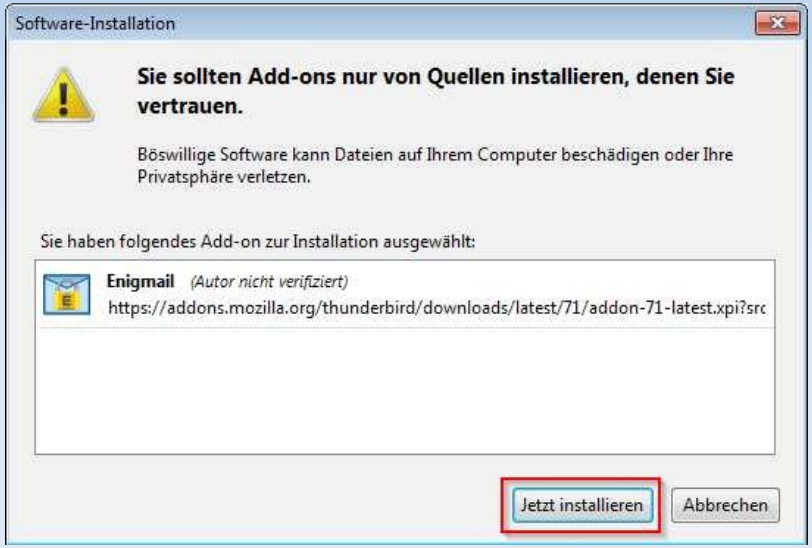
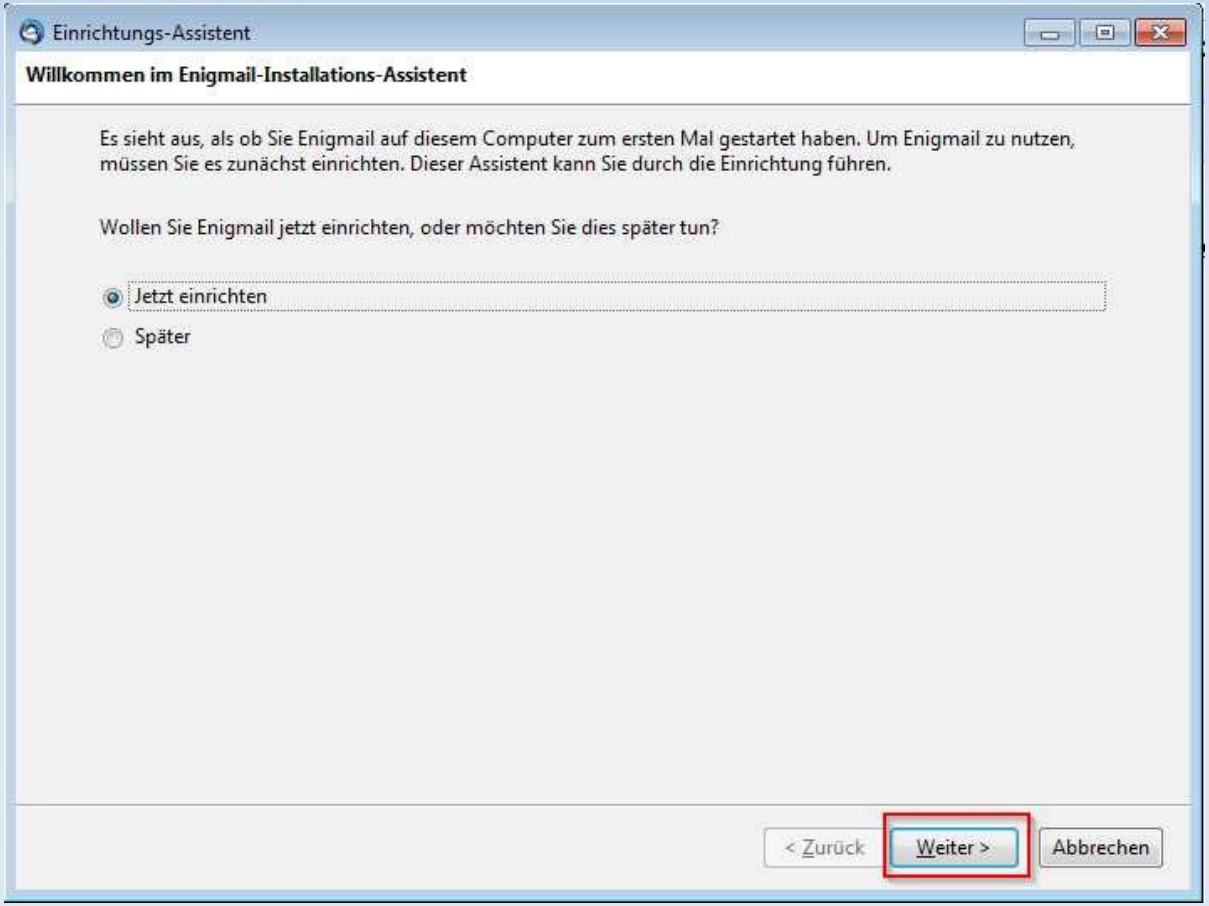


Workshop: Emailverschlüsselung

Einrichtungs-Assistent

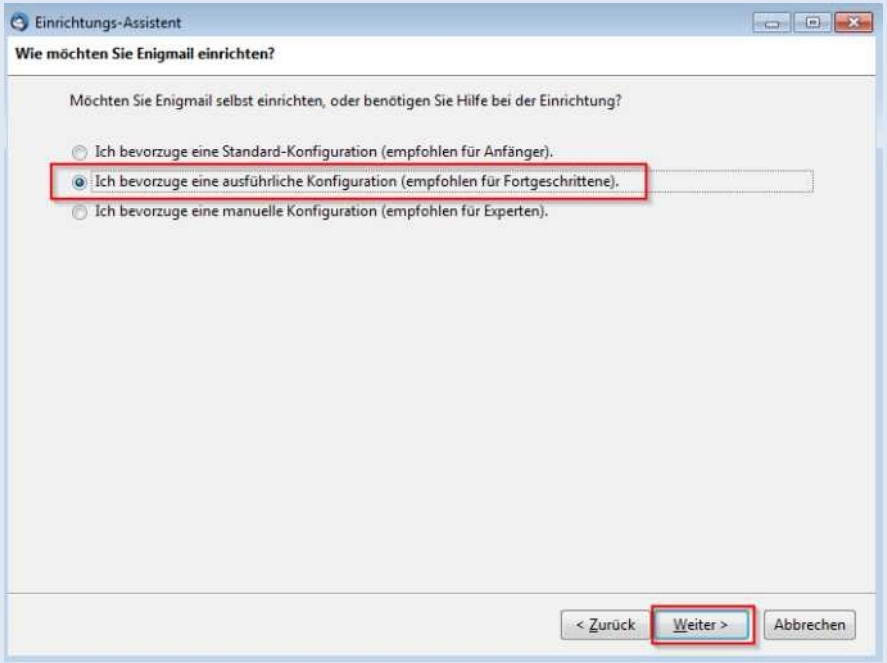
- Enigmail



Workshop: Emailverschlüsselung

Einrichtungs-Assistent

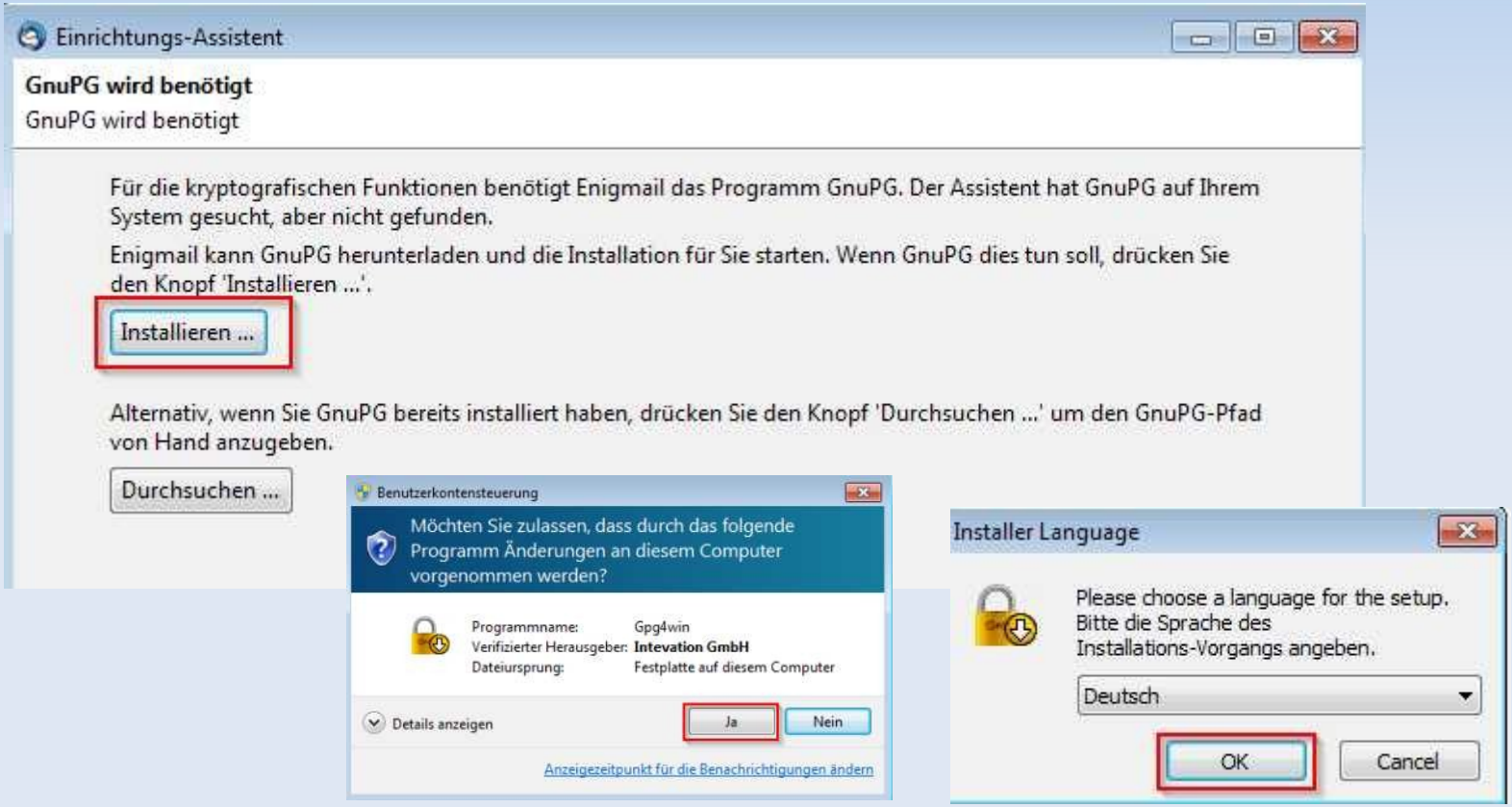
- Enigmail
- GnuPGP wird bei ausführen des Einrichtungs-Assistenten von Enigmail geprüft und selbständig heruntergeladen und installiert.



