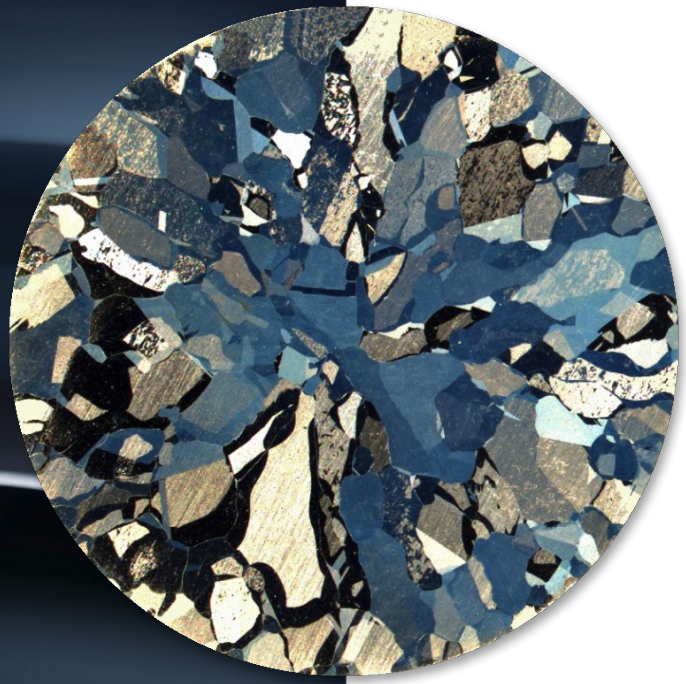
Software & Service for
Practical Materials Innovation

