

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

Etape de l'installation du serveur Checkmk sous Ubuntu 22.04

- ▶ 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
```

Etape de l'installation du serveur Checkmk sous Ubuntu 22.04

- ▶ 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`

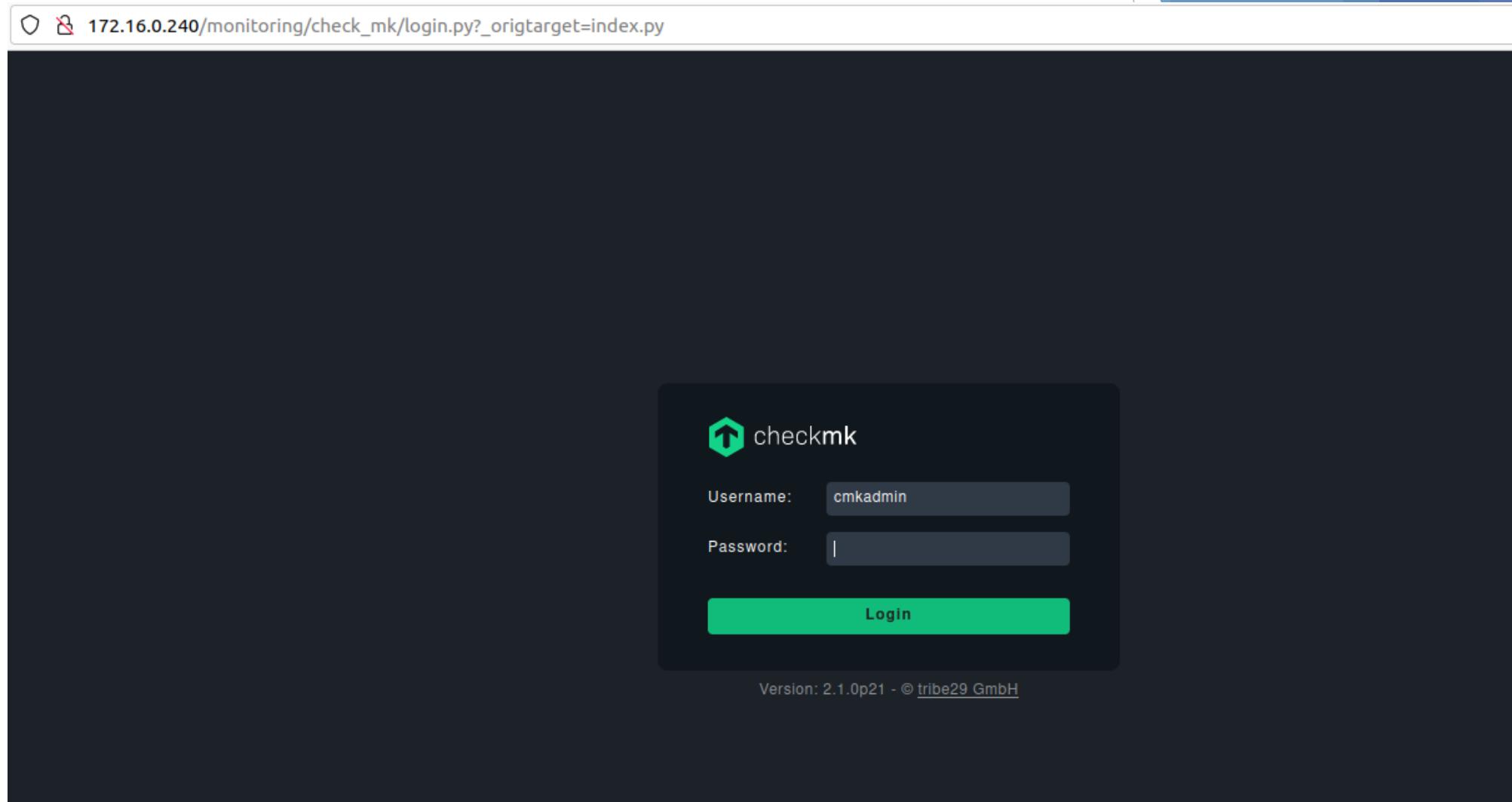
Login : `cmkadmin + SWndYbBV`

- ▶ 6. Démarrage du site checkmk

`sudo omd start monitoring`

Connexion au serveur

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



Exemple de monitoring : Serveur 172.16.0.240

Checkmk Local site monitor

172.16.0.240/monitoring/check_mk/index.py?start_url=%2Fmonitoring%2Fcheck_mk%2Fwato.py%3Ffolder%3D%26host%3Dserveur-monitoring

Services of host serveur-monitoring

Setup > Hosts > Main > Properties of host serveur-monitoring > Services of host serveur-monitoring

Actions Host Settings Display Help

Accept all Rescan Monitor undecided services Remove vanished services Properties of host serveur-monitoring

Undecided services: 24 | Vanished services: 0 | New host labels: 3 | Vanished host labels: 0 | Changed host labels: 0

Discovered host labels (3)

Status	Host labels
New	cmk/check_mk_server:yes cmk/device_type:vm cmk/os_family:linux

Undecided services - currently not monitored (24)

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

Properties of host SRV-AD
Setup > Hosts > Main > Properties of host SRV-AD

Search in Setup  show more 

Hosts

- Hosts
- Host monitoring rules
- Tags
- Dynamic host management
- Host groups

Services

- Service monitoring rules
- Discovery rules
- HTTP, TCP, Email, ...
