Installation de Zabbix via Docker

Dans le but de simplifier et de fluidifier l'installation de Zabbix et GLPI sur le même hôte Linux, nous utiliserons Docker avec son extension Docker Compose.

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Ici nous utiliserons une stack Docker compose contenant : PostgreSQL, Zabbix, Nginx, Zabbix agent

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On crée un répertoire `/docker/zabbix` dans lequel on crée un fichier nommé `docker-compose.yaml`. Il suffit de copier-coller le contenu du YAML ci-dessous.

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On exécute ensuite la commande `docker-compose up`

```yaml
version: '3.7'

services:
  postgresql-server:
      image: postgres:latest
      container_name: postgresql-server
      restart: unless-stopped
      environment:
      POSTGRES_USER: user_postgresql-server
      POSTGRES_PASSWORD: azerty*1234*
      POSTGRES_DB: td-DB
      volumes:
      - postgresql-data:/var/lib/postgresql/data

  zabbix-server:
      image: zabbix/zabbix-server-pgsql:latest
      container_name: zabbix-server
      restart: unless-stopped
      depends_on:
      - postgresql-server
      environment:
      DB_SERVER_HOST: postgresql-server
      POSTGRES_USER: user_postgresql-server
      POSTGRES_PASSWORD: azerty*1234*
      POSTGRES_DB: td-DB
      ports:
      - "10051:10051"
      volumes:
      - zabbix-server-data:/var/lib/zabbix
      - zabbix-snmptraps-data:/var/lib/zabbix/snmptraps
      - zabbix-export-data:/var/lib/zabbix/export
```

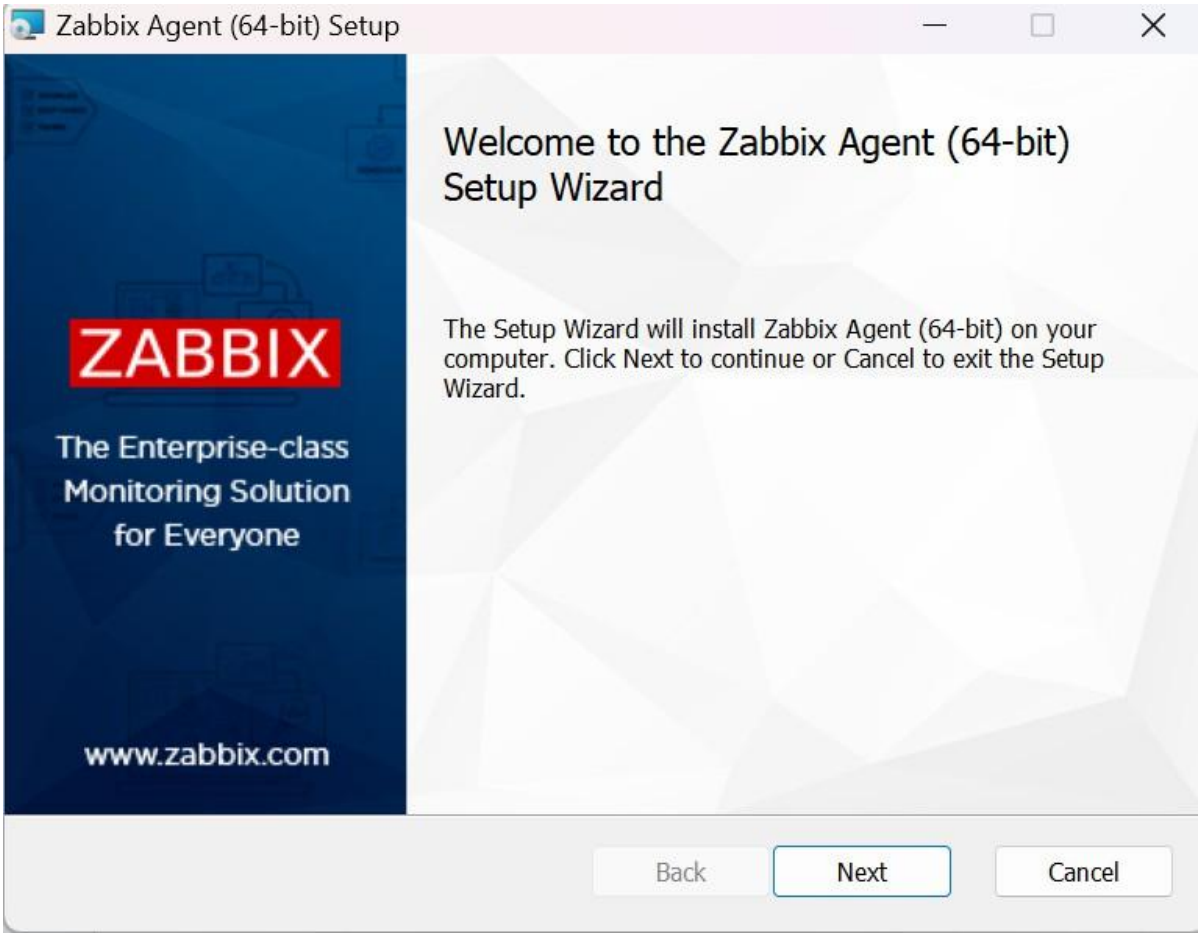
```
  zabbix-web-nginx-pgsql:
      image: zabbix/zabbix-web-nginx-pgsql:latest
      container_name: zabbix-web
      restart: unless-stopped
      depends_on:
      - postgresql-server
      - zabbix-server
      environment:
      DB_SERVER_HOST: postgresql-server
      POSTGRES_USER: user_postgresql-server
      POSTGRES_PASSWORD: azerty*1234*
      POSTGRES_DB: td-DB
      ZBX_SERVER_HOST: zabbix-server
      PHP_TZ: Europe/Paris
      ports:
      - "8080:8080"
      volumes:
      - zabbix-web-data:/usr/share/zabbix

  zabbix-agent:
      image: zabbix/zabbix-agent:latest
      container_name: zabbix-agent
      restart: unless-stopped
      depends_on:
      - zabbix-server
      environment:
      ZBX_HOSTNAME: "zabbix-server"
      ZBX_SERVER_HOST: zabbix-server
      ZBX_SERVER_PORT: '10051'
      ZBX_SERVER_ACTIVE: zabbix-server

volumes:
  postgresql-data:
  zabbix-server-data:
  zabbix-snmptraps-data:
  zabbix-export-data:
  zabbix-web-data:
```

Le serveur est joignable sur l'IP `<IP dans le VLAN 30>`:8080

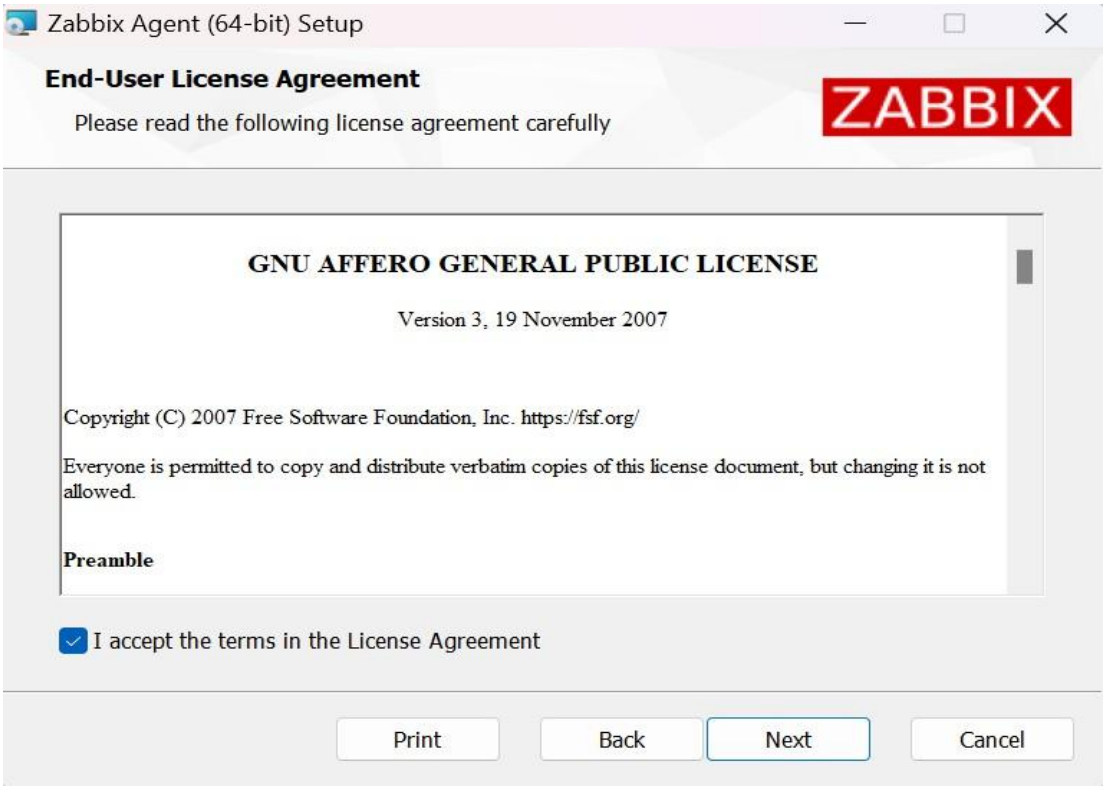
Installation de l’agent Zabbix sur Windows

