



CHECKMK Configuration

Etape de l'installation du serveur Checkmk sous Ubuntu 22.04

1. Télécharger Checkmk for Ubuntu or Debian

VERSION	PLATFORM	OS VERSION
2.1.0p21 	Ubuntu	Ubuntu 22.10
2.0.0p33 	Debian	Ubuntu 22.04

Prérequis : Mettre à jour votre version Ubuntu si nécessaire vers Jammy_amd64

sudo apt update -y

sudo apt upgrade -y

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- ▶ 2. Récupération du package en utilisant wget

wget https://download.checkmk.com/checkmk/2.1.0p21/check-mk-free-2.1.0p21_0.jammy_amd64.deb

- ▶ 3. Installation du package the Checkmk package

sudo apt install ./check-mk-free-2.1.0p21_0.jammy_amd64.deb

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- ▶ 4. Vérification de la bonne installation avec la commande omd version:

`sudo omd version`

Exemple : OMD - Open Monitoring Distribution Version 2.1.0p21.cfe

- ▶ 5. Création du site de monitoring Checkmk avec la commande OMD

Exemple : `sudo omd create monitoring`

- ▶ Attention : Un mot de passe par défaut sera proposé. Ce mot de passe sera utile pour votre première identification.

```
The admin user for the web applications is cmkadmin with password: SWndYbBV
```