Workshop: Emailverschlüsselung

Einrichtungs-Assistent

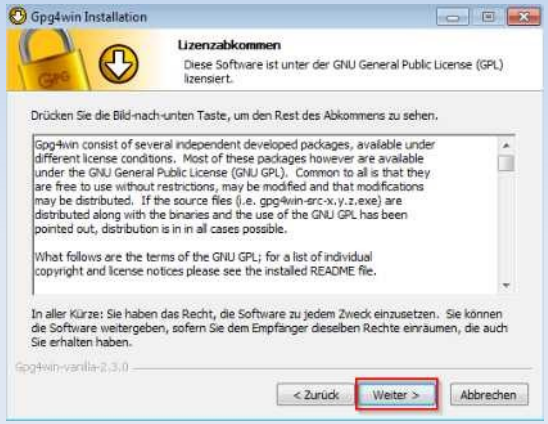
- GnuPG

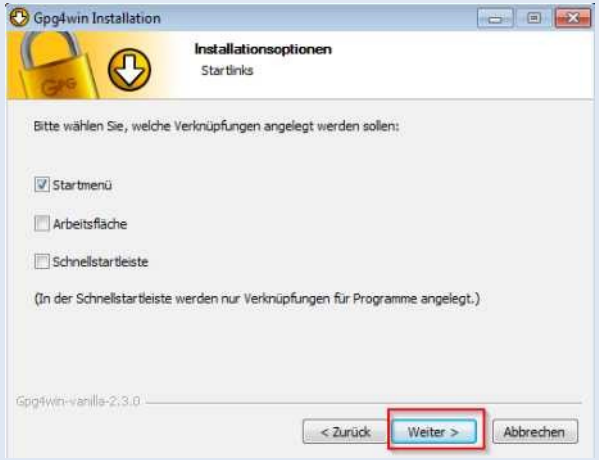


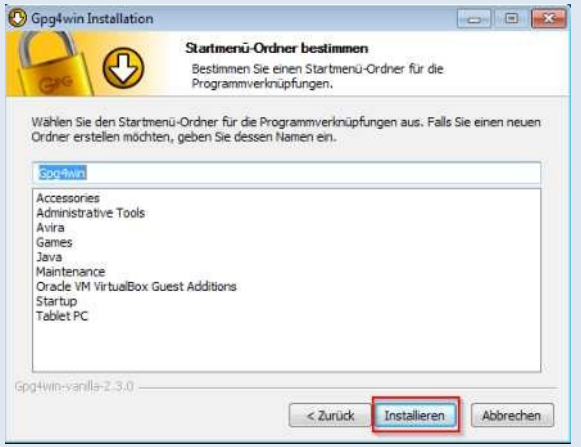
Workshop: Emailverschlüsselung

Einrichtungs-Assistent

- GnuPG



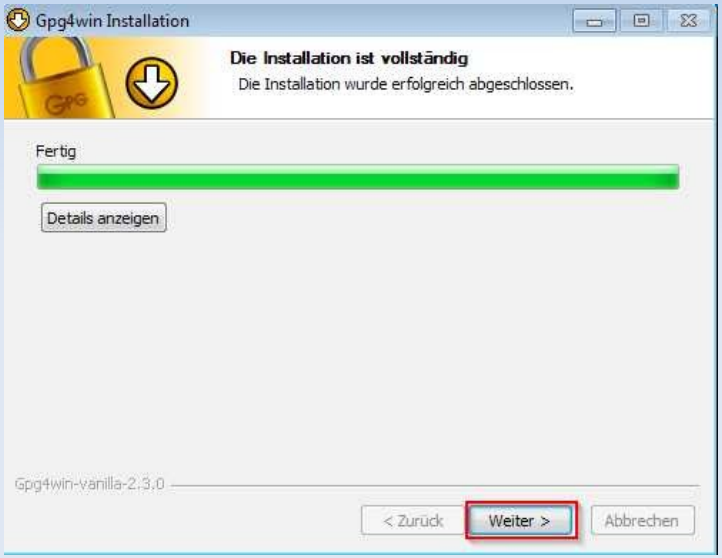




Workshop: Emailverschlüsselung

Einrichtungs-Assistent

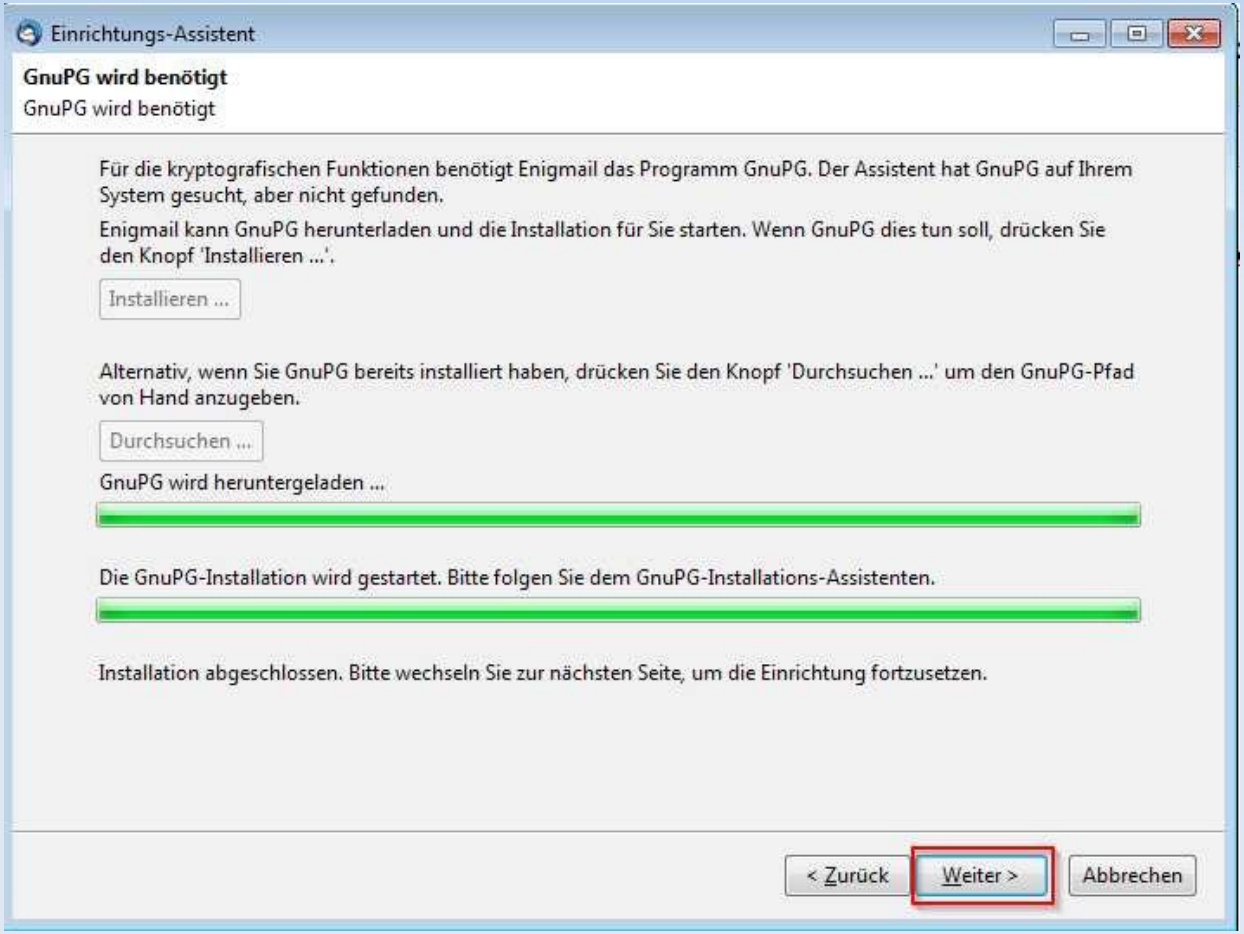