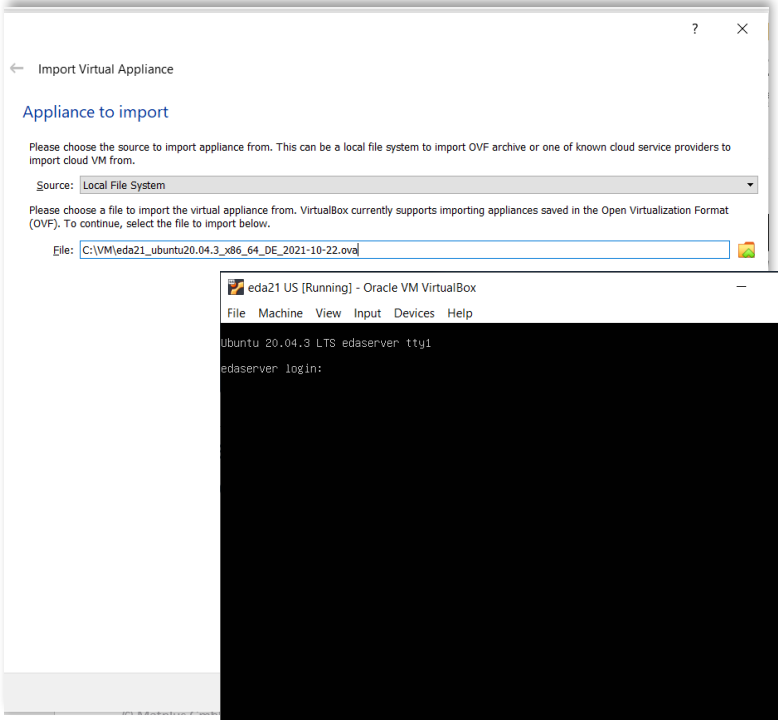
MATPLUS



Matplus EDA®

Installation of Virtual Appliance 1

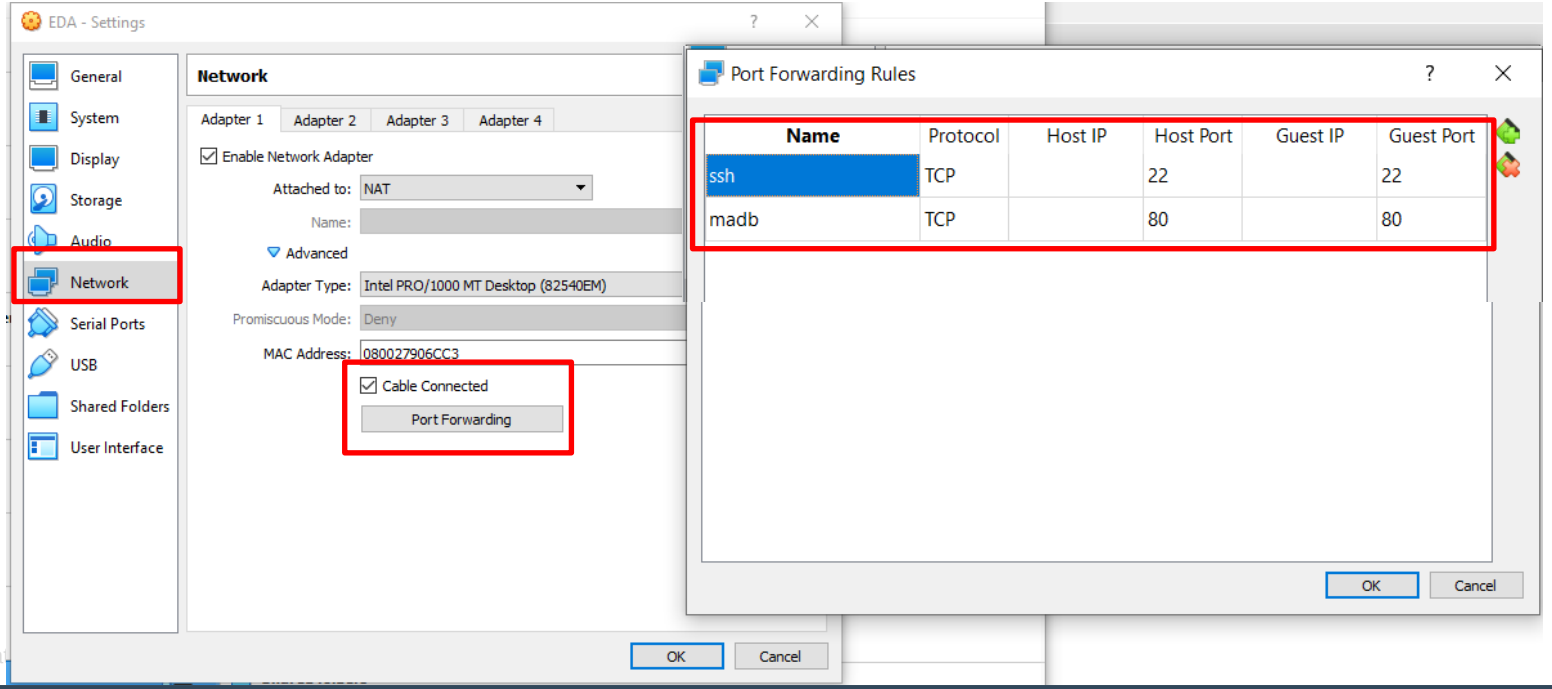
- ✓ Example using Oracle Virtual Box
  - Import OVA Appliance



  - Start the appliance
    - Ubuntu Linux Server
    - Headless, No GUI

Installation of Virtual Appliance 2

- ✓ Set Port Forwarding Rules



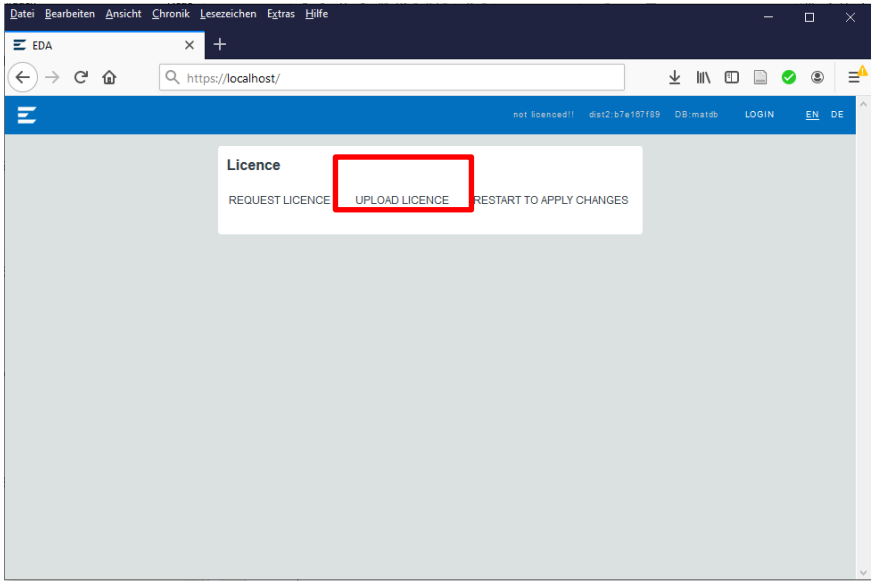
Installation of Virtual Appliance 3

- ✓ Option: Configure HTTPS if the machine shall be used as a server in a network
- ✓ Call script “eda-enable-https.sh” (included in PATH)
- ✓ This script expects certificate (cert.pem) and private key (cert.key) at /home/matdb/ssl folder
- ✓ EDA will then listen to port 443