On va installer l’agent Zabbix sur le Windows Server via l’installeur téléchargeable sur le site officiel de zabbix.
https://www.zabbix.com/download_agents#tab:40LTS

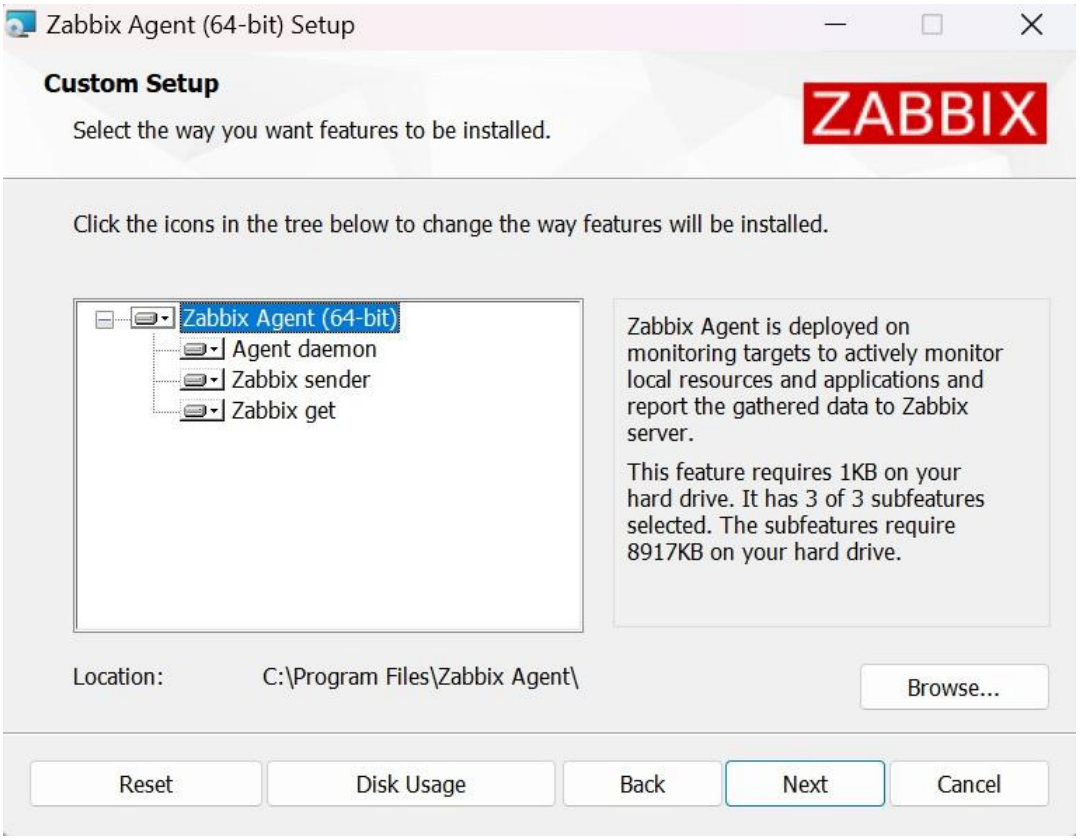
On ouvre l'exécutable



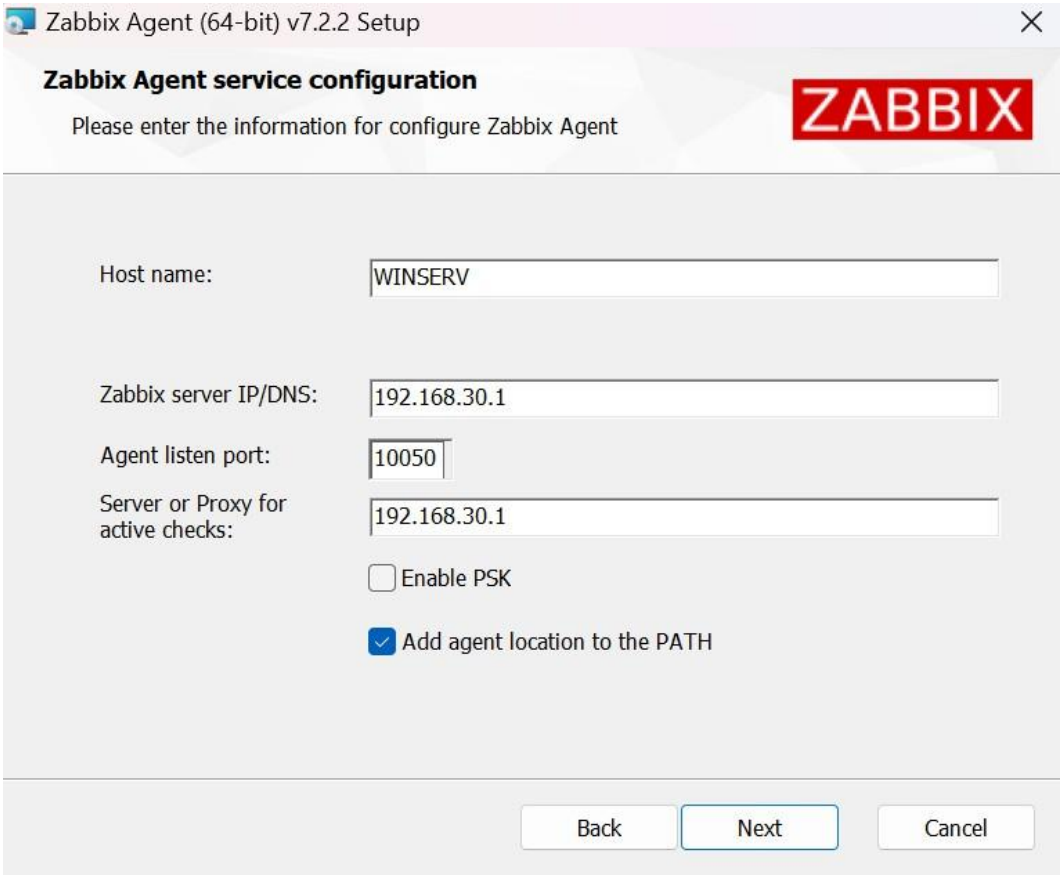
On accepte les termes et contrat d’utilisation.



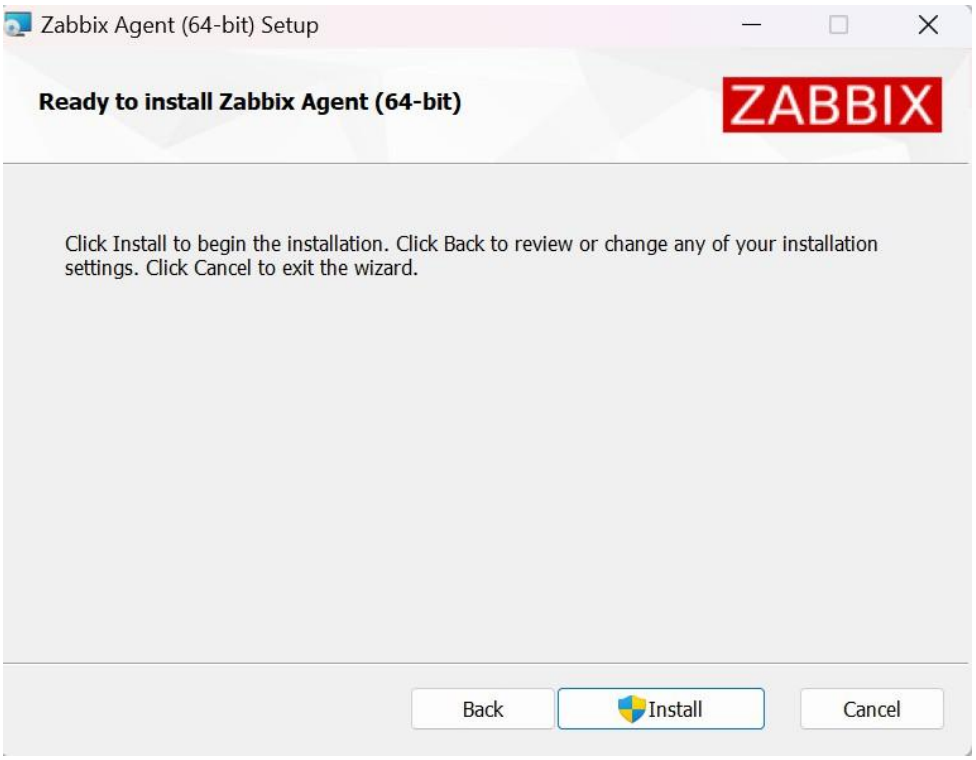
On laisse le chemin d’installation par défaut