- Service groups

Agents

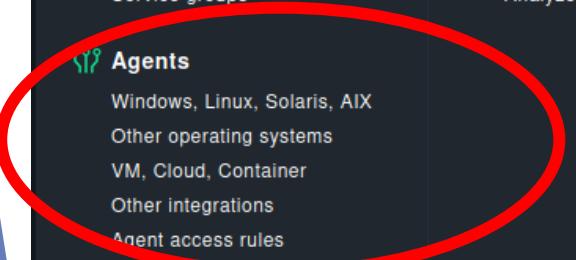
- Windows, Linux, Solaris, AIX
- Other operating systems
- VM, Cloud, Container
- Other integrations
- Agent access rules
- SNMP rules

Events

- Notifications

Users

- Users
- Contact groups
- Roles & permissions



Windows, Linux, Solaris, AIX
Setup > Agents > Windows, Linux, Solaris, AIX

Agents Related Display Help Filter  

 Bake and sign agents  Bake agents  Sign agents  Agent rules

Available agent configurations

Configuration Default configuration

Windows Linux Linux

 MSI  RPM  DEB

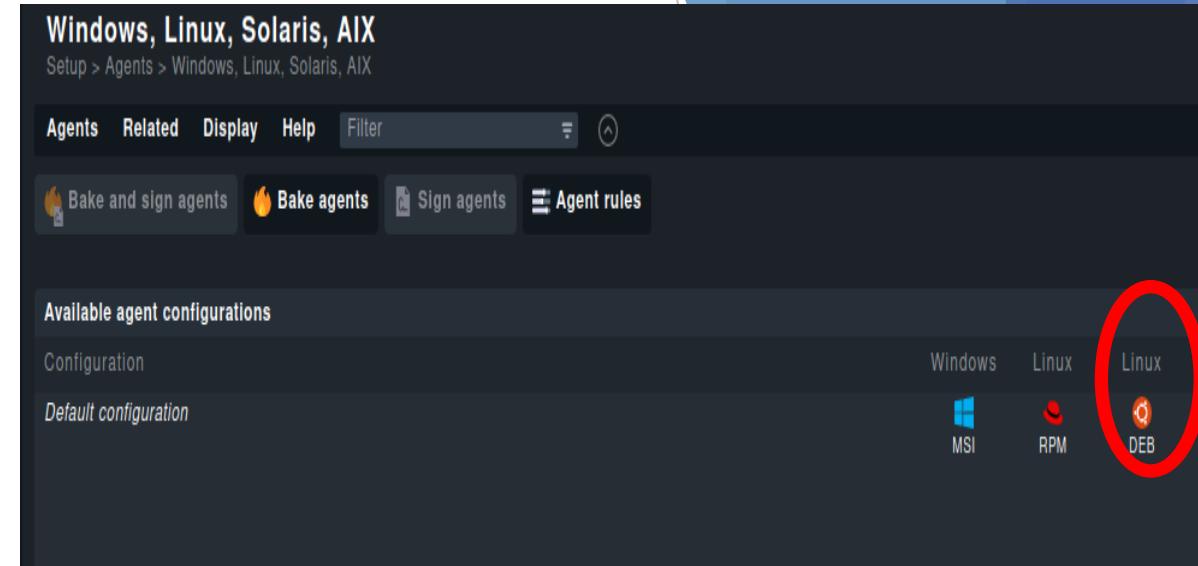
Afin d'installer les agents il faudra aller sur la machine concernée puis via l'interface web de votre choix vous connecter au serveur et sélectionner l' agent à installer.