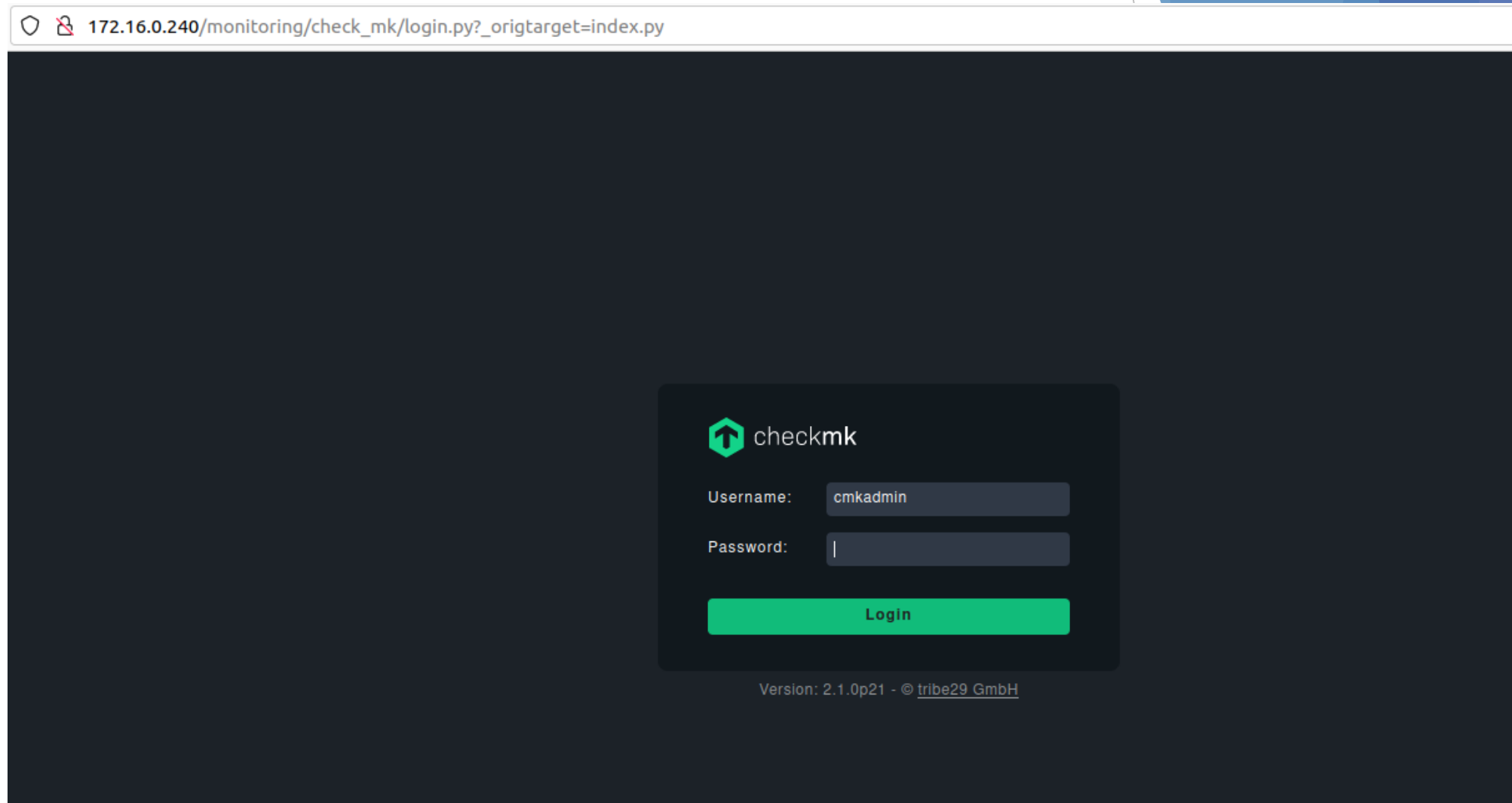
Login : `cmkadmin + SWndYbBV`

- ▶ 6. Démarrage du site checkmk

`sudo omd start monitoring`


Connexion au serveur

- ▶ Login :cmkadmin
- ▶ Password : **SWndYbBV**



The screenshot shows a web browser window with the address bar displaying `172.16.0.240/monitoring/check_mk/login.py?_origtarget=index.py`. The main content area is dark blue and features a login form for 'checkmk'. The form includes a green logo with a white upward arrow, followed by the text 'checkmk'. Below this, there are two input fields: 'Username:' with the value 'cmkadmin' and 'Password:' which is empty. A green 'Login' button is positioned below the password field. At the bottom of the form, the text 'Version: 2.1.0p21 - © tribe29 GmbH' is visible.

172.16.0.240/monitoring/check_mk/login.py?_origtarget=index.py

 checkmk

Username: cmkadmin

Password: |

Login

Version: 2.1.0p21 - © [tribe29 GmbH](#)