On rentre l’adresse du serveur zabbix

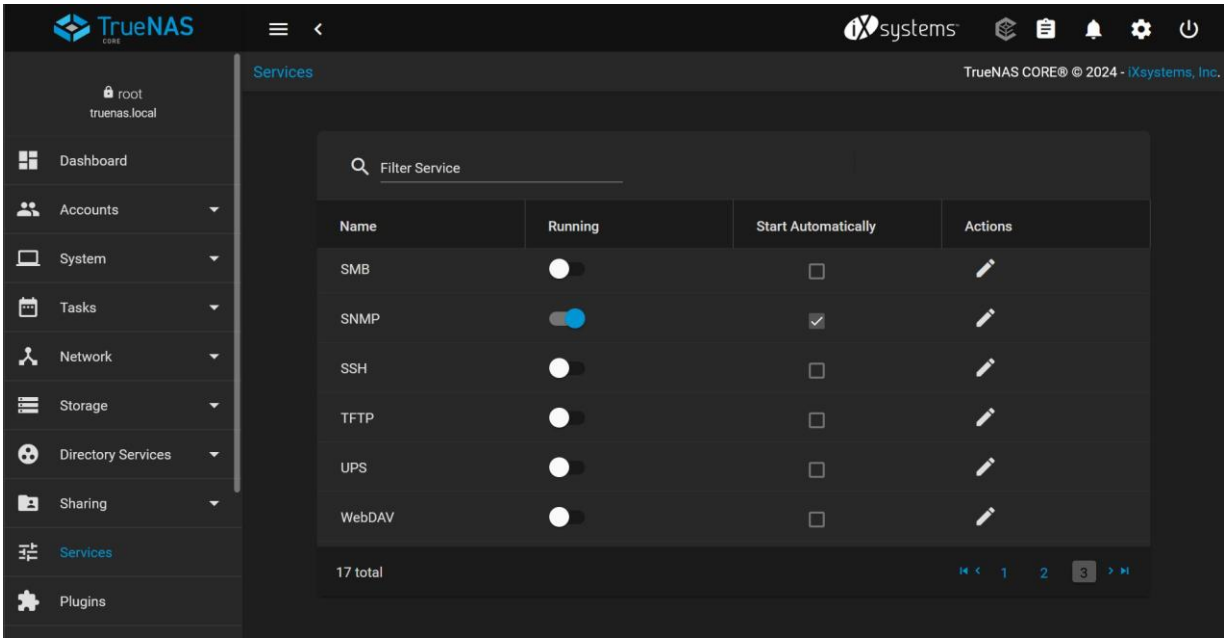


Cliquer sur Installer pour finaliser l'installation de l’agent Zabbix sur le Windows Server

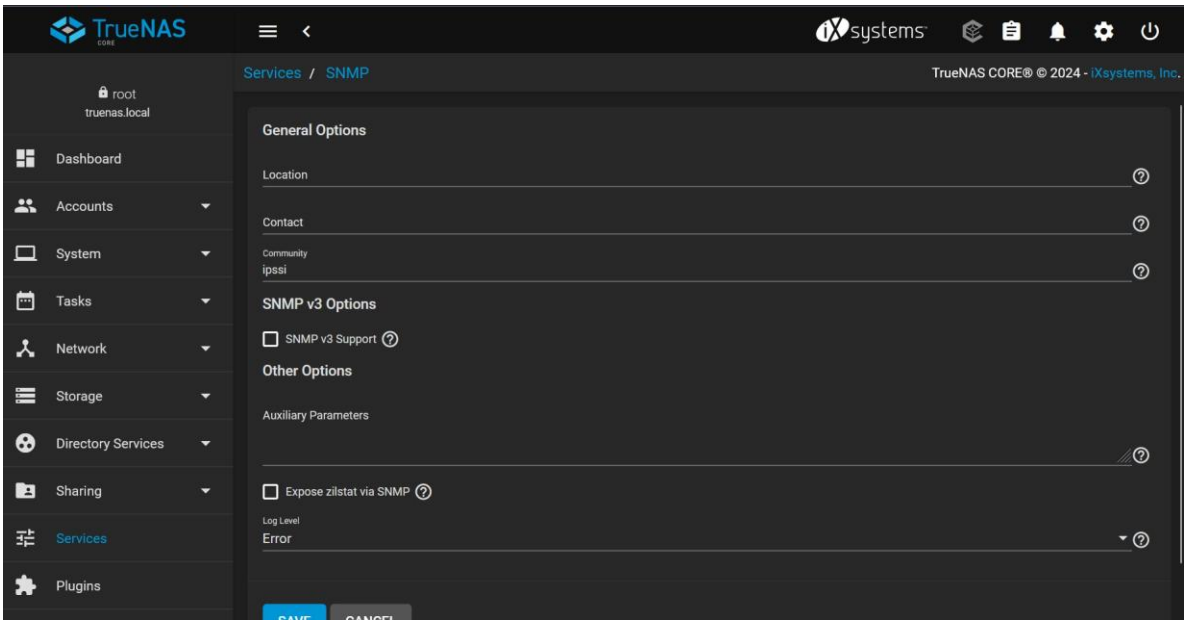


TrueNas via SNMP et ajout de l’hôte

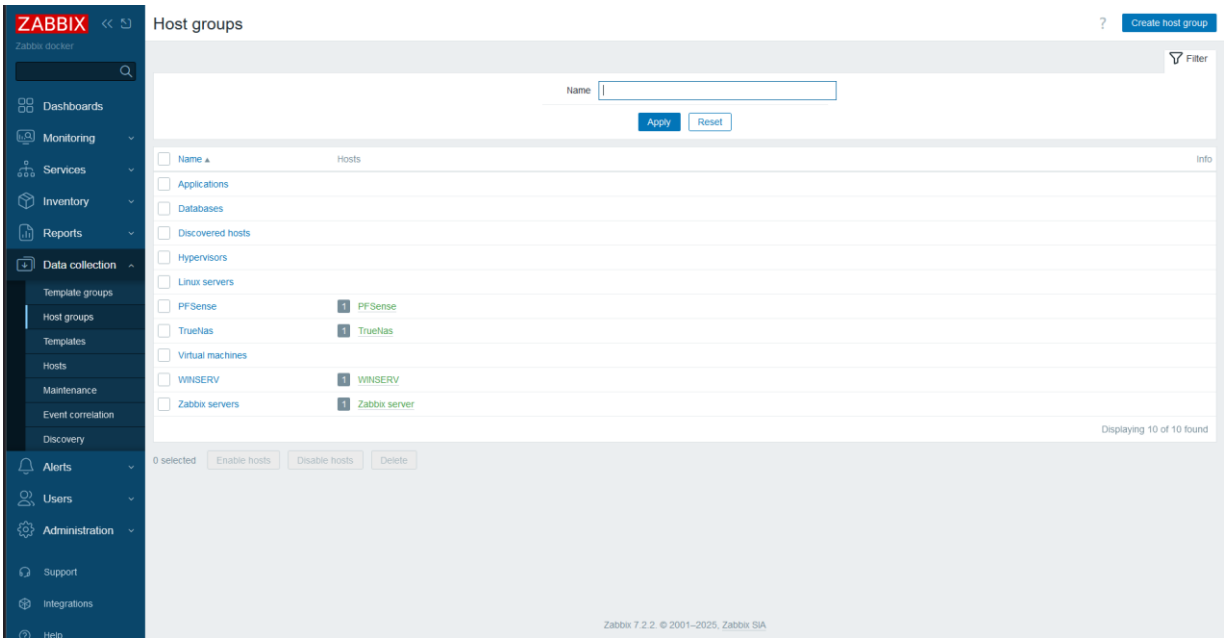
Tout d'abord, on active le service SNMP sur le TrueNas



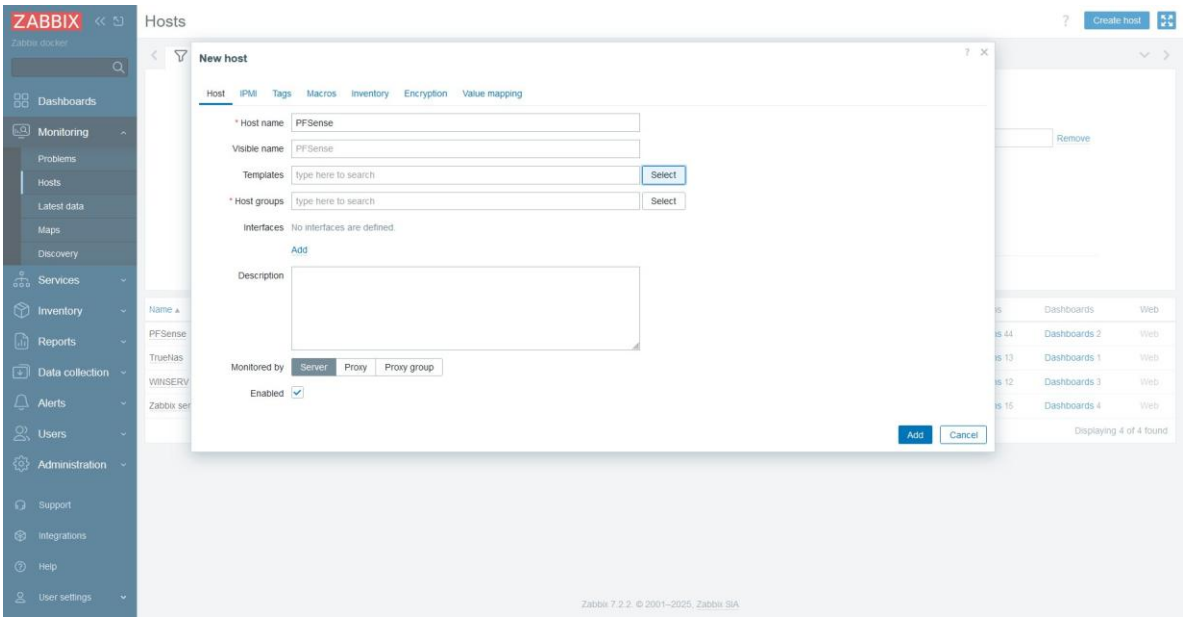
On clique sur action et on entre “ipssi” pour le champ Community.



