Laborbericht - NVS - 5CHIF	
Name: Juri Schreib	**Datum:** 2017-02-28
Ziel: Erfüllung der Aufgabenstellung	

Hinzufügen eines Zertifikats auf der Unternehmenswebsite

Erstellen eines Let's Encrypt Zertifikats

Aktualisieren der Let's Encrypt Konfiguration

```
[bujuhu@kochab ~]$ cd .config/
[bujuhu@kochab .config]$ ls
letsencrypt
[bujuhu@kochab .config]$ cd letsencrypt/
[bujuhu@kochab letsencrypt]$ ls
accounts  archive  cli.ini  csr  keys  live  renewal
[bujuhu@kochab letsencrypt]$ nano cli.ini
```

cli.ini

```
rsa-key-size = 4096

server = https://acme-v01.api.letsencrypt.org/directory

authenticator = webroot

# Don't change this without real good reasons. Our web frontend
# uses a separate backend for answering ACME challenges which
# *enforces* to use the default web root.
# If you change this, things will break. You have been warned!
webroot-path = /var/www/virtual/bujuhu/html

config-dir = /home/bujuhu/.config/letsencrypt
work-dir = /home/bujuhu/.local/share/letsencrypt/work
logs-dir = /home/bujuhu/.local/share/letsencrypt/logs

email = bujuhu@kochab.uberspace.de

# Beware that Let's Encrypt does NOT support wildcard hostnames.
# If you're using wildcards you have to add each subdomain explicitly.
domains = bujuhu.at,schreib.at,www.bujuhu.at,www.schreib.at,kmu.schreib.at

text = True
```

```
# To prevent being forced to agree manually to the terms
agree-tos = True
```

Danach wird werden neue Zertifikate mit demletsencrypt certonly kommando generiert

```
[bujuhu@kochab letsencrypt]$ letsencrypt certonly


-------------------------------------------------------------------------
You have an existing certificate that contains a portion of the domains you
requested (ref: /home/bujuhu/.config/letsencrypt/renewal/bujuhu.at.conf)

It contains these names: bujuhu.at, schreib.at, www.bujuhu.at, www.schreib.at

You requested these names for the new certificate: bujuhu.at, schreib.at,
www.bujuhu.at, www.schreib.at, kmu.schreib.at.

Do you want to expand and replace this existing certificate with the new
certificate?
-------------------------------------------------------------------------
(E)xpand/(C)ancel: E

IMPORTANT NOTES:
 - Congratulations! Your certificate and chain have been saved at
   /home/bujuhu/.config/letsencrypt/live/bujuhu.at/fullchain.pem. Your
   cert will expire on 2017-05-14. To obtain a new or tweaked version
   of this certificate in the future, simply run certbot again. To
   non-interactively renew *all* of your certificates, run "certbot
   renew"
 - If you like Certbot, please consider supporting our work by:

   Donating to ISRG / Let's Encrypt:   https://letsencrypt.org/donate
   Donating to EFF:                    https://eff.org/donate-le

[bujuhu@kochab letsencrypt]$
```

Das neue Zertifikat wird am Webserver mithilfe vonuberspace-add-certificate aktiviert

Es wird einige Minuten gewartet, um die Aktualsierung des Zertifikats abzuwarten

https://kmu.schreib.at

Juri Schreib

KMU Projekt Platzhalter

Die Website ist nun unter kmu.schreib.at erreichbar.

http://localhost:4000/NVS/5CHIF_20170228_Schreib/