- GnuPG



Workshop: Emailverschlüsselung

Einrichtungs-Assistent

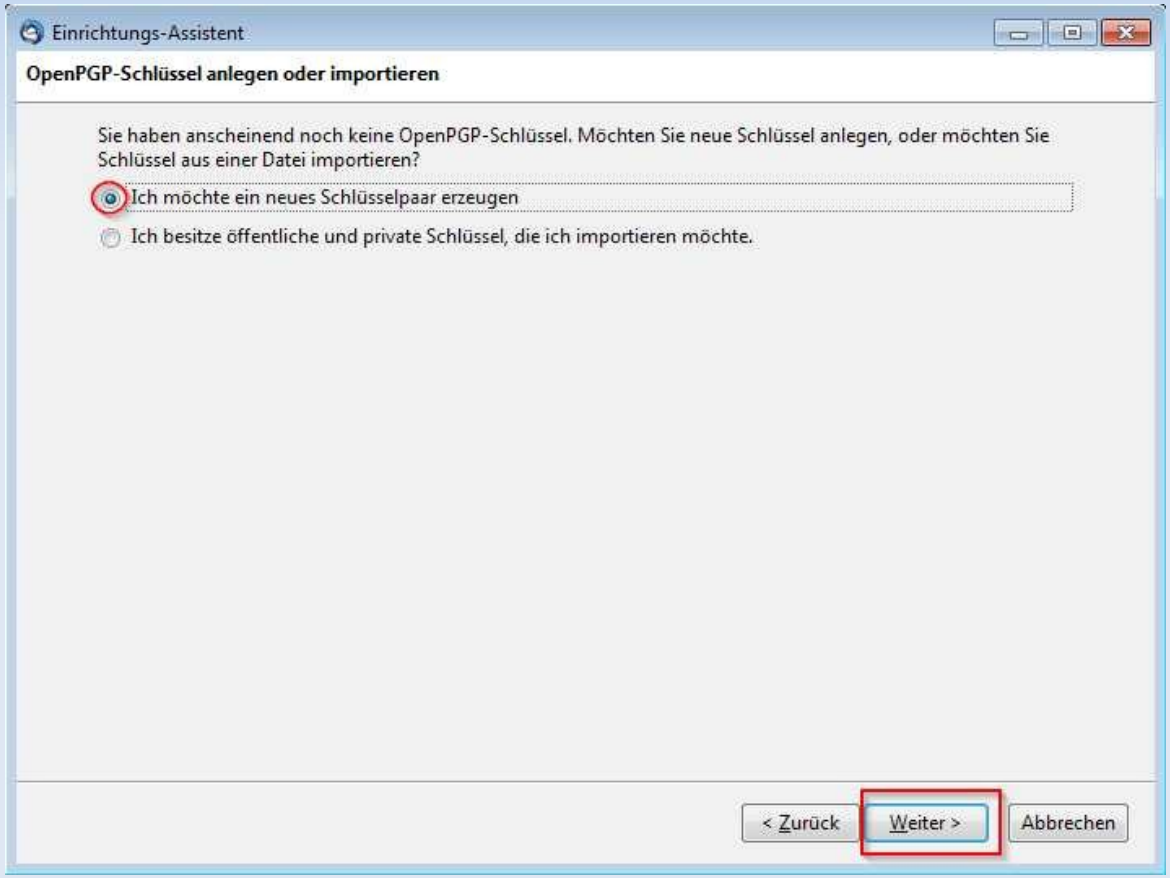
- Enigmail (Fortsetzung)



Workshop: Emailverschlüsselung

Einrichtungs-Assistent

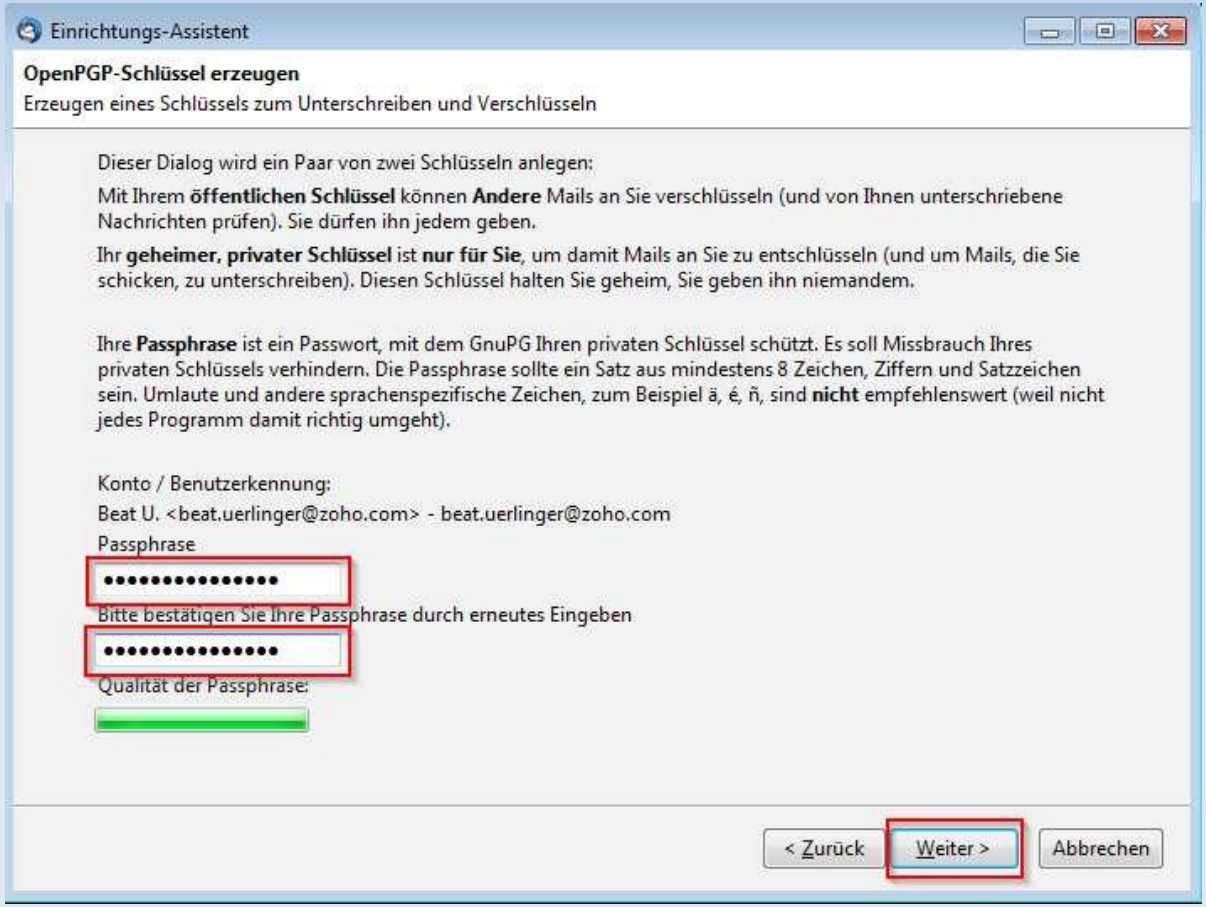
- Enigmail (Fortsetzung)



Workshop: Emailverschlüsselung

Einrichtungs-Assistent

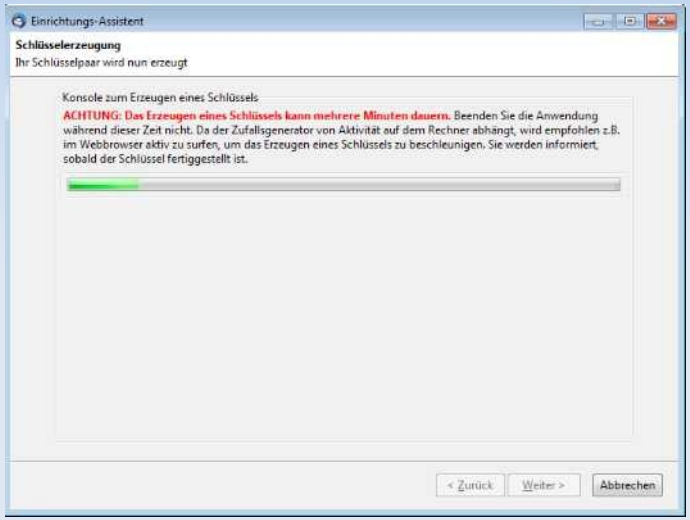
- Enigmail (Fortsetzung)