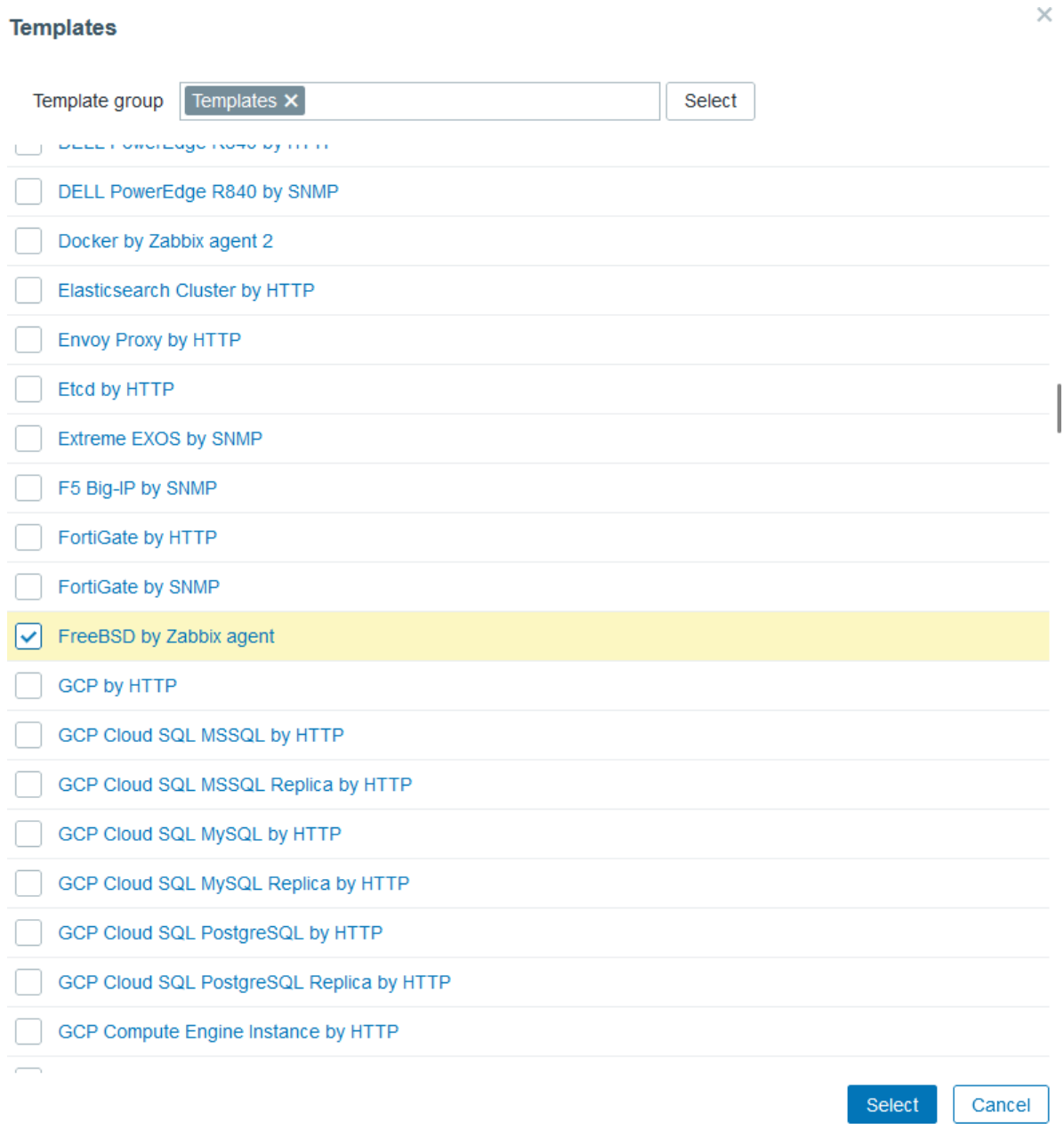
On va dans data collection et on crée un Host group



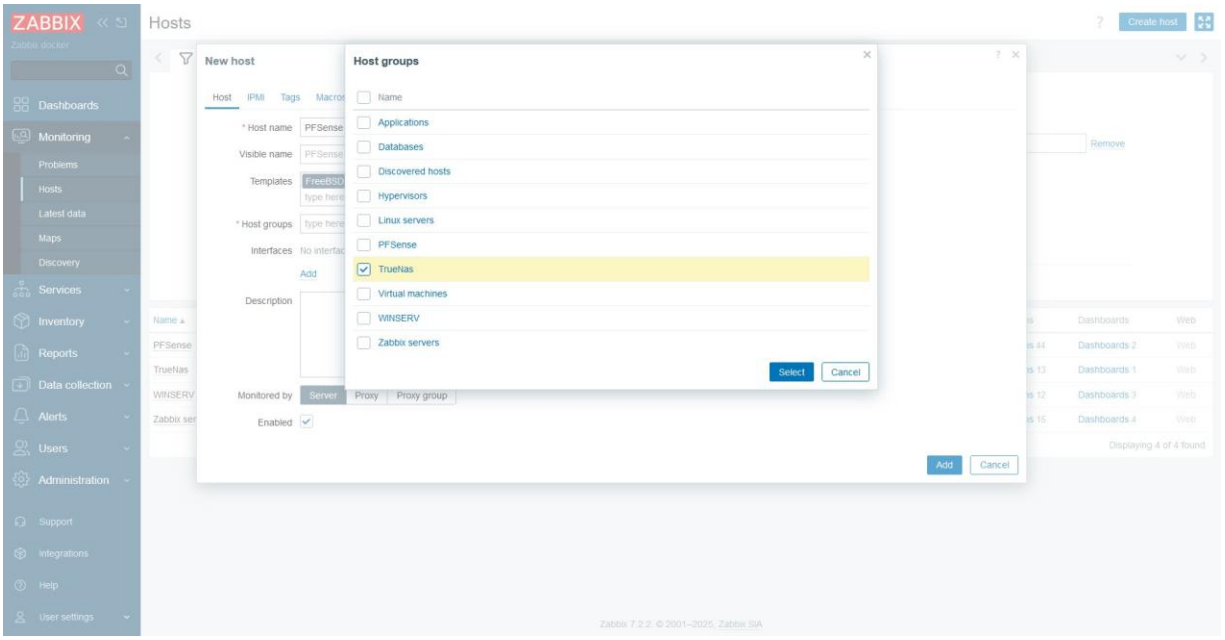
Sur la Page Hosts du menu Monitoring on clique sur “Create host”.
Ensuite on rentre les information nécessaires