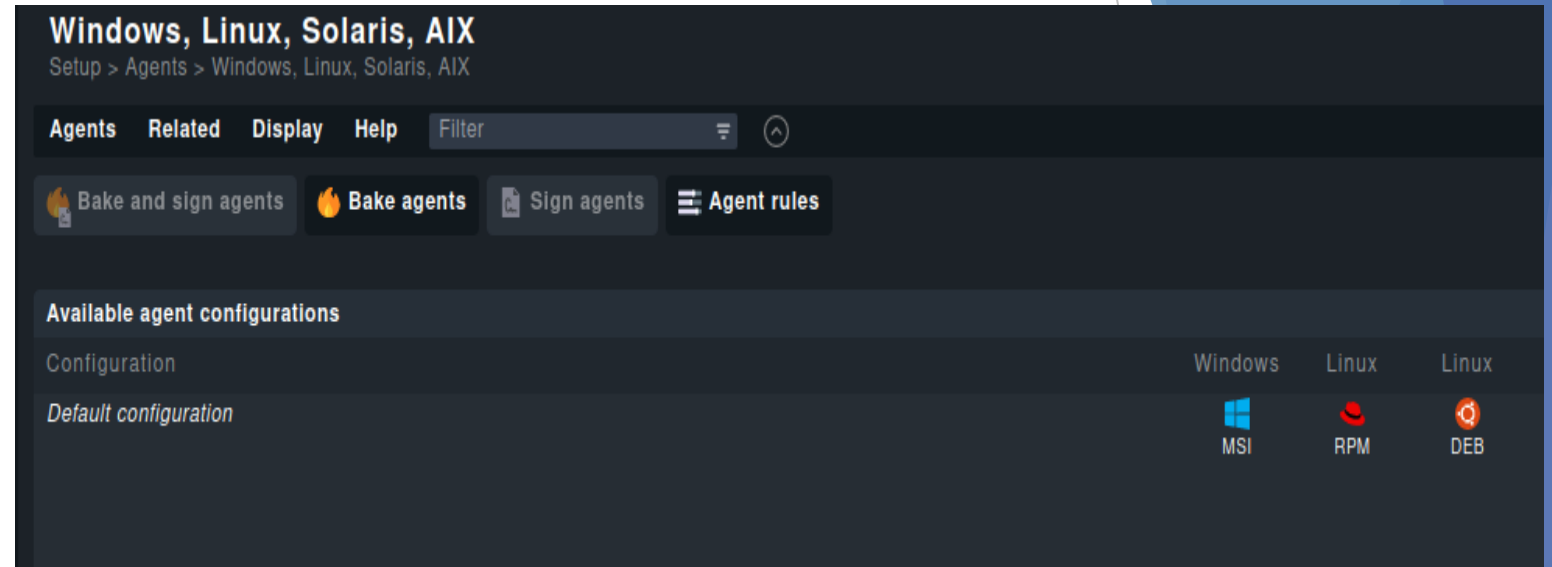
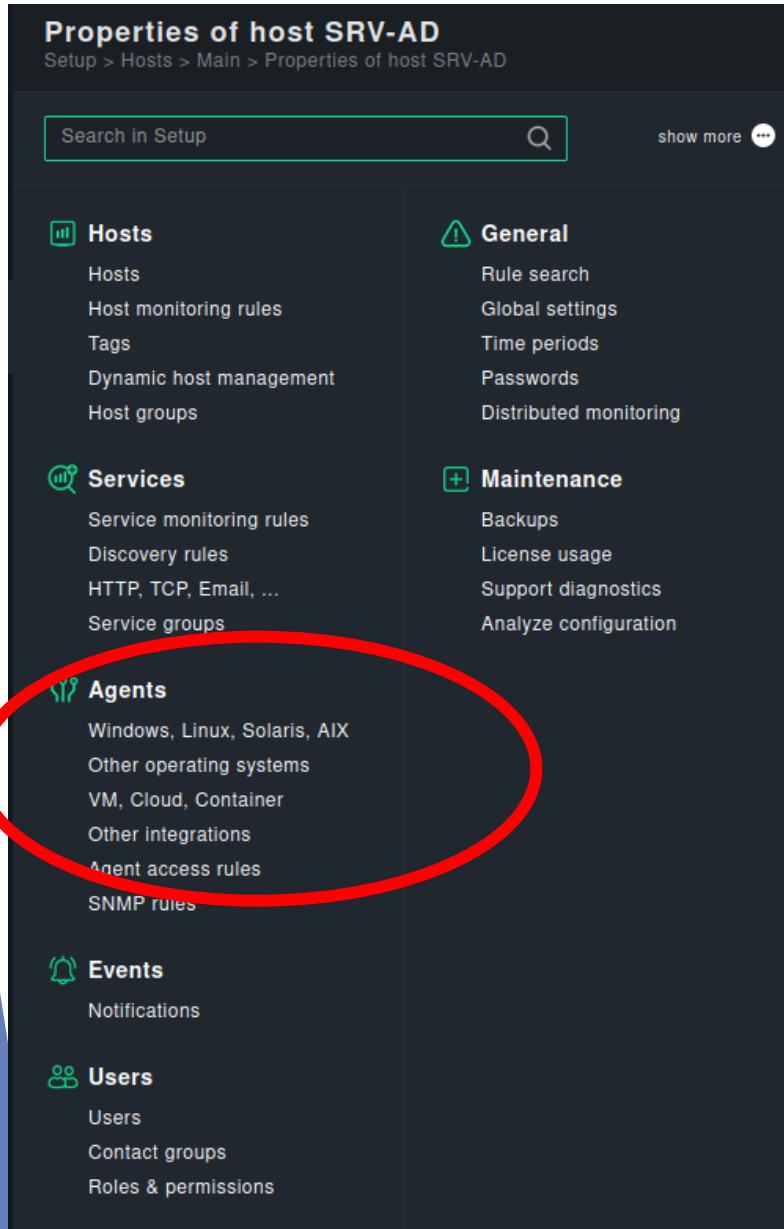
Exemple de monitoring : Serveur 172.16.0.240

The screenshot shows the Checkmk web interface for monitoring a host at 172.16.0.240. The interface is divided into several sections:

- Header:** Shows the Checkmk logo and the title "Services of host serveur-monitoring".
- Navigation:** Includes tabs for Actions, Host, Settings, Display, and Help.
- Actions:** Contains buttons for "Accept all", "Rescan", "Monitor undecided services", "Remove vanished services", and "Properties of host serveur-monitoring".
- Summary:** Displays statistics: Undecided services: 24, Vanished services: 0, New host labels: 3, Vanished host labels: 0, and Changed host labels: 0.
- Discovered host labels (3):** Lists labels such as cmk/check_mk_server:yes, cmk/device_type:vm, and cmk/os_family:linux.
- Undecided services - currently not monitored (24):** A table listing the status of various services.