Note: MobaXterm is a free software which facilitates working with the EDA console and also provides a SCP functionality

Access EDA from your favourite browser

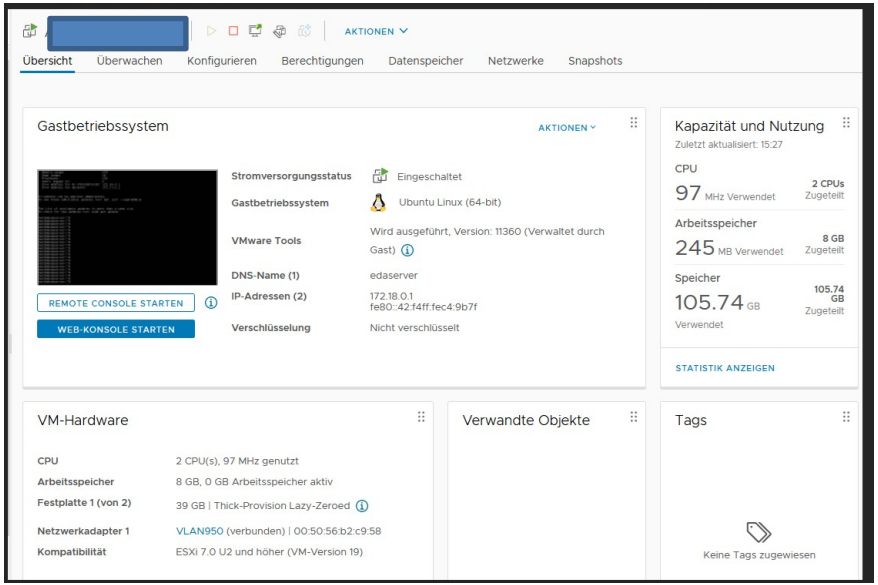
- ✓ Use http://localhost or https://servername
- ✓ The system tells you initially that there is no license attached




MATPLUS
INSTALLATION
EDA VMWARE

Installation of Virtual Appliance 1

- ✓ Example using vmware
  - Import our OVA Appliance
  - Start the appliance as
    - Ubuntu Linux LTS Server
    - Headless, No GUI
  - Ports 22, 80, 443 are open



Network Configuration of VA 1

#file: /etc/hosts

```
echo „Your_IP HOSTNAME" >> /etc/hosts
```

#file: /etc/hostname

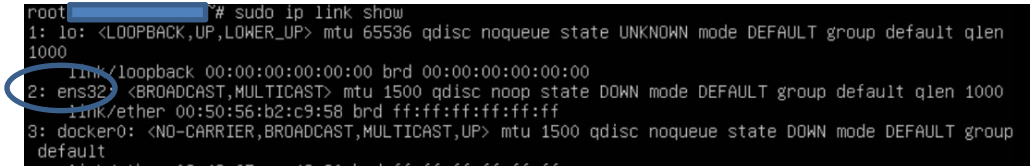
```
echo "HOSTNAME" > /etc/hostname
```

#file: /etc/netplan/00-installer-config.yaml

This file must be updated inplace.

 # Check the current network interfaces of your server

```
sudo ip link show
```



In this example the second decice is your interface to be configured.

Network Configuration VA 2

Step 1: create copy of origin file:

```
cp /etc/netplan/00-installer-config.yaml /etc/netplan/00-installer-config.yaml.old
```

Step 2: edit the content to look like this prepared sample

```
network:
  version: 2
  ethernets:
    enp0s3:                  # has to match local network interface (check with: ip link show)
      addresses:
        - 123.12.12.77
      gateway4: 123.12.12.5
      nameservers:
          search: []         # dns search domains, comma separated (if required)
          addresses: [123.12.90.70,123.12.92.70]
```

Step 3: apply configuration change and reboot

```
netplan apply
```

reboot (reboot machine using ACPI Shutdown or external VMWare control)

Create Certificate Signing Request

In order to get a certificate

Login to the server as matdb.

```
openssl req -new \
-newkey rsa:2048 -nodes -keyout ~/ssl/cert.key \
-out ~/AHERSRVLNX39.csr \
-subj "/C=DE/ST=XY/L=Wuppertal/O=Matplus GmbH/OU=IT/CN=yourdomain.com"
```

Installation of Virtual Appliance 3

- ✓ Configure HTTPS if the machine shall be used as a server in a network
- ✓ Call script
  - `sudo eda-enable-https.sh` (included in PATH)
- ✓ This script expects certificate (cert.pem) and private key (cert.key) at /home/matdb/ssl folder
- ✓ EDA will then listen to port 443

Note:
MobaXterm is a free software which facilitates working with the EDA headless console and also provides a SCP functionality

Thank you!

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