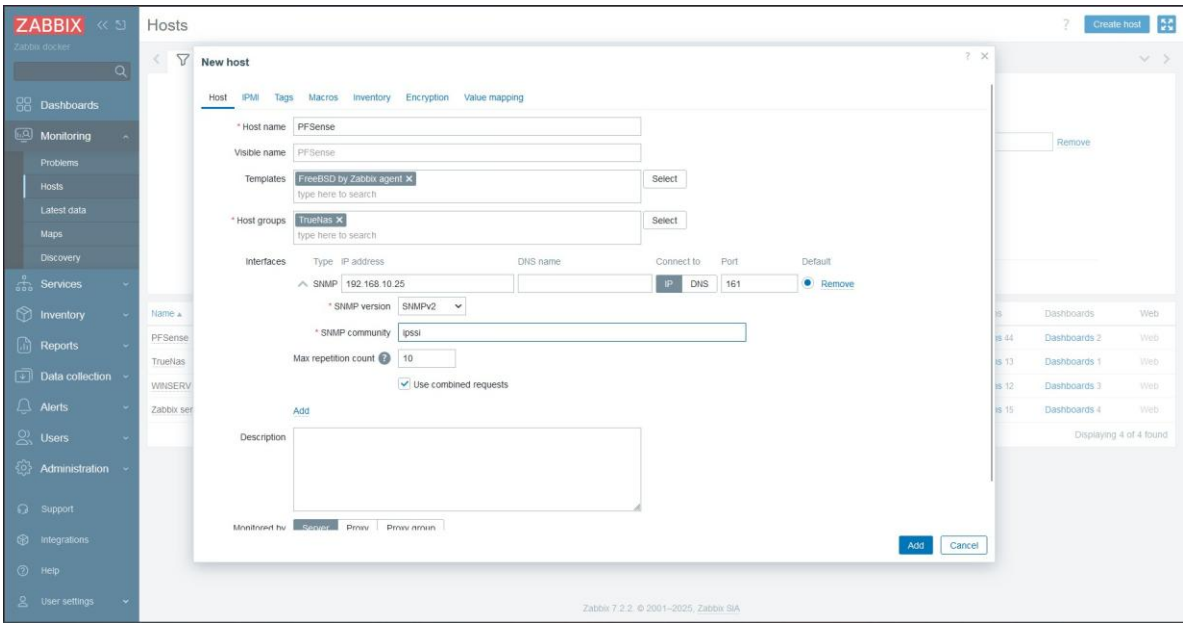
On sélectionne la Template voulue



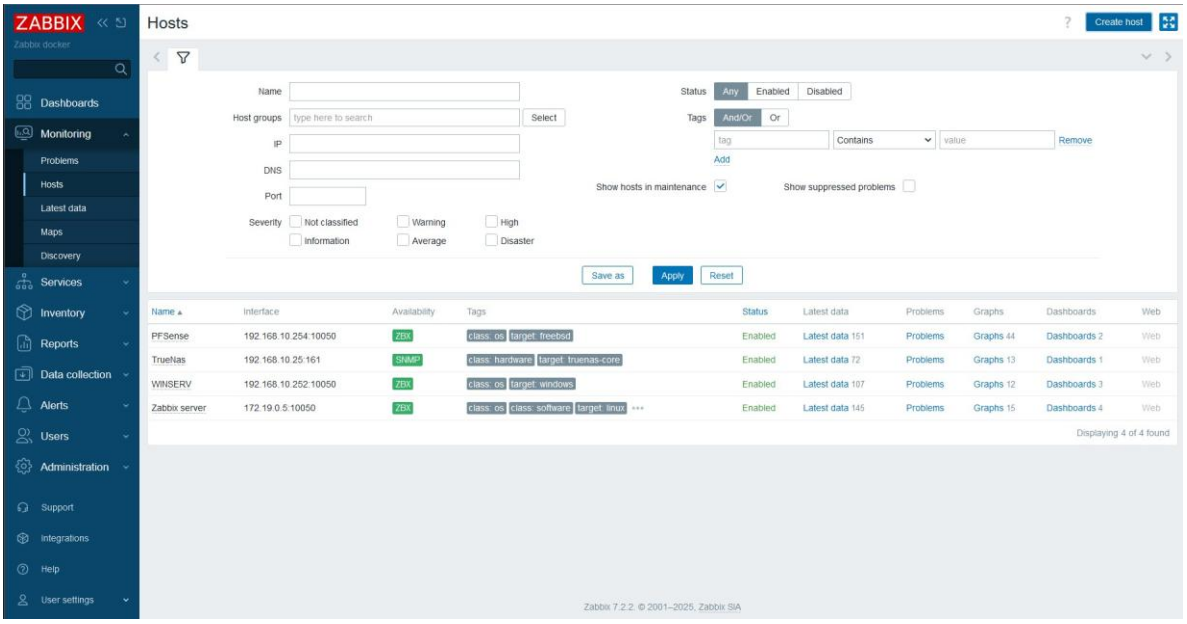
Puis on ajoute l’Host group



On rentre les données de l’interface ou on récupère les données.
Soit on rentre l’adresse IP, la version SNMP et l’SNMP Community

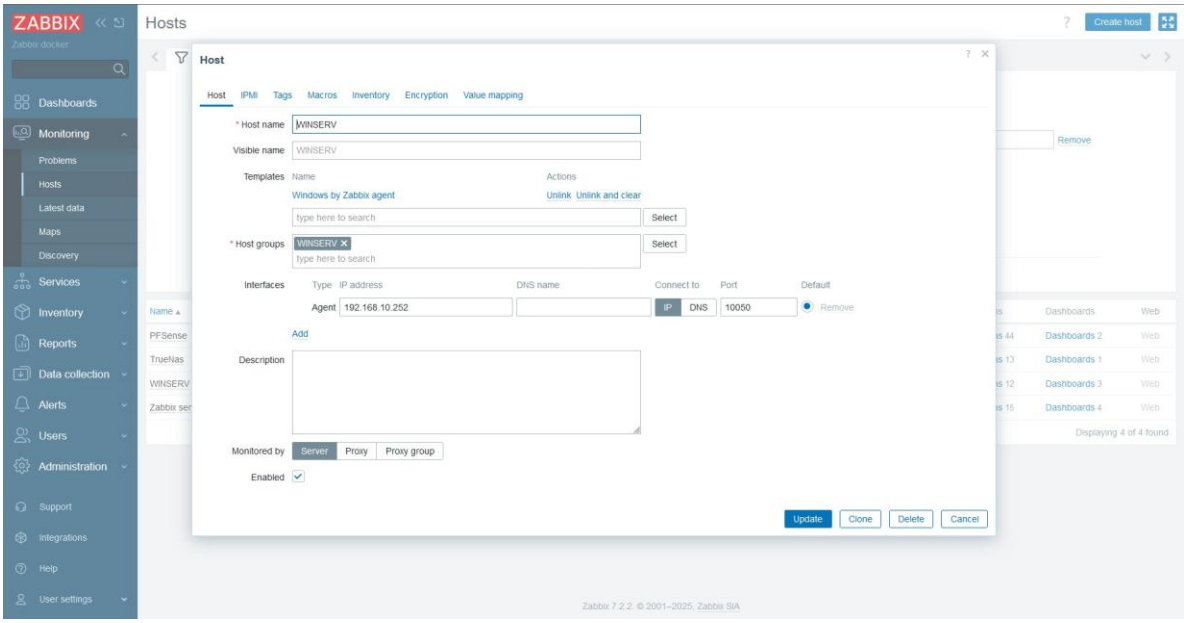


On clique sur “Add” et l'hôte se crée et les informations peuvent remonter

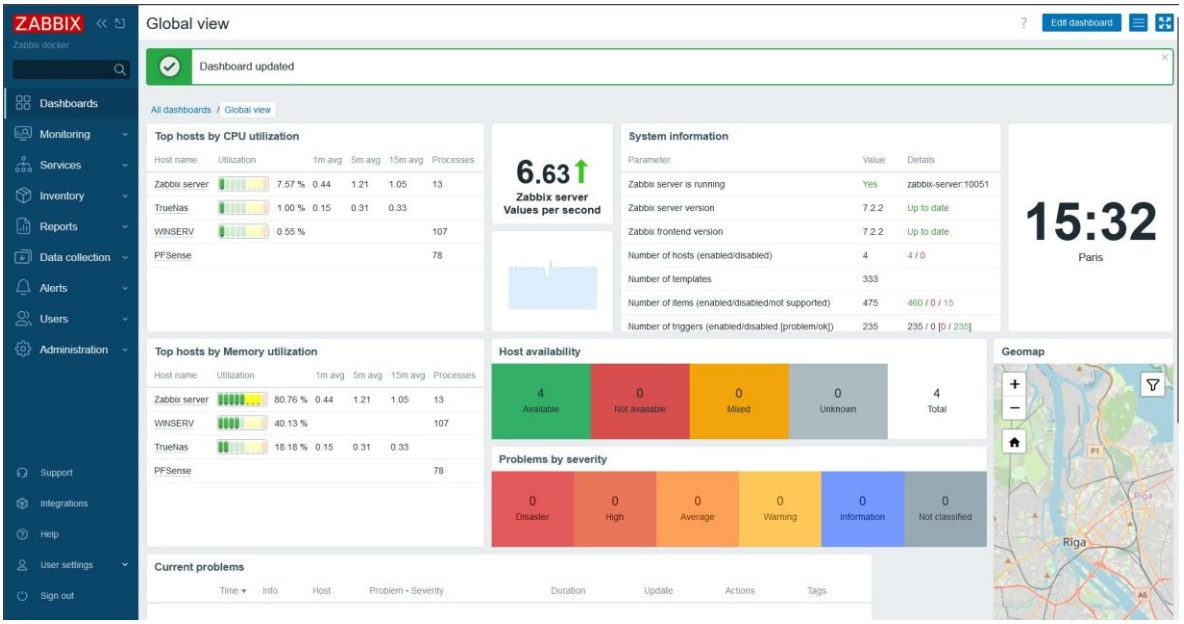


Ajout d’un hôte via Zabbix agent.

Pour remonter des données via zabbix agent on ajoute un hôte en rentrant les données nécessaires comme ci-dessous.
On sélectionne l’interface agent et on rentre l’adresse IP de la machine et le numéro de port du zabbix agent.



On édite son dashboard pour avoir les informations importantes sur les différents hôtes (Exemples: l’utilisation du CPU ou de la mémoire)



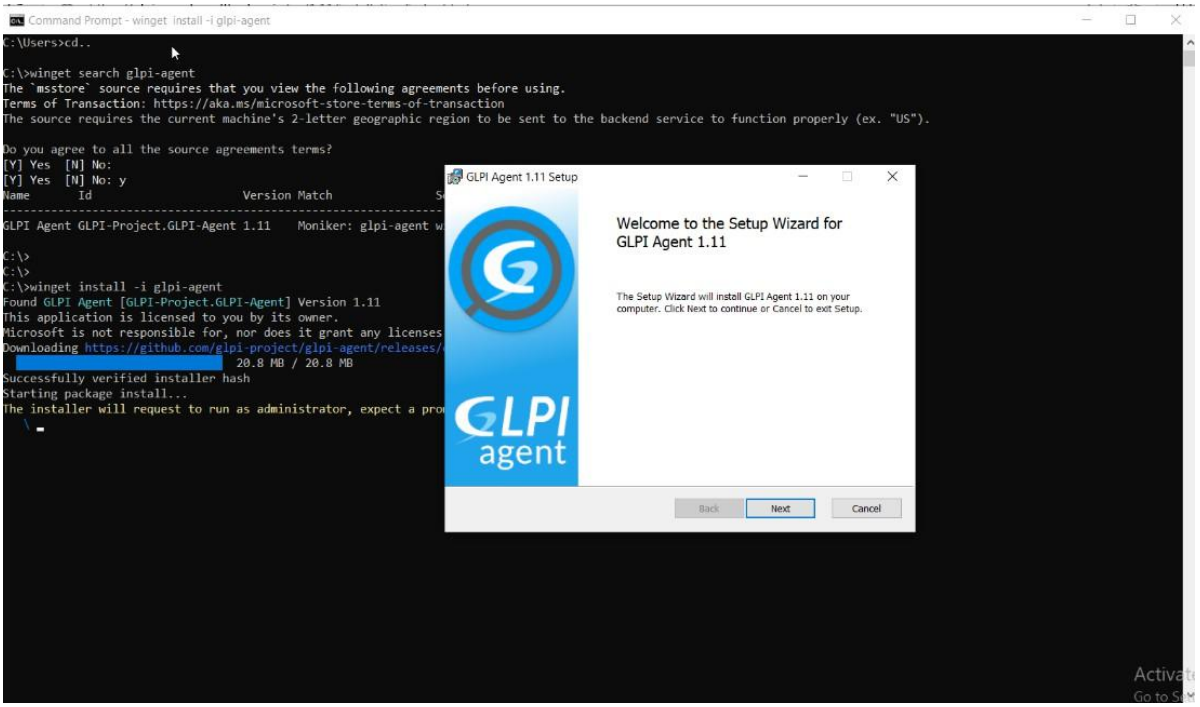
Installation de l’agent Zabbix sur un client Windows.