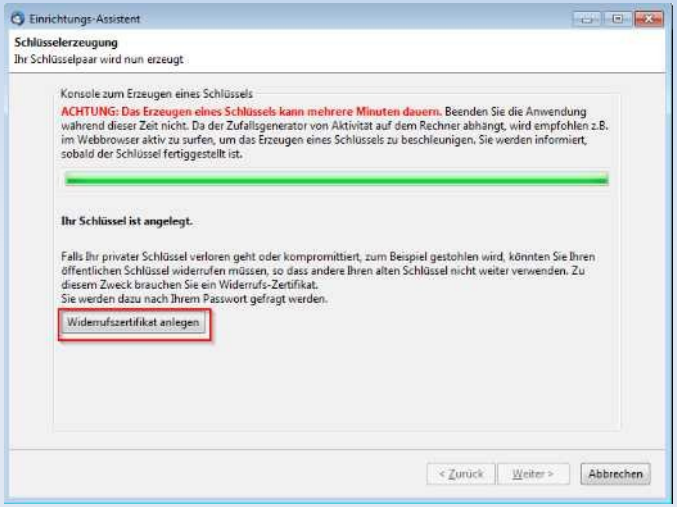


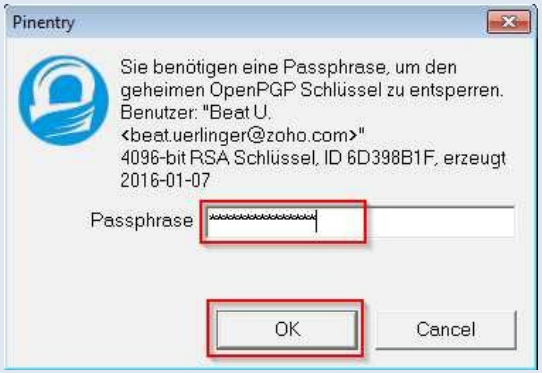
Workshop: Emailverschlüsselung

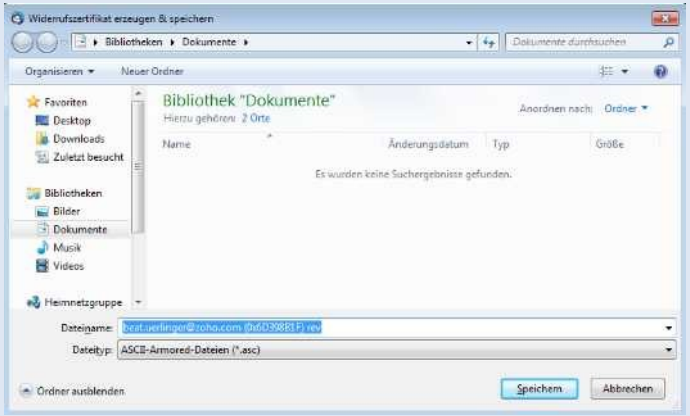
Einrichtungs-Assistent

- Enigmail (Fortsetzung)





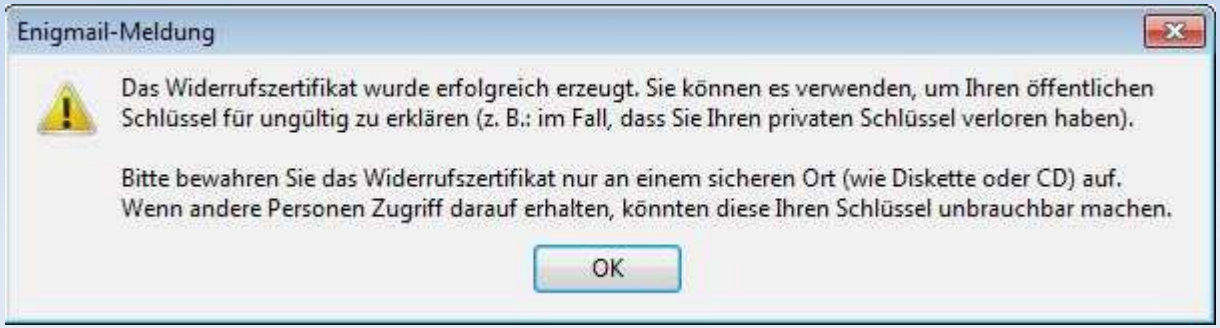


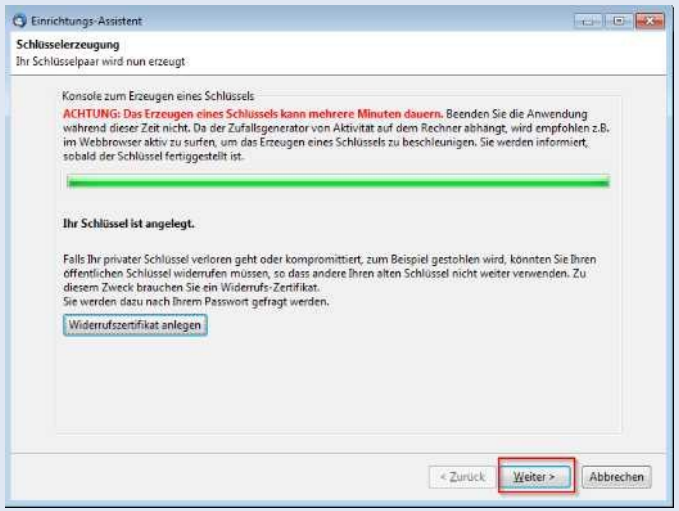


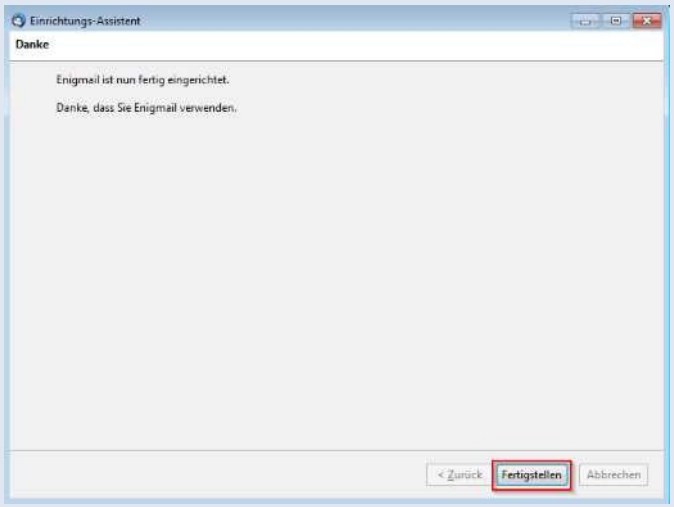
Workshop: Emailverschlüsselung

Einrichtungs-Assistent

- Enigmail (Fortsetzung)



