

SSH

Wer ist das da vorne?

- **Martin Leyrer**
- IT Specialist aka. “Mädchen für Alles” bei einem int. IT-Dienstleister
- E-mail: leyrer@gmail.com
- Twitter: <http://www.twitter.com/leyrer>
- Facebook: <https://www.facebook.com/leyrer>
- Blog: <http://martin.leyrer.priv.at>
- LinkedIn: <http://at.linkedin.com/in/leyrer>
- Xing: www.xing.com/profile/Martin_Leyrer
- usw. ;)

Mehrfache Verbindungen

```
~/.ssh/config
```

```
ControlMaster auto
```

```
ControlPath /tmp/ssh_mux_  
%h_%p_%r
```

Managing Master Connections

Master Connection aktiv:

```
ssh -O check remote-host
```

Master Tag killen:

```
ssh -O exit remote-host
```

Dateien kopieren

- scp nutzt bestehende Verbindungen
- Bash kann remote tab completion bei installierter "Bash Completion"
- Verbindungen können auch mit rsync, git, und vielen anderen Tools geteilt werden

Verbindungen wiederholen

```
~/.ssh/config
```

```
ControlMaster auto
```

```
ControlPath /tmp/ssh_mux_  
%h_%p_%r
```

```
ControlPersist 4h
```

Keine Paßwörter

```
$ ssh-keygen
```

```
$ ssh-copy-id
```

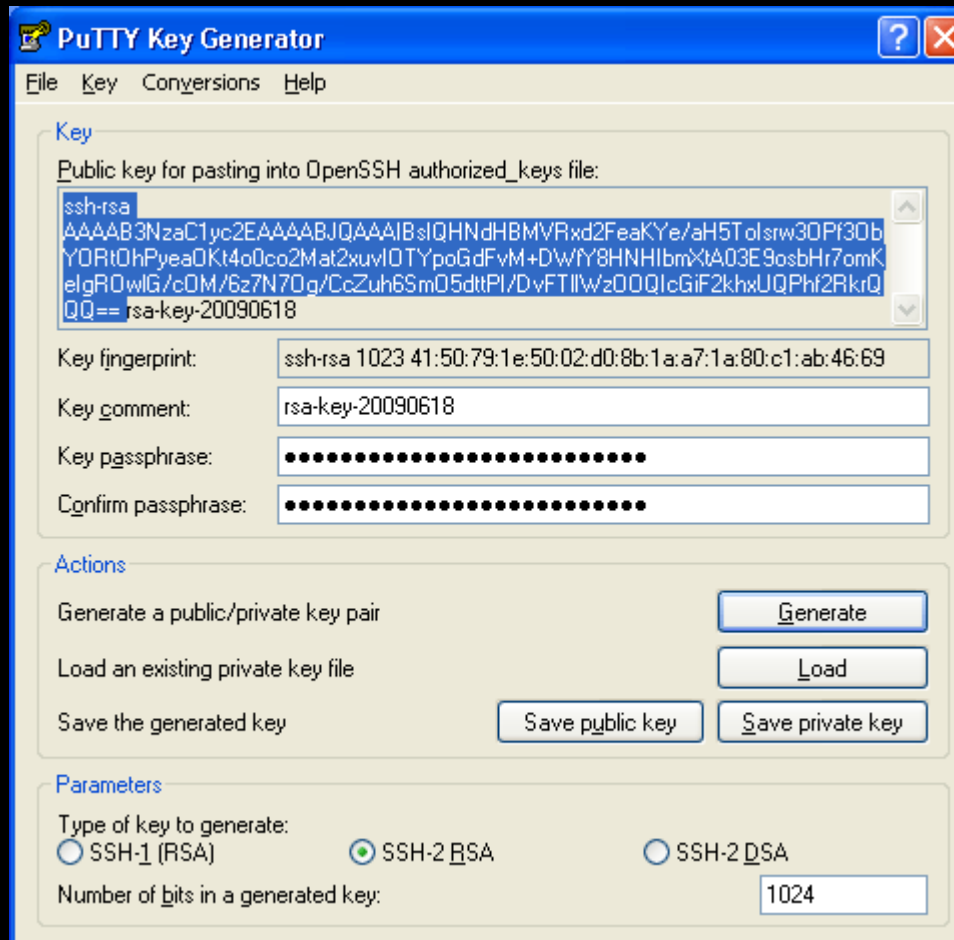
```
leyrer@ssh.example.org
```

oder

```
lokal ~/.ssh/id_rsa.pub nach
```

```
remote ~/.ssh/authorized_keys
```