On vérifie la que l’agent glpi soit accessible

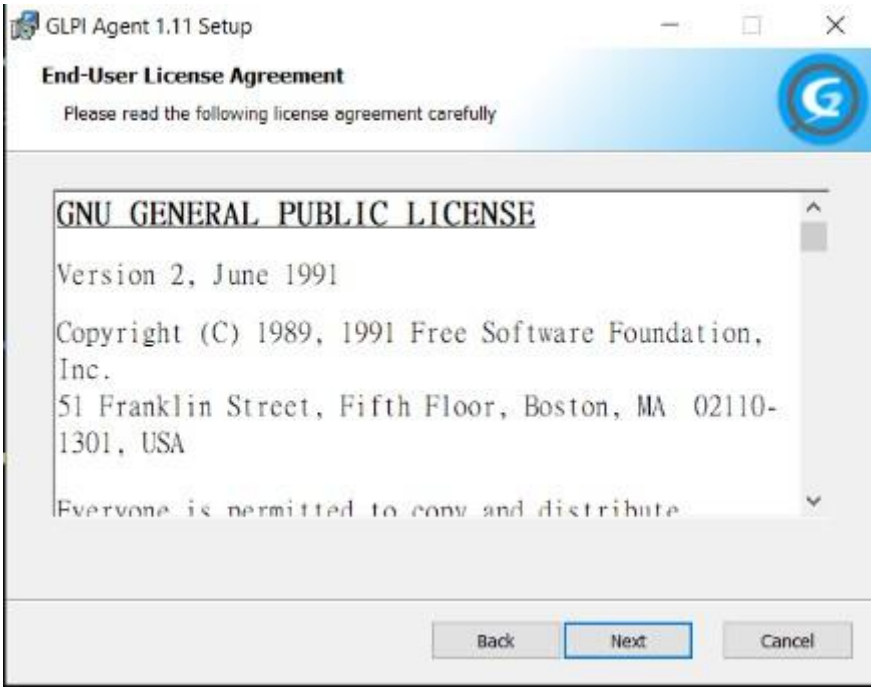
```
C:\>winget search glpi-agent
The `msstore` source requires that you view the following agreements before using.
Terms of Transaction: https://aka.ms/microsoft-store-terms-of-transaction
The source requires the current machine's 2-letter geographic region to be sent to the backend service to function properly (ex. "US").

Do you agree to all the source agreements terms?
[Y] Yes  [N] No:
[Y] Yes  [N] No: y
Name       Id                    Version Match              Source
-----------------------------------------------------------------------
GLPI Agent GLPI-Project.GLPI-Agent 1.11    Moniker: glpi-agent winget
```

On ouvre l'installeur de l’agent Zabbix

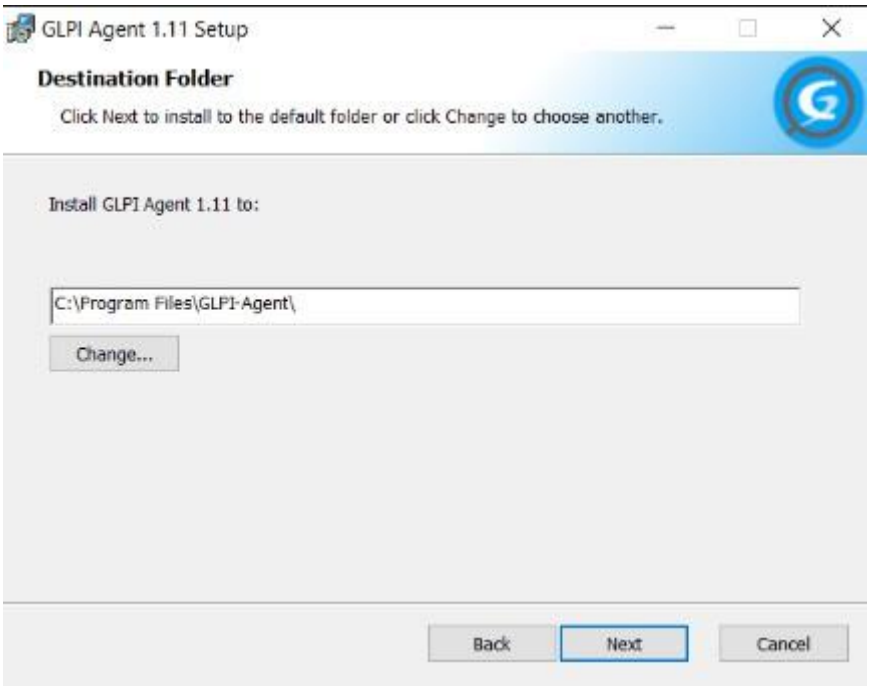
```
C:\>winget install -i glpi-agent
Found GLPI Agent [GLPI-Project.GLPI-Agent] Version 1.11
This application is licensed to you by its owner.
Microsoft is not responsible for, nor does it grant any licenses to, third-party packages.
Downloading https://github.com/glpi-project/glpi-agent/releases/download/1.11/GLPI-Agent-1.11-x64.msi
  20.8 MB / 20.8 MB
Successfully verified installer hash
Starting package install...
The installer will request to run as administrator, expect a prompt.
```



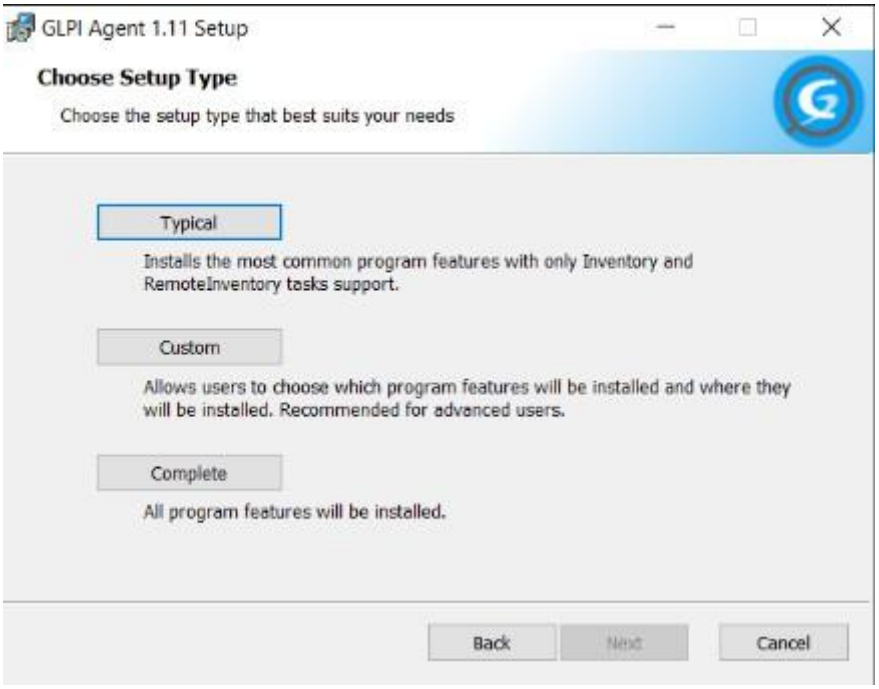
On accepte les termes du contrat de licence



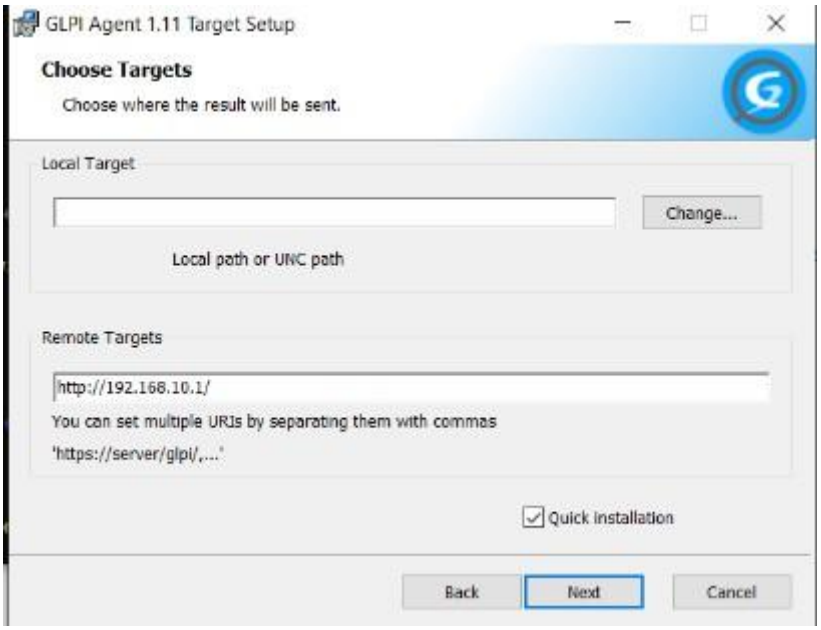
Choisir le dossier d’installation.