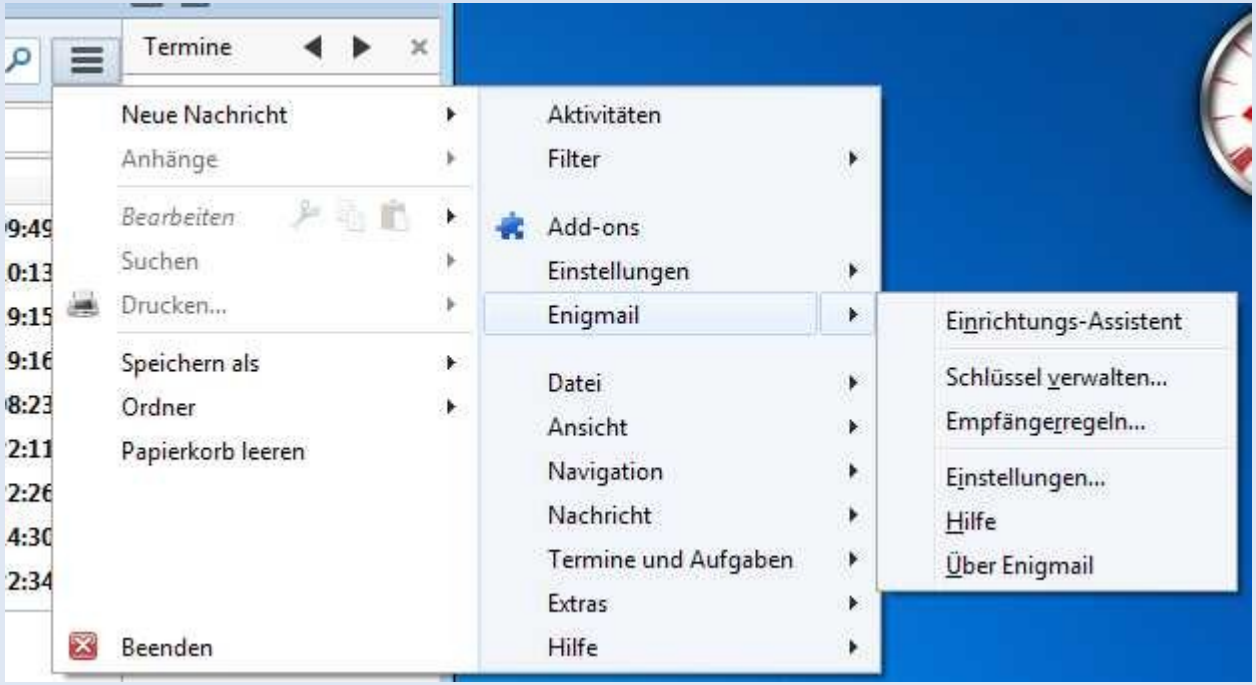




Workshop: Emailverschlüsselung

Installation

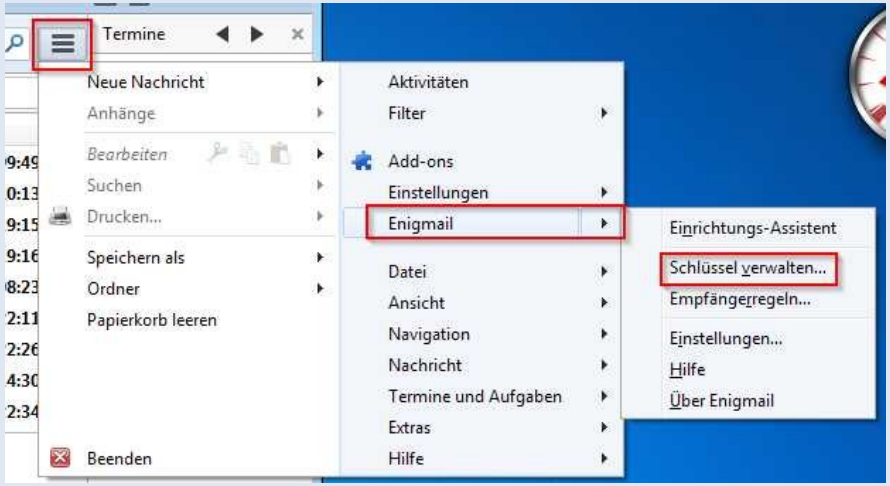
- Enigmail (Add-on) benutzen

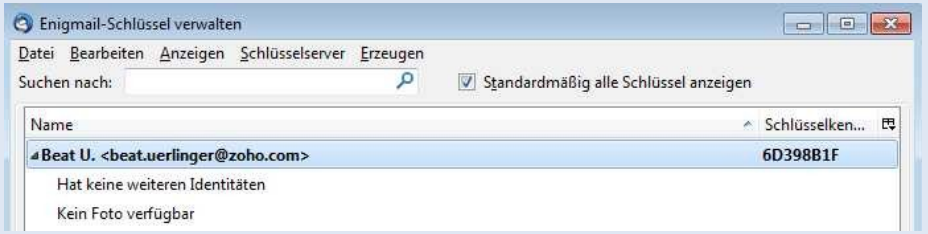


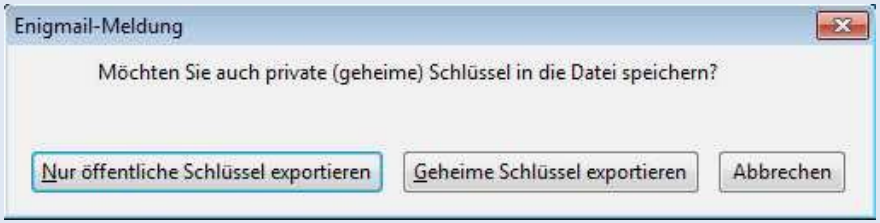
Workshop: Emailverschlüsselung

Schlüsselverwaltung

- Schlüssel importieren, exportieren, sichern
  - Fremde Schlüssel importieren
  - Eigenen Schlüssel exportieren oder sichern
  - Widerrufszertifikat erzeugen



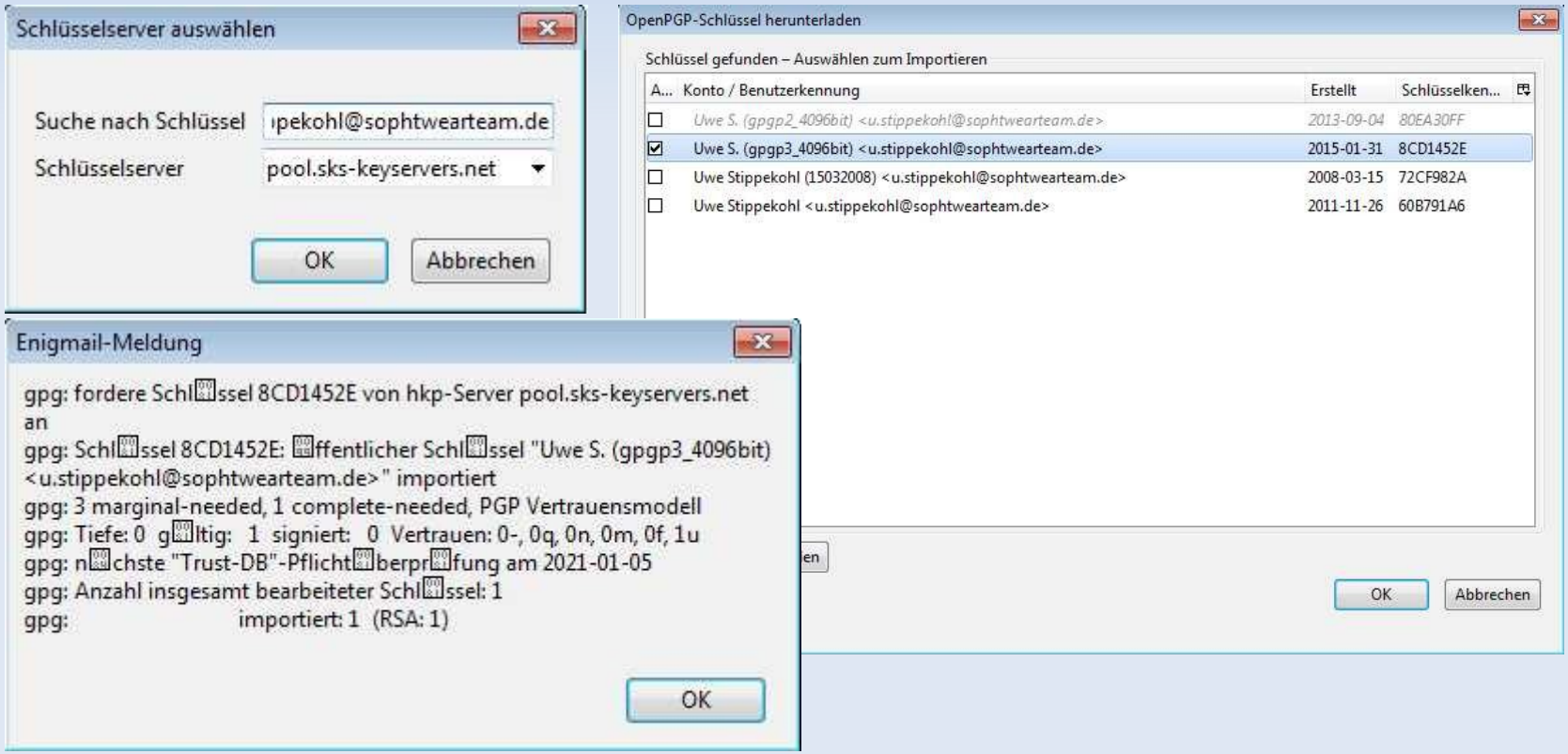




Workshop: Emailverschlüsselung

Schlüsselverwaltung

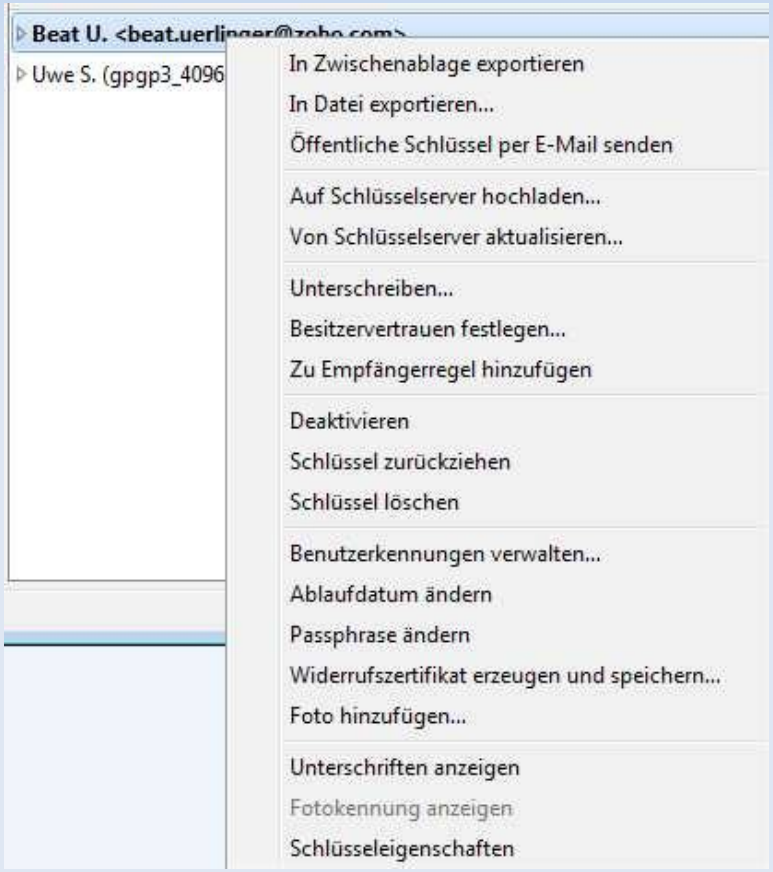
- Schlüssel importieren
  - Fremde Schlüssel importieren