Installation agent Linux

- ▶ Cliquer sur l'icone 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**

A screenshot of a terminal window. The title bar says "giu@giu-virtual-machine: ~/Téléchargements". The terminal shows the following command being entered:

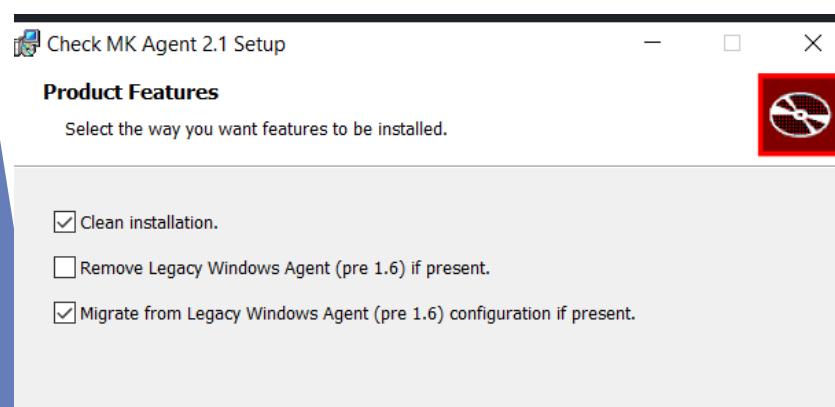
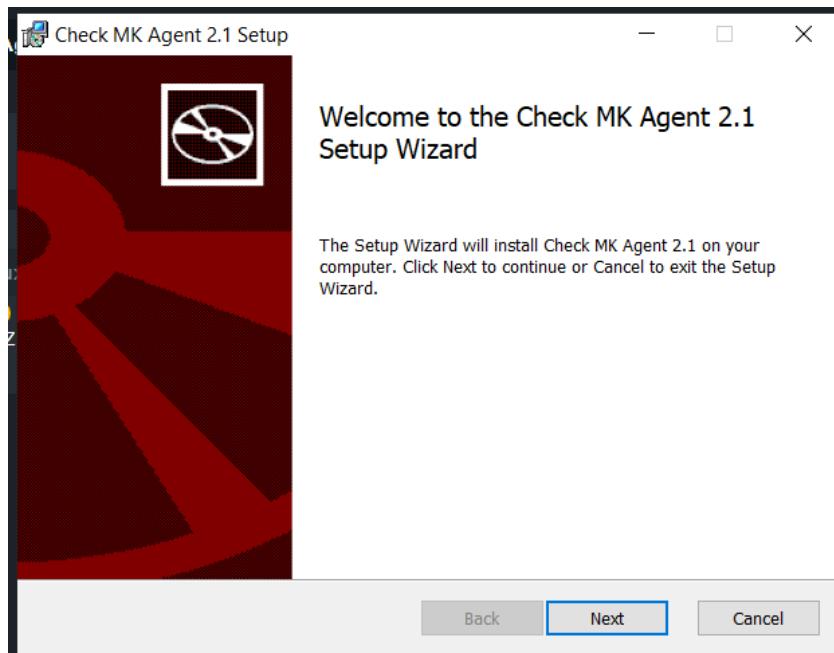
```
giu@giu-virtual-machine:~/Téléchargements$ ls  
check-mk-agent_2.1.0p21-7b7b3670f006520e_all.deb  
giu@giu-virtual-machine:~/Téléchargements$ sudo dpkg -i check-mk-agent_2.1.0p21-7b7b3670f006520e_all.deb
```

The "sudo dpkg -i" part of the command is highlighted with a white rectangle.

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

Configuration serveur Windows

- Nécessite l'installation d'un agent Windows



The screenshot shows the 'Properties of host SRV-AD' page in the Checkmk Local site monitor. A red oval highlights the top navigation bar and the main content area. The page includes sections for 'Basic settings' (Hostname: SRV-AD), 'Network address' (IPv4 address: 172.16.0.1), 'Monitoring agents' (Checkmk agent / API integrations: API integrations if configured, else Checkmk agent (Default value); SNMP: No SNMP (Default value)), 'Custom attributes' (Labels: (Default value); Criticality: Productive system (Default value); Networking Segment: Local network (low latency) (Default value)), and 'Management board' (Protocol: No management board (Default value); Address: empty (Default value); SNMP credentials: empty (Default value); IPMI credentials: empty (Default value)).

Configuration du Routeur SNMP

▶ S

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

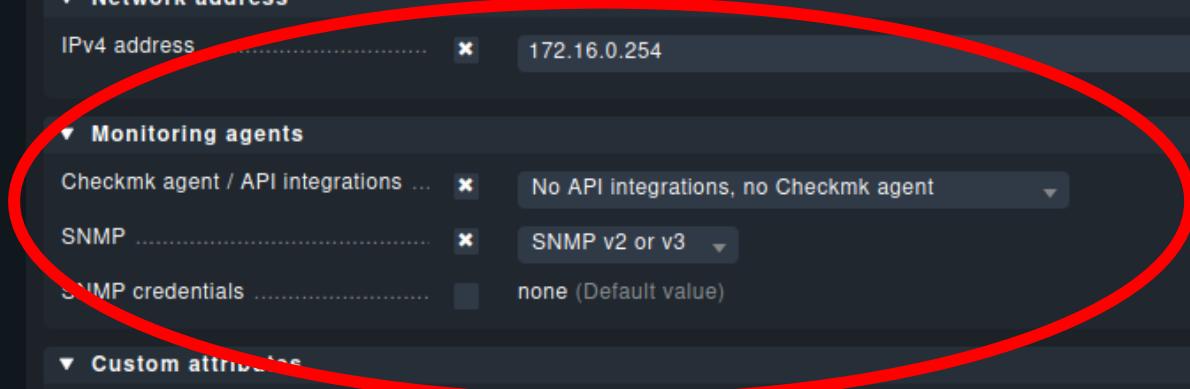
▼ Network address
IPv4 address 172.16.0.254

▼ 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)

Help Creation / Locking





FIN