

Progmair / GPG / Test

Alle eingehenden Mails sollen automatisiert verarbeitet werden.

LIVE: export Check Config oder State an Check Monitoring Sites

TEST: touch field with Date in File and Dir name

Die Dateien werden gpg verschlüsselte Anhänge haben. Um diese zu extrahieren verwende ich das Tool ripmime

GPG Initialisierung

<https://www.hauke-laging.de/sicherheit/openpgp.html>

```
root@vm-mail:~# gpg --full-generate-key
gpg (GnuPG) 2.2.27; Copyright (C) 2021 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Please select what kind of key you want:
(1) RSA and RSA (default)
(2) DSA and Elgamal
(3) DSA (sign only)
(4) RSA (sign only)
(14) Existing key from card
Your selection? 1
RSA keys may be between 1024 and 4096 bits long.
What keysize do you want? (3072)
Requested keysize is 3072 bits
Please specify how long the key should be valid.
    0 = key does not expire
    <n> = key expires in n days
    <n>w = key expires in n weeks
    <n>m = key expires in n months
    <n>y = key expires in n years
Key is valid for? (0) 0
Key does not expire at all
Is this correct? (y/N) y

GnuPG needs to construct a user ID to identify your key.

Real name: USRV-MAIL
Email address: admin@amrhein.info
Comment:
You selected this USER-ID:
    "USRV-MAIL <admin@amrhein.info>"

Change (N)ame, (C)omment, (E)mail or (O)kay/(Q)uit? o
```

Danach soll eine Passphrase eingegeben werden. Hier zum Test lasse ich das leer und bestätige das im nächsten Schritt. Die Aufforderung kommt 2x.

Please enter the passphrase to
protect your new key

Passphrase:

<OK>

<Cancel>

You have not entered a passphrase - this is in general a bad idea!
Please confirm that you do not want to have any protection on your key.

<Yes, protection is not needed>

<Enter new passphrase>

.procmailrc

Diese Datei steuert die procmail Verarbeitung.

Jedes Mail wird als Betreff haben "STATE <Chckmk Site name>"

Das das Regex Element nach 'V' füllt die Variable MATCH.

```
ORGMAIL=$HOME/Maildir
DEFAULT=$ORGMAIL
MAILDIR=$HOME/Maildir
VERBOSE=on
PMDIR=$HOME/.procmail
LOGFILE=$HOME/procmaillog
SHELL=/bin/bash
DATE=`date +%Y%m%d_%H-%M-%S`

SUBJECT=| formmail -xSubject:
DELIVERY=| formmail -xX-Delivery-Time:
DTIME=`echo $DELIVERY | date +%Y%m%d_%H-%M-%S`

:0
* ^Subject:.*STATE V.*
| mkdir -p $HOME/received/$MATCH/$DTIME && ripmime --overwrite --no-nameless -i - -d
$HOME/received/$MATCH/$DTIME/ && $HOME/extract $MATCH/$DTIME
```

TEST

zum Test nutze ich ein bashscript "sendstate". Die Verarbeitung das Skript "extract"

```
#!/bin/bash

sendPATH="$HOME/send"
mkdir -p $sendPATH

cd $sendPATH

touch state
tar czvf state.tgz state
```

```
gpg -e --batch --yes -r USRV2-MAIL -o state.gpg state.tgz
```

```
for s in site01 site02 site03 site04 site05 site06 site07 site08 site09 site10 site11 site12 site13 site14 site15  
site16 site17 site18 site19 site20  
do  
  echo "STATE $s" | mail -s "STATE $s" -A state.gpg -r gerald@amrhein.info admin@amrhein.info  
done
```

```
#!/bin/bash
```

```
recvPATH="$HOME/received/$1"
```

```
cd "$recvPATH"
```

```
gpg -d --batch --yes -r USRV2-MAIL state.gpg >state.tgz
```

```
tar xzvf state.tgz
```

```
myDATE=$(echo $(stat state -c %Z) | date +%Y%m%d_%H-%M-%S)
```

```
mv state ${myDATE}_state
```

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