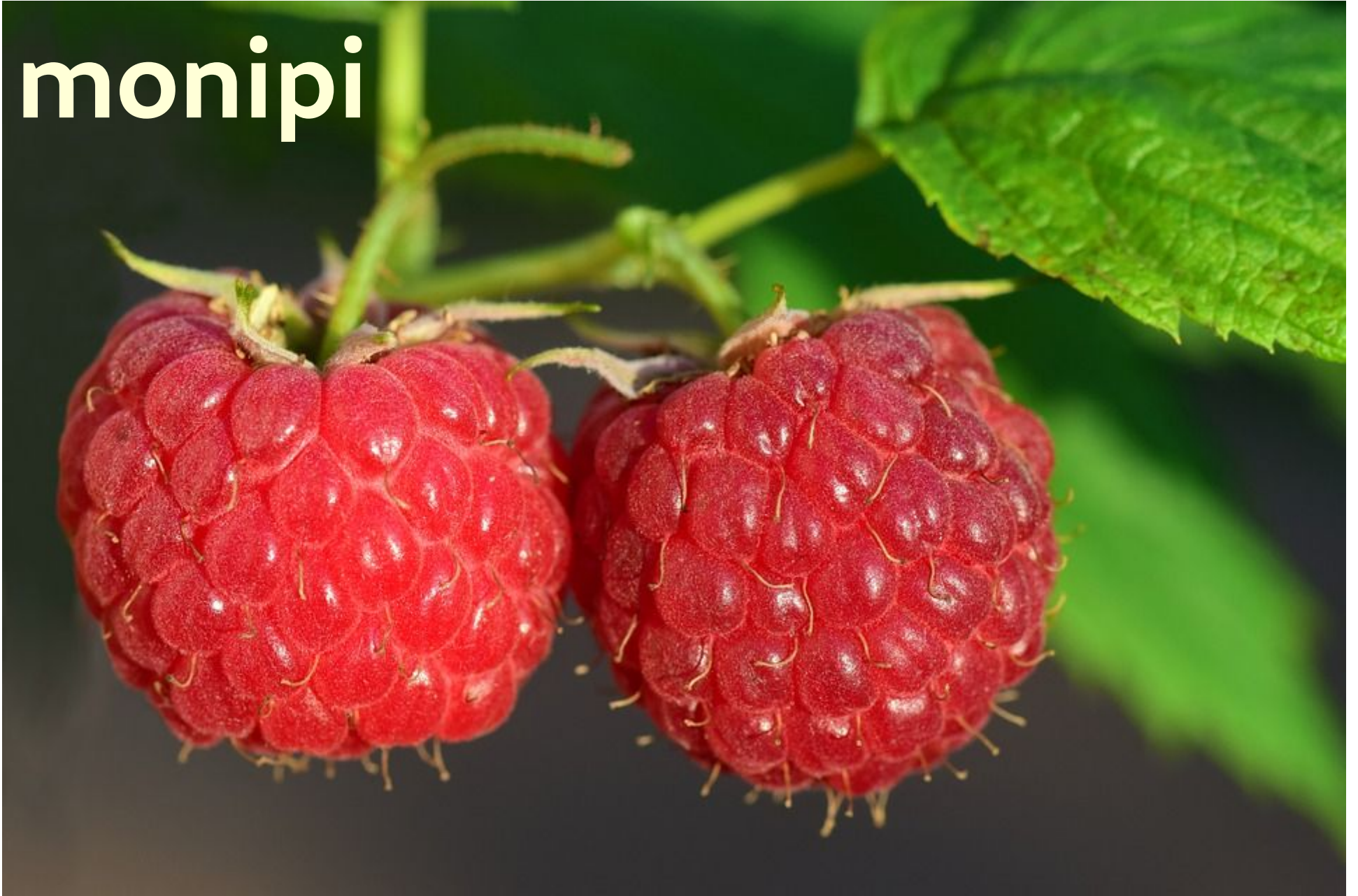# monipi

armhf Paket? Installation?