Windows kann das auch



<http://www.chiark.greenend.org.uk/~sgtatham/putty/>

Hostname Aliases

~/.ssh/config

Host demo

HostName ssh.example.com

Keine Benutzernamen

~/.ssh/config

Host demo

HostName ssh.example.com

User m3

Schlüsselwahl

~/.ssh/config

Host demo

HostName ssh.example.com

User m3

IdentityFile ~/.ssh/demo_rsa

Agenten-Weiterleitung

~/.ssh/config

Host *

ForwardAgent yes

Von Server zu Server

```
$ ssh ssh.example.com
```

```
m3@ssh % ssh remote.example.com
```

```
~/.ssh/config:
```

```
Host remotedemo
```

```
    HostName remote.example.com
```

```
    ProxyCommand ssh ssh.example.com
```

```
        -W %h:%p
```

sshfs

```
$ mkdir ssh_mnt
```

```
$ sshfs demo:tmp/ ssh_mnt/
```

Vim und scp URLs

gvim

scp://ssh.example.com/demo.txt

Interactive Remote Commands

-t sorgt dafür, daß die Session steht bis das interaktive remote command beende wurde. (top, vim, nano, less, etc.)

Session logging

```
ssh demo | tee -a session.log
```

make faster

`/etc/ssh/sshd_config:`

`GSSAPIAuthentication no`

Top Gear Tuning Tip

Test:

```
yes | pv | ssh ssh.example.com  
"cat > /dev/null"
```

Tune:

Compression yes

CompressionLevel 9

Web Proxies

Corkscrew

ProxyCommand corkscrew

proxy.example.org 8080 %h %p

Lokale App, entfernter Dienst

~/.ssh/config:

```
LocalForward 4242  
localhost:5432
```

Resilient Connections

TCPKeepAlive no

ServerAliveInterval 60

ServerAliveCountMax 10

Mosh

Client:

```
sudo apt-get install mosh
```

Server:

```
http://tinyurl.com/d8yyaew
```

Probleme:

It's probably the locale

Google 2-factor Authentication

```
sudo apt-get install libpam-google-authenticator
```

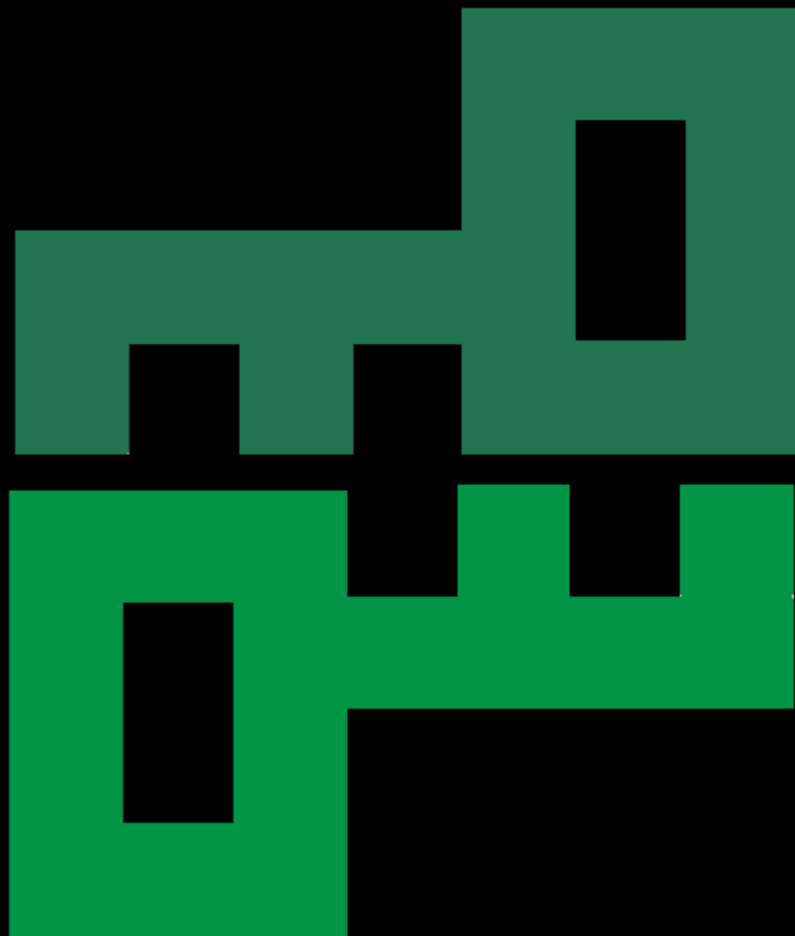
Als User ausführen: google-authenticator

```
/etc/pam.d/sshd:
```

```
auth required pam_google_authenticator.so
```

```
/etc/ssh/sshd_config:
```

```
ChallengeResponseAuthentication yes
```

<https://cryptoparty.at/>

Feedback

- Pentabarf
 - <http://glt13-programm.linuxtage.at/>

Danksagungen

Smylers für “SSH Can Do That?
Productivity Tips for Working
with Remote Servers”

maclemmon für Umfangreichen
Input zu diesem Talk