Workshop: Emailverschlüsselung

Schlüsselverwaltung

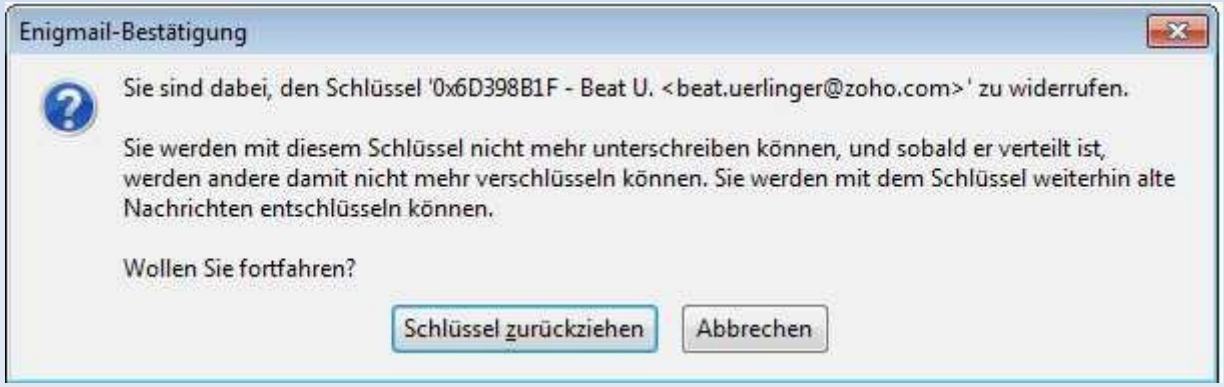
- Schlüssel exportieren
  - Eigenen Schlüssel exportieren oder sichern



Workshop: Emailverschlüsselung

Schlüsselverwaltung

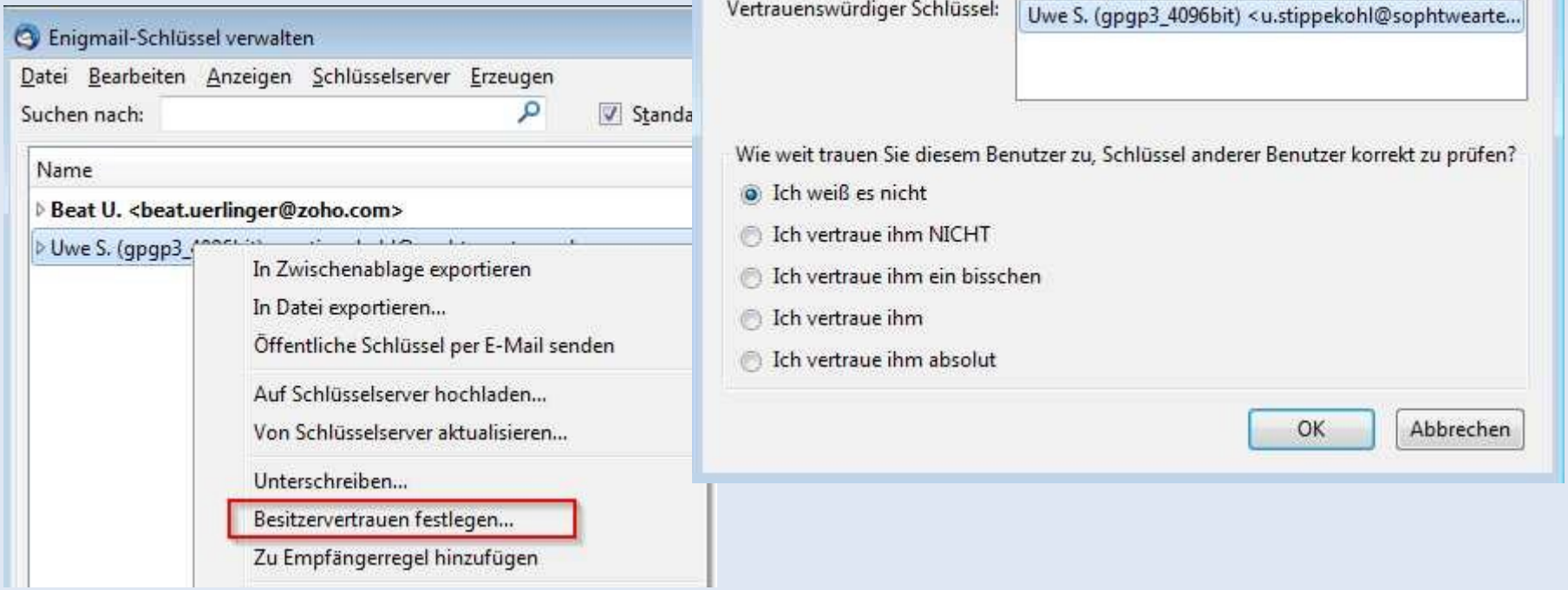
- Schlüssel importieren, exportieren, sichern
  - Widerrufszertifikat anwenden, Schlüssel zurückziehen



Workshop: Emailverschlüsselung

Schlüsselverwaltung

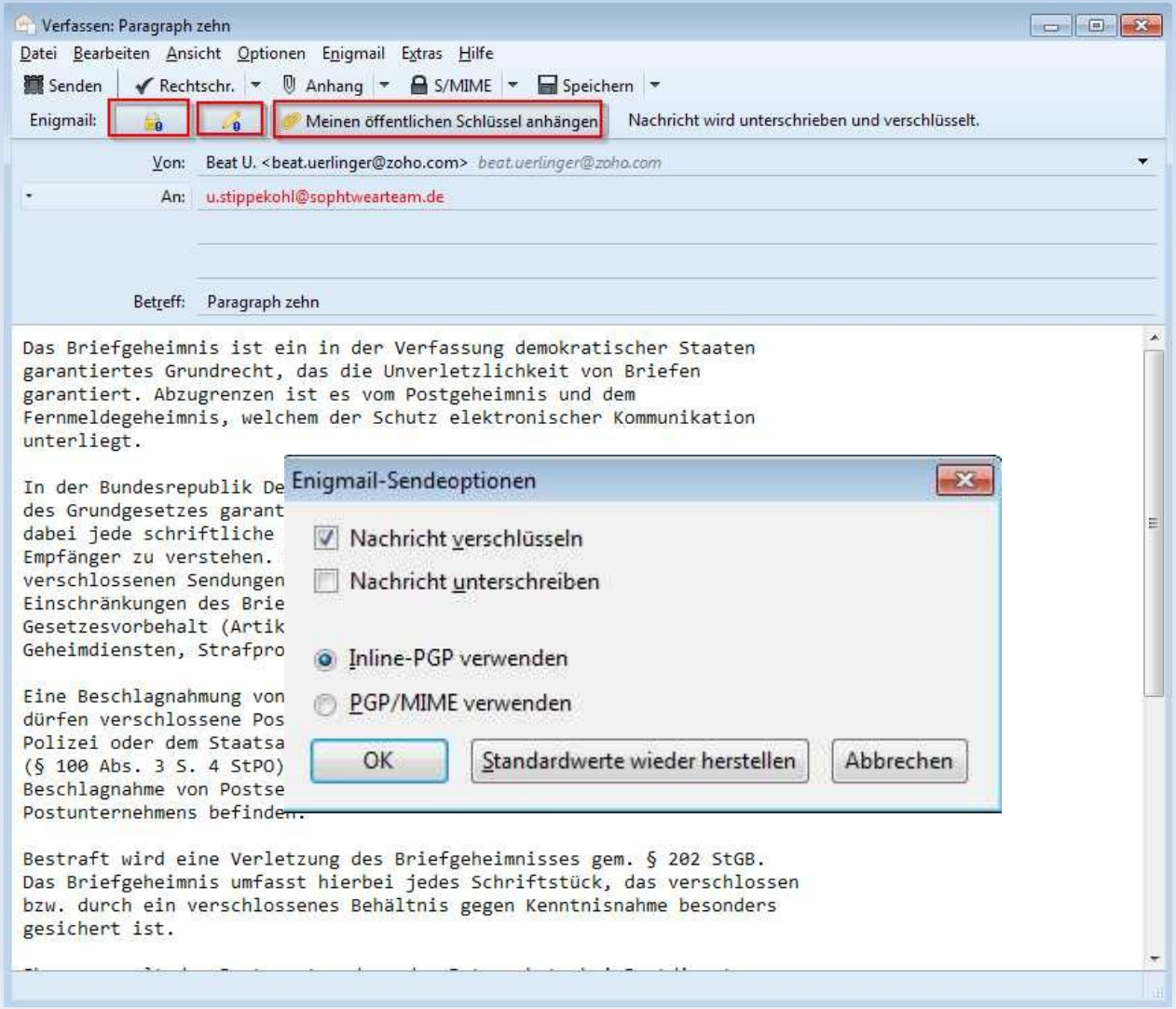
- Vertrauen festlegen
  - Unvertrauter Schlüssel
  - Volles Vertrauen