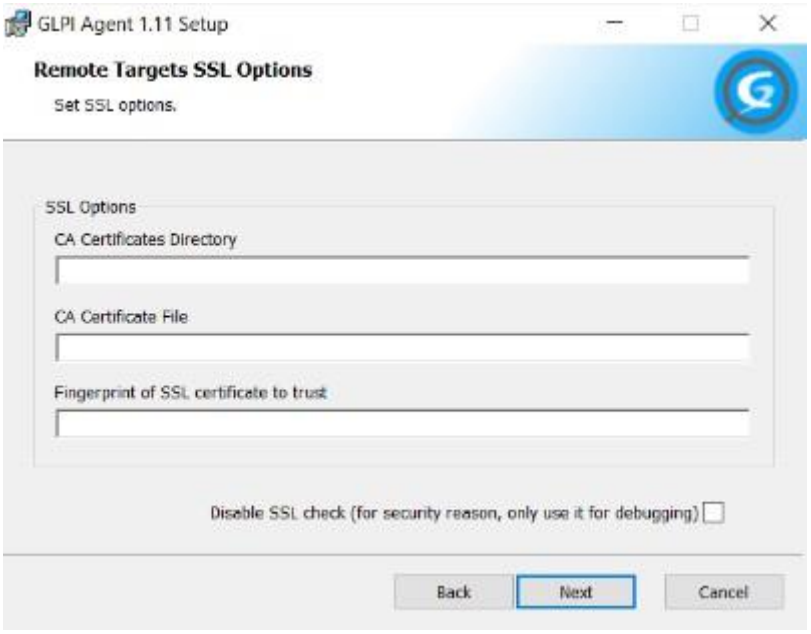
On choisit le type d’installation “Typical”



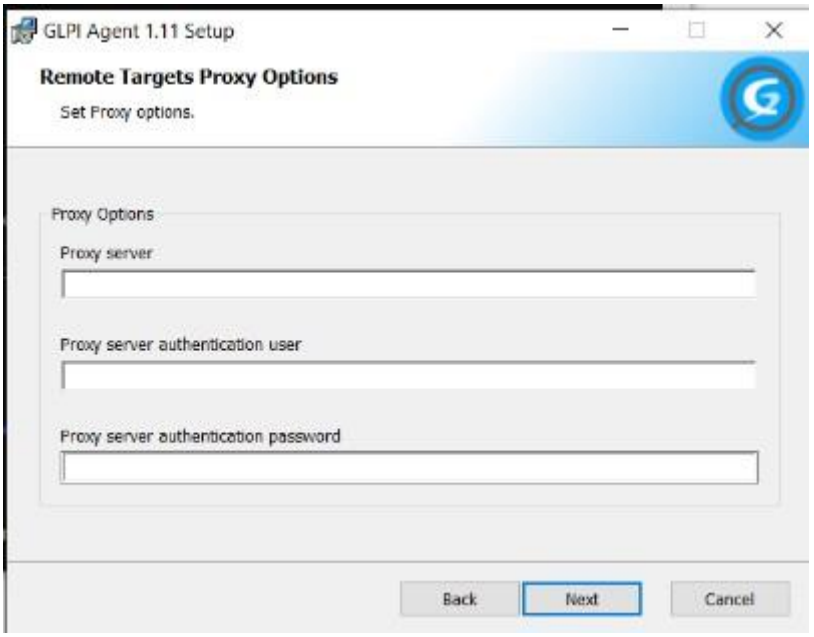
Indiquer l’url du serveur GLPI, décocher Quick installation et cliquer sur Next.



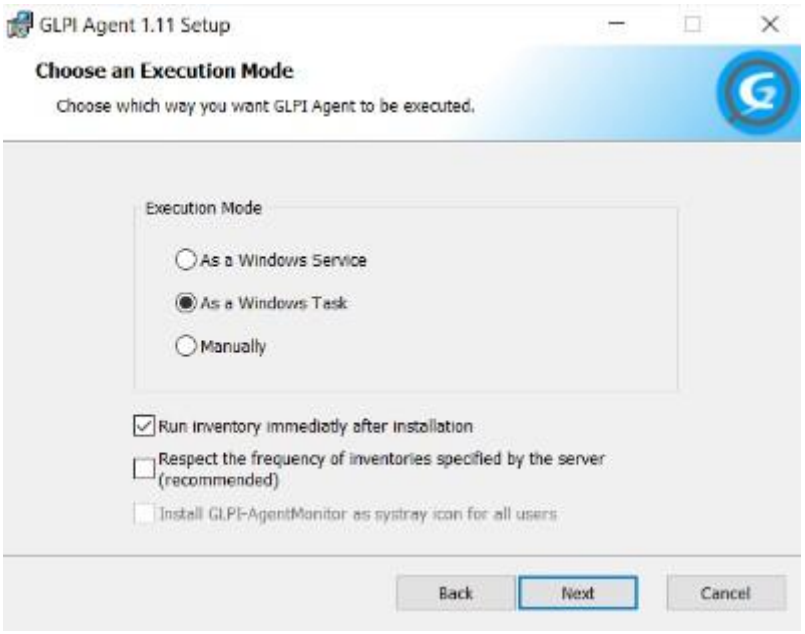
Passer les option SSL en cliquant sur Next.



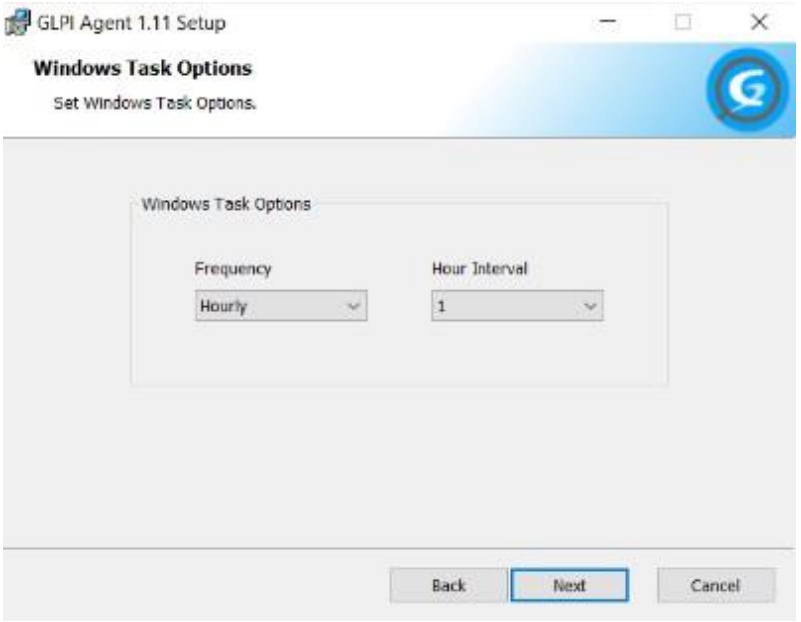
Cliquer sur Next.



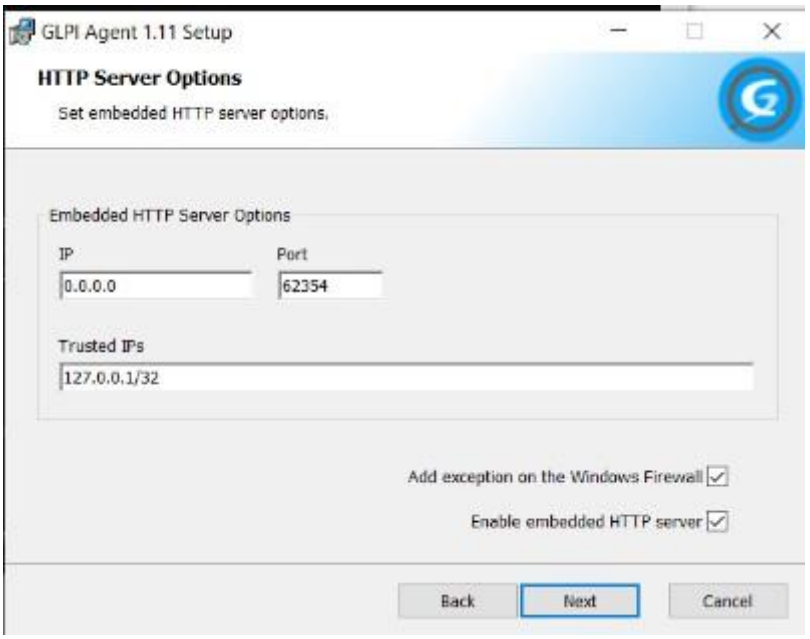
Choisir le mode d’exécution As a Windows Task, cocher la case Run inventory immediatly after installation, décocher la case Respect the frequency of inventories specified by the server et cliquer sur le bouton Next.