State	Service	Status detail
WARN	Check_MK Agent	Version: 2.1.0p21, OS: linux, TLS is not activated on monitored host (see details) WARN Agent plugins: 0, Local checks: 0
OK	CPU load	15 min load: 0.29, 15 min load per core: 0.14 (2 cores)
OK	CPU utilization	Total CPU: 7.30%
OK	Disk IO SUMMARY	Initializing counters
OK	Filesystem /	28.82% used (16.79 of 58.26 GB)
OK	Filesystem /boot/efi	1.18% used (6.05 of 511.96 MB)
OK	Interface 2	[ens34], (up), MAC: 00:0C:29:CB:FB:F4, Speed: 1 GBit/s
OK	Interface 3	[ens38], (up), MAC: 00:0C:29:CB:FB:EA, Speed: 1 GBit/s
OK	Kernel Performance	Counter initialization
OK	Memory	Total virtual memory: 30.19% - 2.81 GB of 9.32 GB, 9 additional details available
OK	Mount options of /	Mount options exactly as expected
OK	Mount options of /boot/efi	Mount options exactly as expected
OK	Mount options of /media/joseph/Ubuntu\04022.04.1\040LTS\040amd64	Mount options exactly as expected
OK	Number of threads	873, Usage: 1.96%
OK	OMD monitoring apache	Counter initialization

Les agents



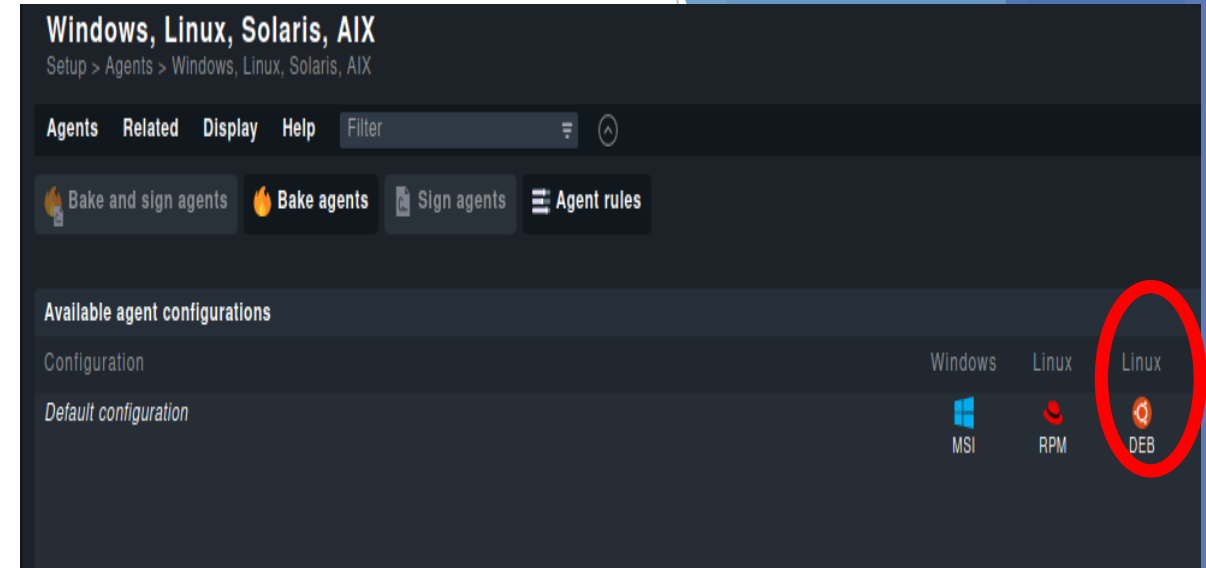
Afin d'installer les agents il faudra aller sur la machine concernée puis via l'interface web de votre choix vous connecter au serveur et sélectionner l'agent à installer.

Installation agent Linux

- ▶ Cliquer sur l'icône Linux.