Workshop: Emailverschlüsselung

Anwendung

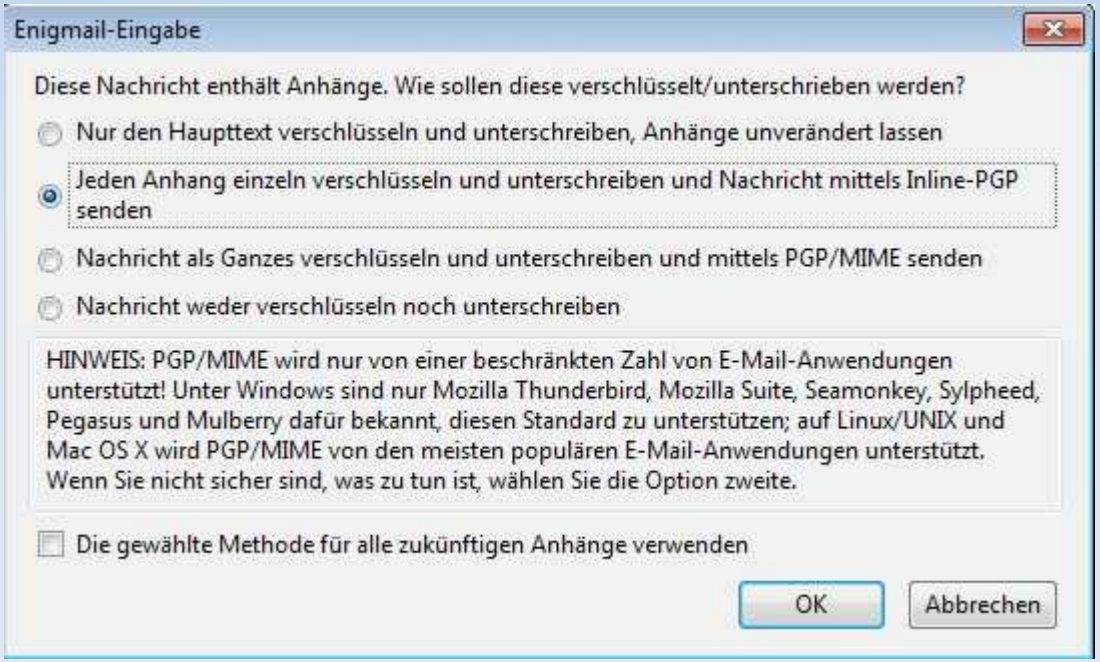
- Mail verschlüsseln



Workshop: Emailverschlüsselung

Anwendung

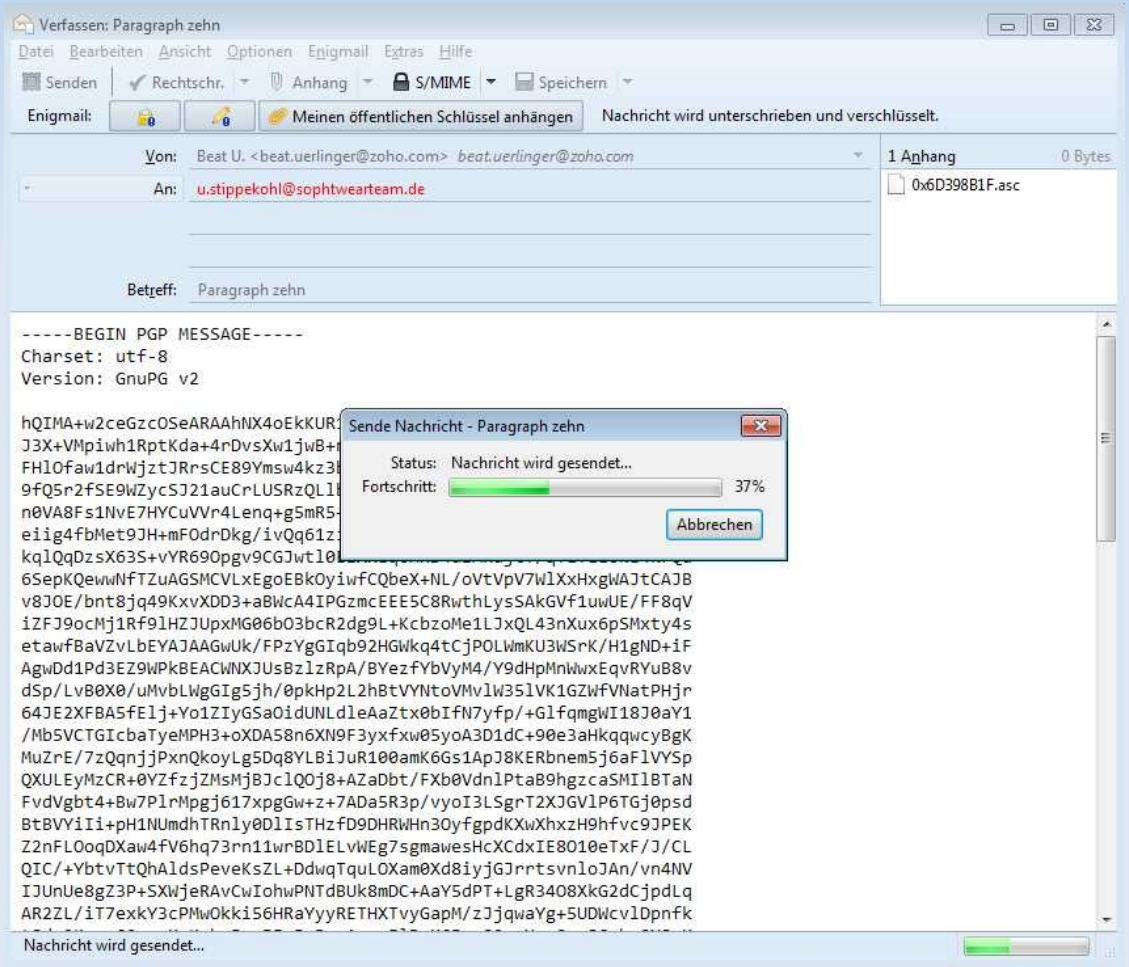
- Mail verschlüsseln



Workshop: Emailverschlüsselung

Anwendung

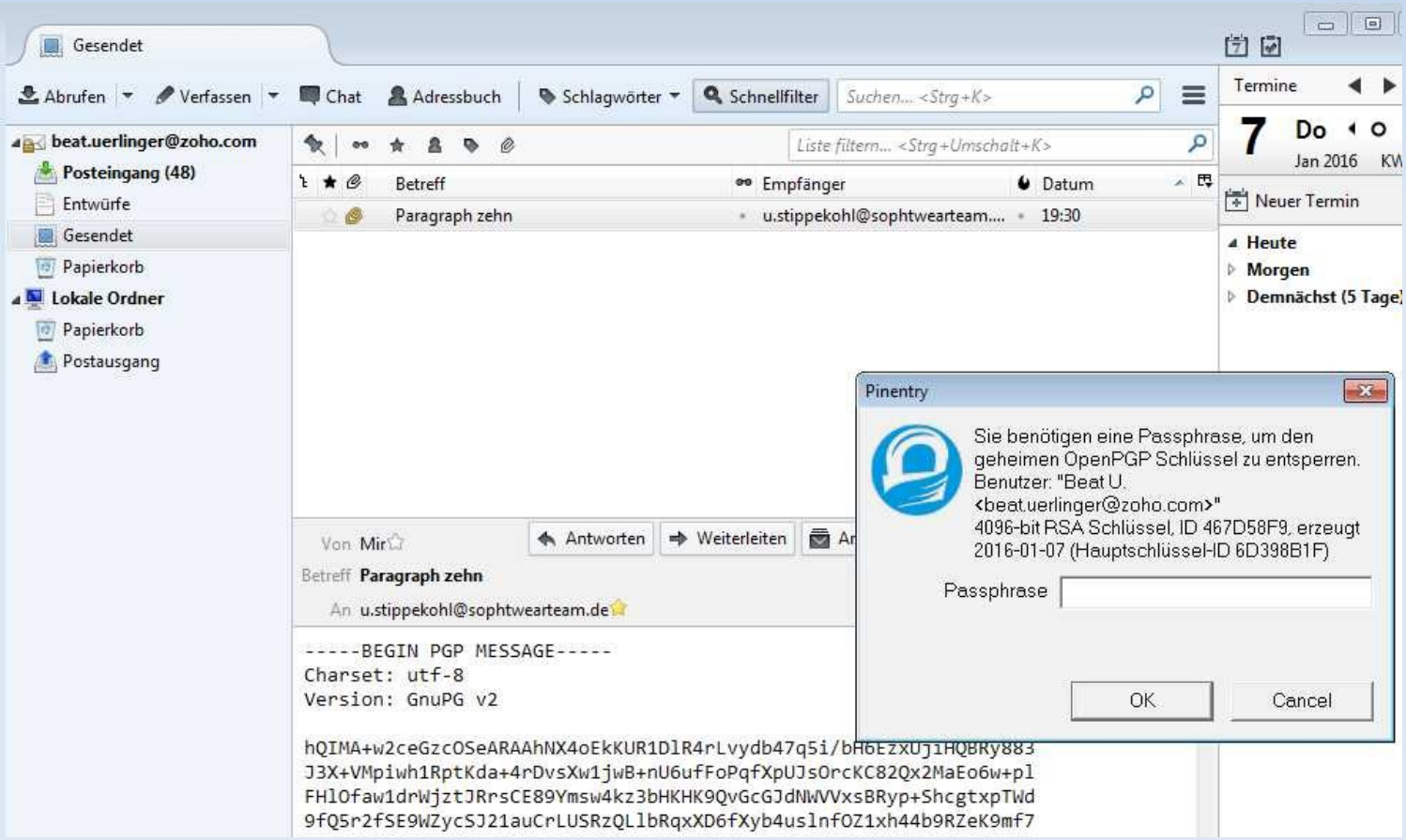
- Mail verschlüsseln



Workshop: Emailverschlüsselung

Anwendung

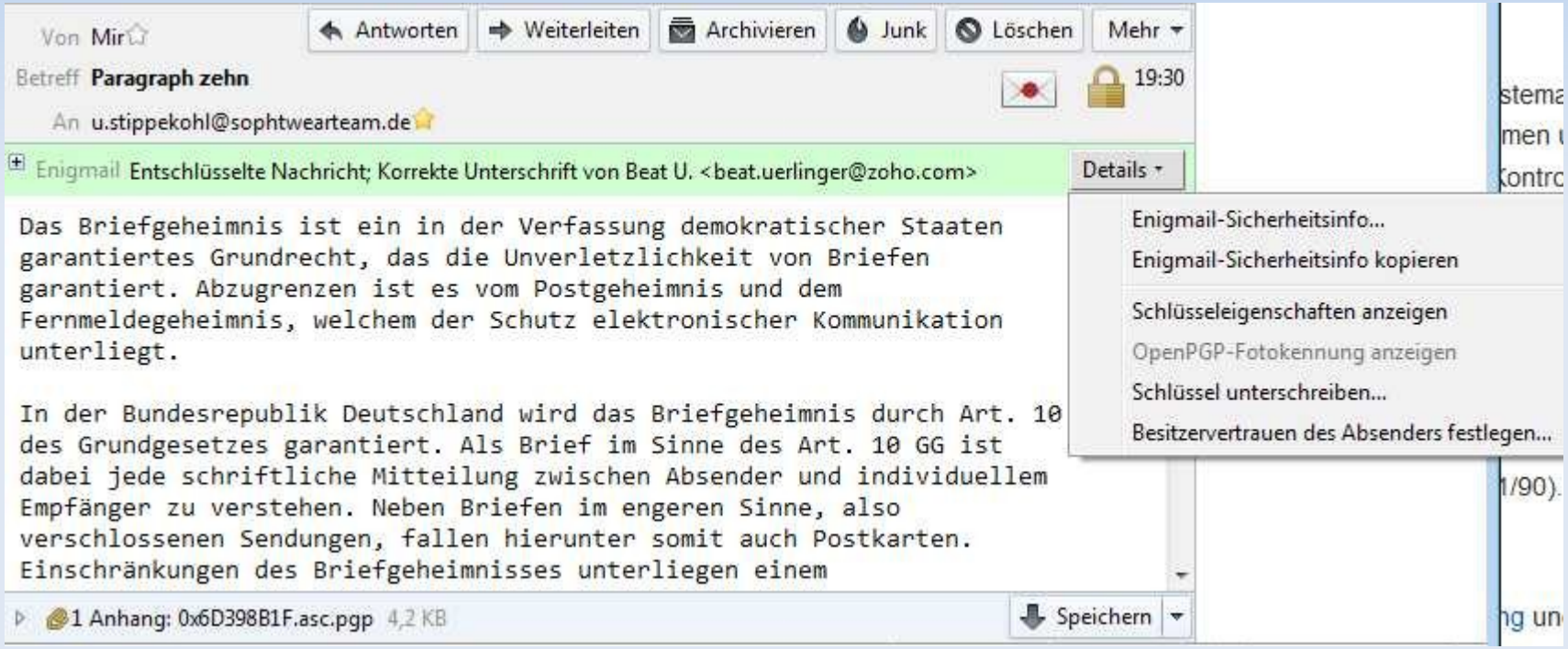
- Mail entschlüsseln



Workshop: Emailverschlüsselung

Anwendung

- Mail entschlüsseln



Workshop: Emailverschlüsselung

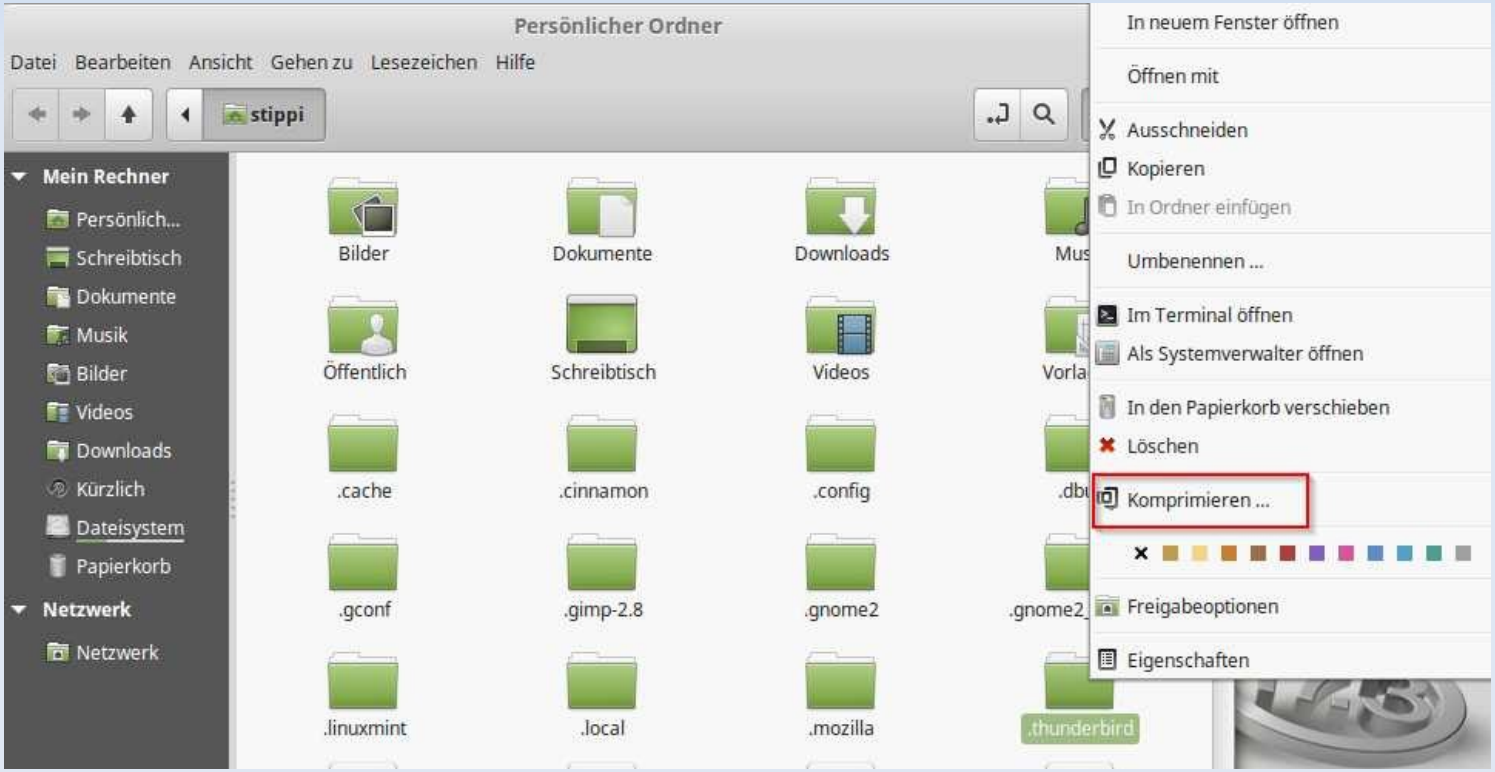
Datensicherung f. Thunderbird (Windows)

- Thunderbird beenden!
- Windows-Explorer öffnen

Workshop: Emailverschlüsselung

Datensicherung f. Thunderbird (LINUX)