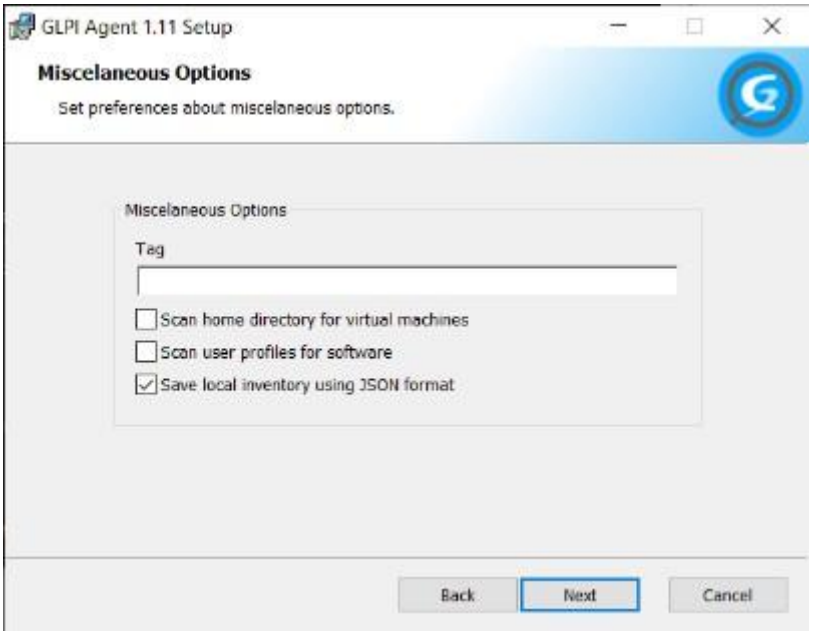
Configurer la fréquence des inventaires pour la tâche planifiée et cliquer sur Next.



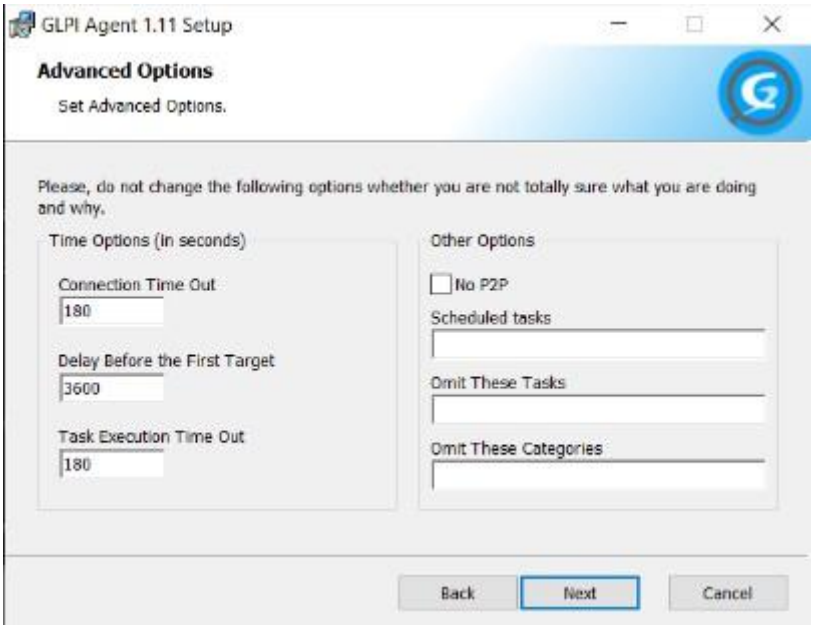
Désactiver le serveur en décochant la case Enable embedded HTTP Server, cliquer sur Next.



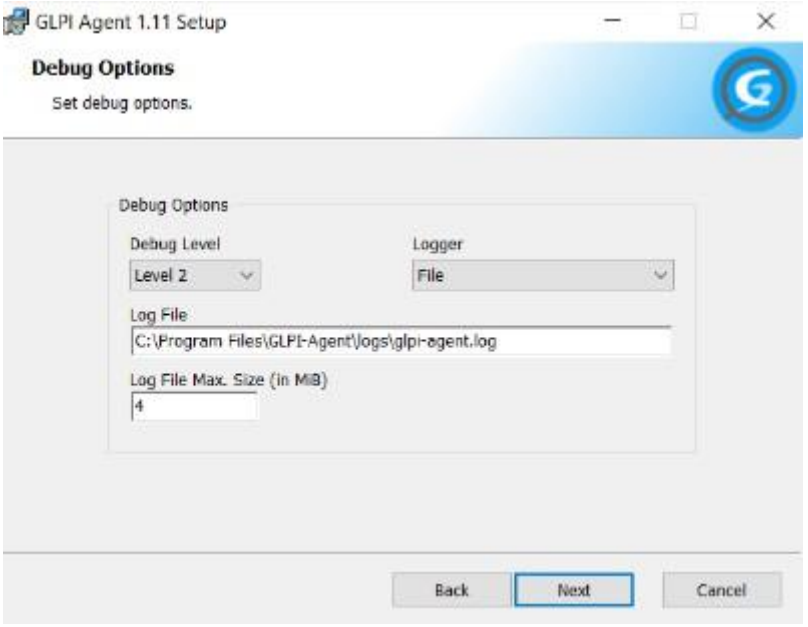
Mettre un Tag si souhaité. Cliquer sur Next.



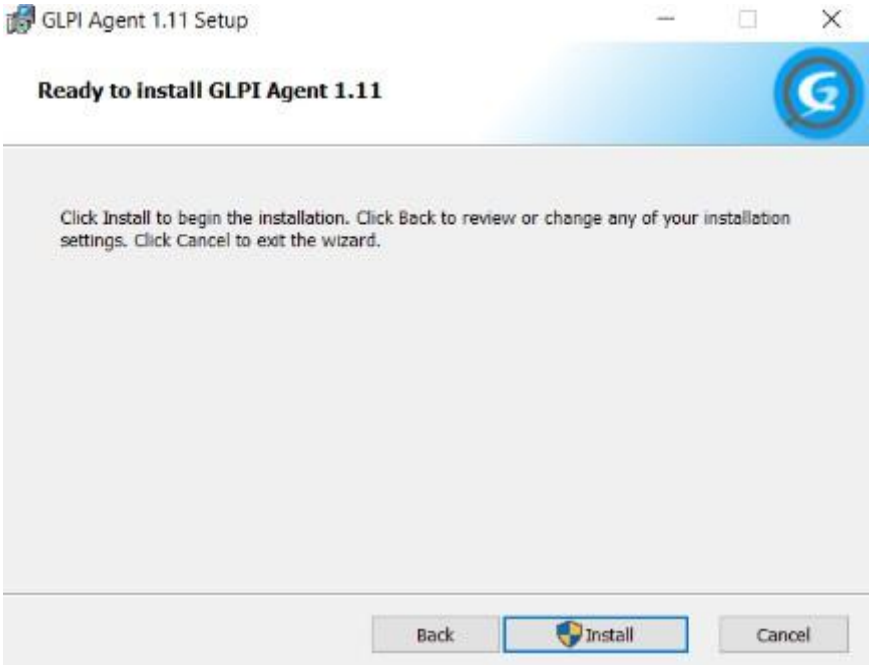
Passer les options avancées en cliquant sur le bouton Next.



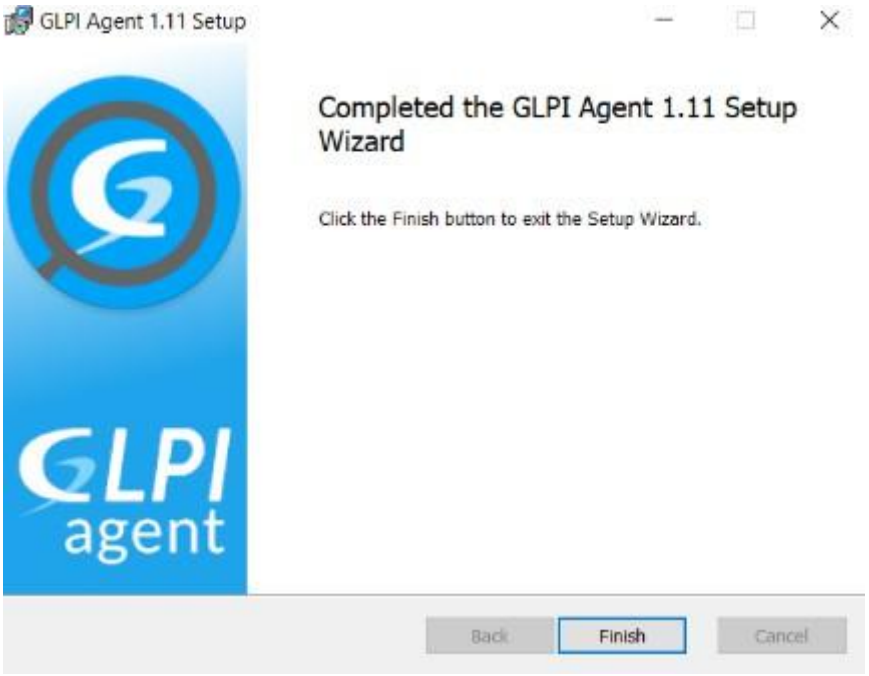
Pour faciliter les dépannages, sélectionner le niveau de debug à 2.



Cliquer sur “Installer”. Puis attendre la fin de l’installation.



Cliquer sur “Finish”.



On voit que notre client remonte dans GLPI.