Le paquet s'installera dans le répertoire Téléchargements

En mode Sudo exécuter la commande suivante :



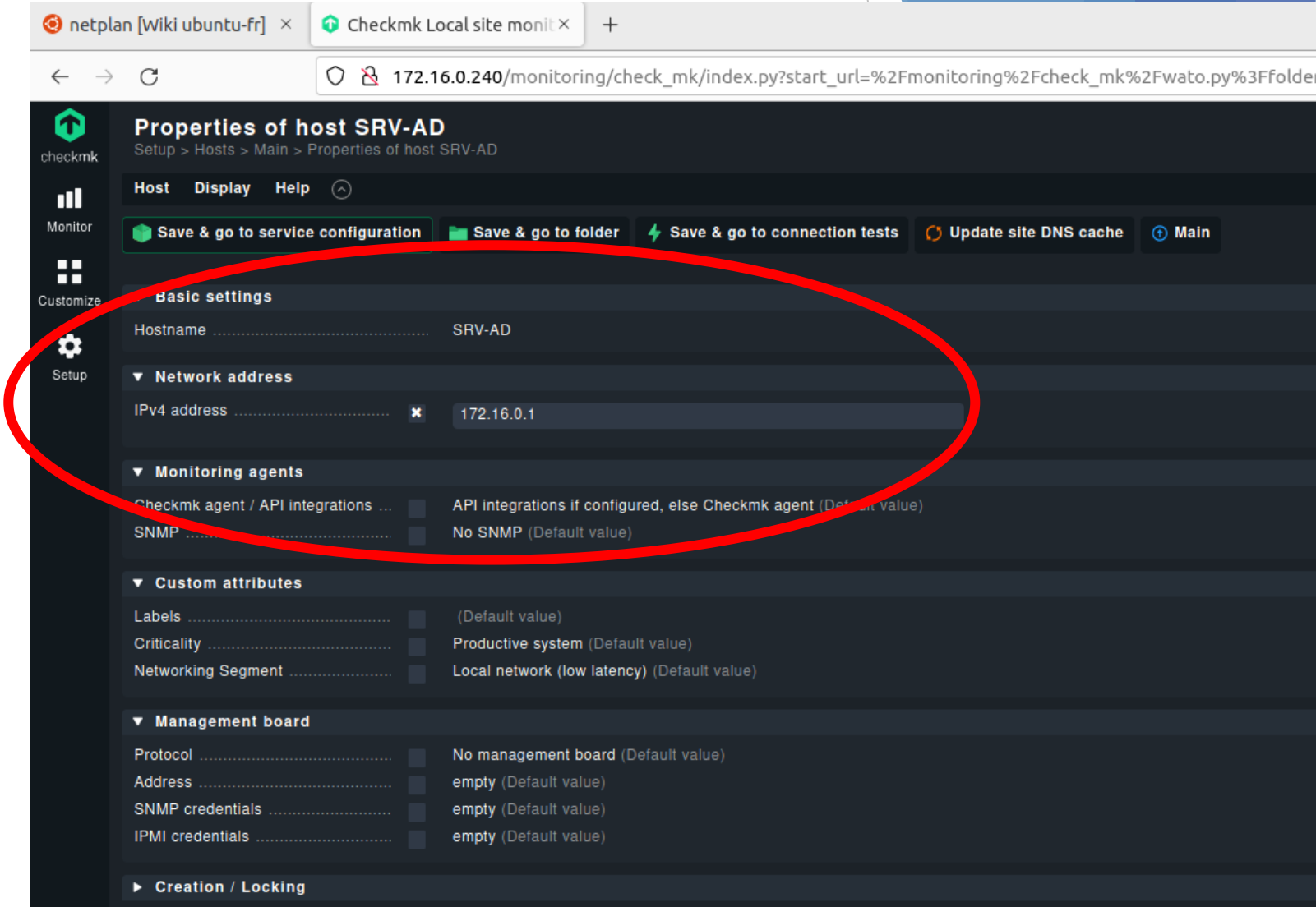
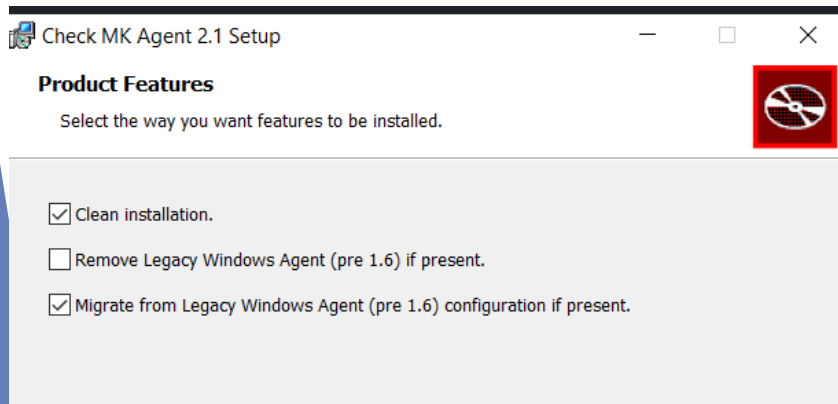
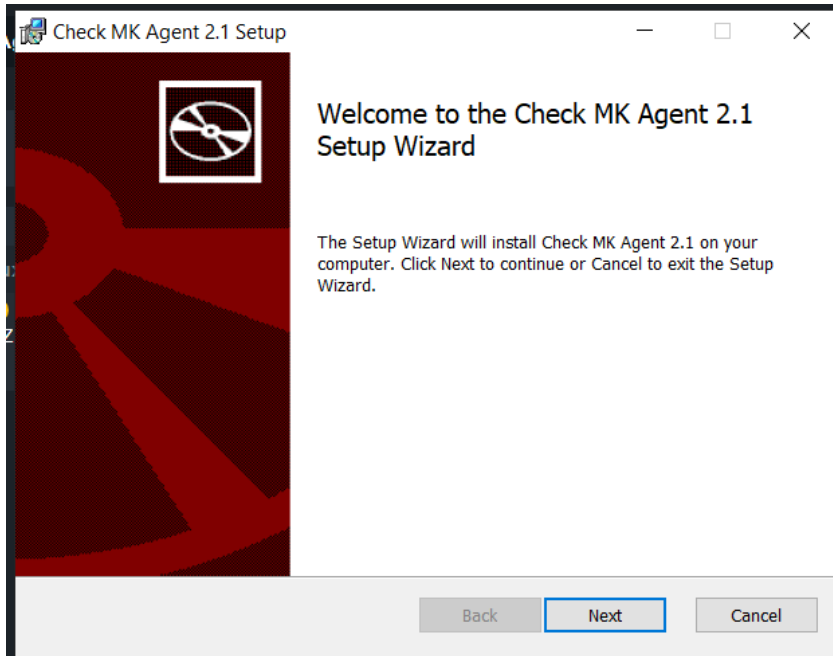
- ▶ ~/Téléchargements\$ **sudo dpkg -i** check-mk-agent_2.1.0p21-7b7b3670f006520e_all.deb

```
giu@giu-virtual-machine: ~/Téléchargements
giu@giu-virtual-machine:~/Téléchargements$ ls
check-mk-agent_2.1.0p21-7b7b3670f006520e_all.deb
giu@giu-virtual-machine:~/Téléchargements$ sudo dpkg -i check-mk-agent_2.1.0p21-7b7b3670f006520e_all.deb
```

- ▶ Ou : `sudo dkpg check-mk-agent_2.1.0p21-7b7b3670f006520e_all.deb`

Configuration serveur Windows

- Nécessite l'installation d'un agent Windows



Configuration du Routeur SNMP



S

checkmk

Monitor

Customize

Setup

Help

Properties of host R1

Setup > Hosts > Main > Properties of host R1

Host Display Help

Save & go to service configuration

Save & go to folder

Save & go to connection tests

Update site DNS cache

Main

Basic settings

Hostname R1

Network address

IPv4 address 172.16.0.254

Monitoring agents

Checkmk agent / API integrations ... No API integrations, no Checkmk agent

SNMP SNMP v2 or v3

SNMP credentials none (Default value)

Custom attributes

Labels (Default value)

Criticality Productive system (Default value)

Networking Segment Local network (low latency) (Default value)

Management board

Protocol No management board (Default value)

Address empty (Default value)

SNMP credentials empty (Default value)

IPMI credentials empty (Default value)

Creation / Locking



FIN