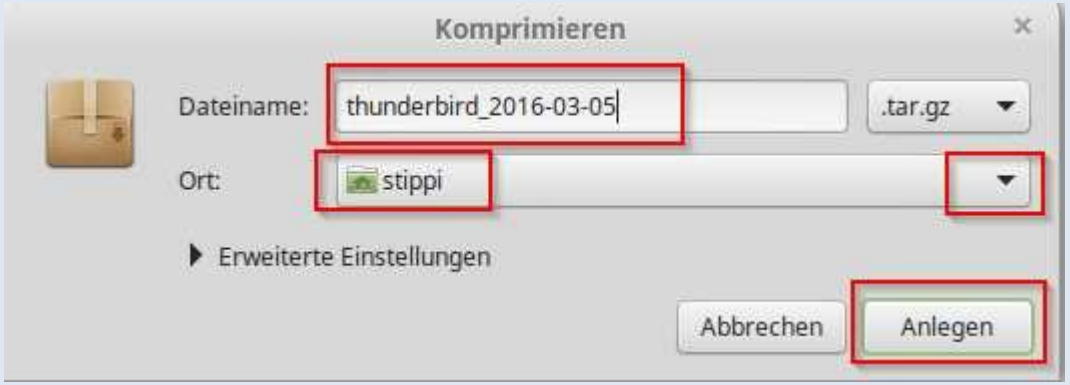
- Thunderbird beenden!
- Dateimanager (STRG +H), re. MT auf .thunderbird



Workshop: Emailverschlüsselung

Datensicherung f. Thunderbird (LINUX)

- Dateinamen vergeben (Wichtig!) führenden Punkt entfernen!
- Dateiendung wählen, Ort (Ordner) wählen (USB-Medium?)
- Am Ende STRG + H um wieder versteckte Dateien / Ordner zu verstecken



Workshop: Emailverschlüsselung

Quellen:

- https://www.thunderbird-mail.de/lexicon/entry/17-enigmail/
- http://www.kryptowissen.de/enigmail-thunderbird-windows-tutorial.html
- http://www.german-privacy-fund.de/tutorial-e-mails-verschlusseln-in-30-minuten-alternative-2/
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