`https://github.com/chrisss404/check-mk-arm`

- Kein Image mehr
- Basis ist ein „nacktes" raspbian lite stretch

- Raspbian installieren (Image → SD)
- Raspbian Basisconfig (SSH Zugang, Tastatur, Locales, Zeitzone, Passwort)
- root werden
- **git** und **ansible** installieren (`apt-get update, apt-get install git ansible`)
- Also root: monipi-Repo klonen
        `git clone https://github.com/linuxmuster/linuxmuster-omd.git`
- Ins Verzeichnis `linuxmuster-omd` wechseln
- `./create.sh` aufrufen

Was passiert?

```
root@raspberrypi:~/monipi# ./create.sh

PLAY [localhost] *****************************************************************

TASK [setup] ********************************************************************
ok: [localhost]

TASK [Get current Ansible version on local host] *******************************
changed: [localhost -> localhost]

TASK [assert] ******************************************************************
ok: [localhost] => {
    "changed": false,
    "msg": "All assertions passed"
}

TASK [cleanup] *****************************************************************
changed: [localhost]
 [WARNING]: Consider using apt module rather than running apt-get


TASK [Install required packages] **********************************************
ok: [localhost] => (item=[u'curl', u'apt-transport-https', u'ca-certificates', u'gnupg2', u's
oftware-properties-common', u'fail2ban', u'vim', u'xinetd'])

TASK [Check if check_mk_raw pakage is in place] *******************************
ok: [localhost]

TASK [Download "check-mk-raw-1.5.0p16_0.stretch_armhf.deb"] *******************
skipping: [localhost]
```

```
Adding /opt/omd/sites/default/tmp to /etc/fstab.
Creating temporary filesystem /omd/sites/default/tmp...OK
Restarting Apache...OK
Created new site default with version 1.5.0p16.cre.

  The site can be started with omd start default.
  The default web UI is available at http://raspberrypi/default/

  The admin user for the web applications is cmkadmin with password: 1utYIQ2O
  (It can be changed with 'htpasswd -m ~/etc/htpasswd cmkadmin' as site user.
)
  Please do a su - default for administration of this site.

root@raspberrypi:~/monipi# 
```
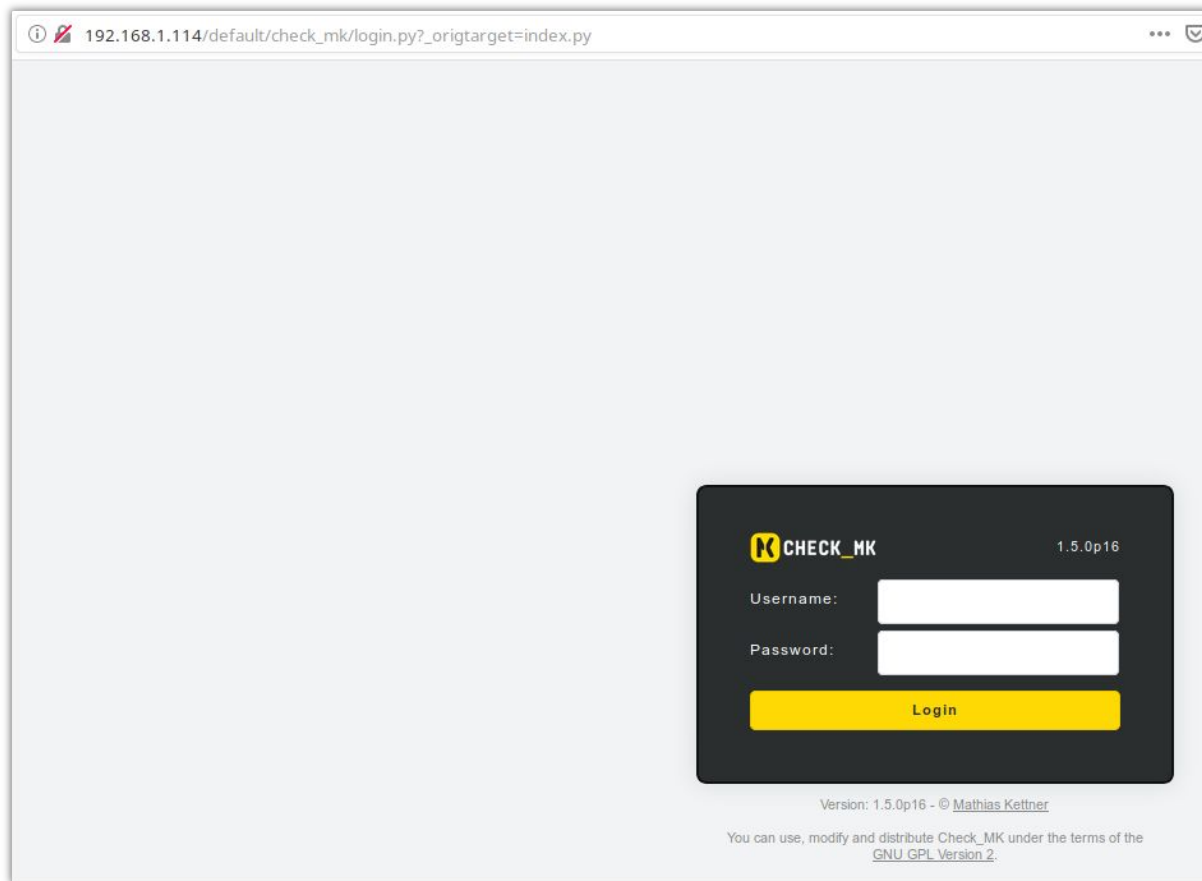
Test - test - test

`telnet localhost 6556` → Kontaktiert den (lokalen) check_mk_agent

`su - default` → Wechselt in die site „default"

`https://ip-des-raspis/default` → öffnet das Check MK Webinterface

Erster Überwachter: Der Monipi

Services of Host monipi

monipi

STATE	SERVICE	ICONS	STATUS DETAIL
OK	Check_MK		OK - [agent] Version: 1.5.0p16, OS: linux, execution time 0.8 sec
OK	Check_MK Discovery		OK - no unmonitored services found, no vanished services found
OK	CPU load		OK - 15 min load 0.60 at 4 Cores (0.15 per Core)
OK	CPU utilization		OK - user: 4.3%, system: 1.4%, wait: 1.3%, steal: 0.0%, guest: 0.0%, total: 7.0%
OK	Disk IO SUMMARY		OK - Utilization: 8.0%, Read: 197.60 kB/s, Write: 2.05 MB/s, Average Wait: 430.67 ms, Average Read Wait: 1.42 ms, Average Write Wait: 743.01 m Length: 0.00
OK	Filesystem /		OK - 17.1% used (2.49 of 14.54 GB), trend: +41.91 MB / 24 hours
OK	Filesystem /boot		OK - 51.0% used (21.52 of 42.22 MB), trend: 0.00 B / 24 hours
OK	Interface 2		OK - [eth0] (up) MAC: B8:27:EB:9C:8C:9B, 100 Mbit/s, in: 1.25 kB/s(0.0%), out: 2.14 kB/s(0.0%)
OK	Kernel Context Switches		OK - 196/s
OK	Kernel Major Page Faults		OK - 1/s
OK	Kernel Process Creations		OK - 2/s
OK	Memory		OK - RAM used: 286.31 MB of 927.20 MB, Swap used: 0.00 B of 100.00 MB, Total virtual memory used: 286.31 MB of 1.00 GB (27.9%),
OK	Mount options of /		OK - Mount options exactly as expected
OK	Mount options of /boot		OK - Mount options exactly as expected
OK	Number of threads		OK - 174 threads
OK	OMD default apache		OK - 1.60 Requests/s, 0.15 Seconds serving/s, 5.63 kB Sent/s

Mehr Hosts, mehr Agenten!

`/opt/omd/versions/1.5.0p16.cre/share/check_mk/agents/`

(oder im Webinterface)

Auf dem zu überwachenden Host:

- `check_mk_agent` & `xinetd` installierenm, xinetd config anpassen
- Port 6556 muss vom Monipi aus erreichbar sein
- Im Webinterface Host anlegen und inventarisieren. Fertig.