

The background features a light gray field with blue and dark blue geometric shapes at the corners. On the left, there are circuit-like lines with small circles. On the right, there is a solid red circle and more circuit-like lines.

BTS SIO

Projet fils rouge

Semestre 2

Sommaire



L'équipe

Retour sur le semestre 1

Infrastructure du projet

Project deployment/ déploiement du projet

Configuration du parc de Nextech

Saving Strategy/ stratégie de Sauvegarde

01. L'équipe

Adam GHAJDAOUI

Miloud EL ISSAOUI

Ouassim SIDI IKHLEF

David Goulette



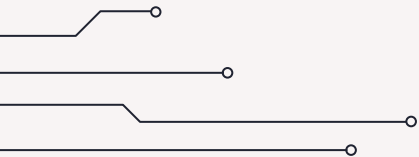
02 **Retour sur le semestre 1**



Retour sur le semestre 1







Objectif

Nous (prestataire) devons proposer et installer une solution d'infrastructure d'un parc informatique pour notre client : Nextech Pertuis



Retour sur le semestre 1

Contraintes

5 Salles Informatiques	Une salle Serveur	Le centre	Partie Admin
 20 postes Informatique (pour les élèves)	 2 switch manageable  1 routeur pare-feu  Un environnement cyber range	 3 bornes Wi-fi	 10 postes et un sous-réseau pour les salariés

Retour sur le semestre 1

Matériel

SMART



Spécifique



Mesurable



Atteignable



Réalisable



Temporellement défini



Trello

- Methode d'organisation



- Etablissement des logiciels utilisés



03 Infrastructure



Glpi



Salle des serveurs



Cyber-range



Internet



Switch 01



Fire Wall



modem



Borne Wi-Fi 01



Borne Wi-Fi 01

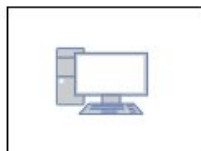


Borne Wi-Fi 01



Switch 02

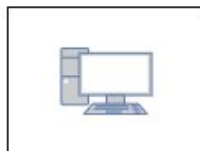
Salle 01



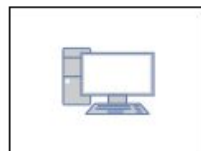
Salle 02



Salle 03



Salle 04



Salle 05



draw.io

Fait avec Draw.IO

04 **Project deployment**



4.1 Windows Server installation on a virtual machine

Glpi

needs

Microsoft

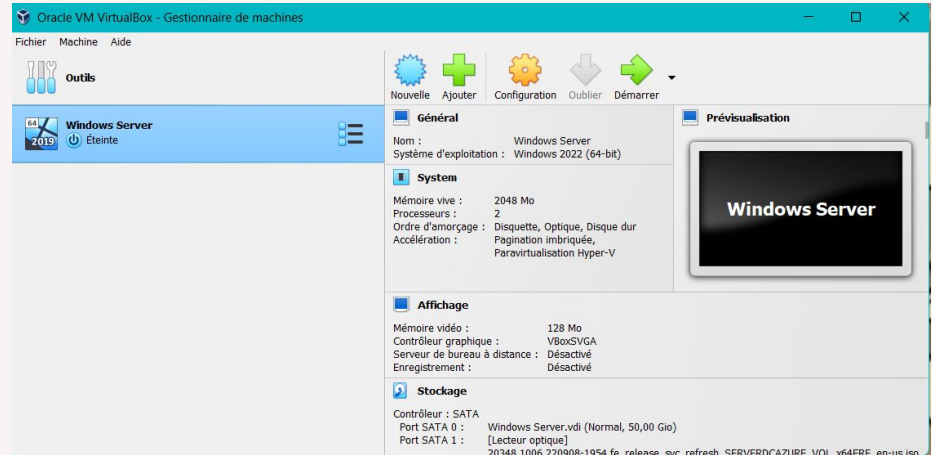
Windows Server

2022 Standard

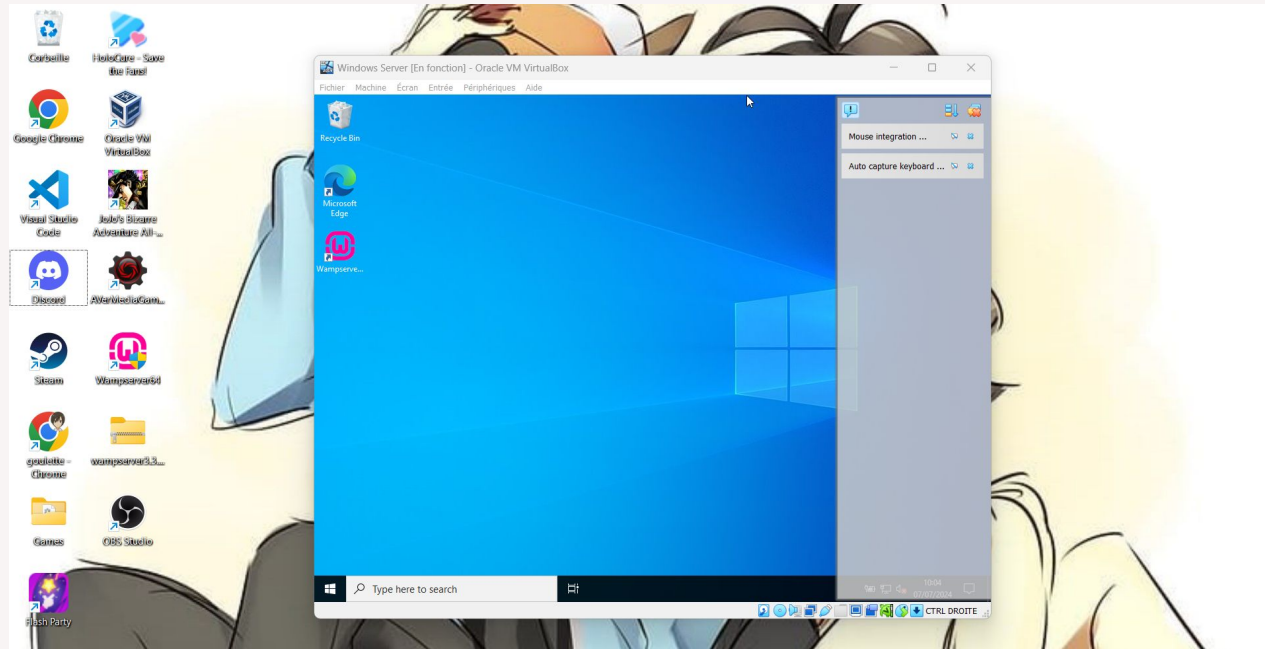
4.1 Windows Server installation on a virtual machine



VirtualBox

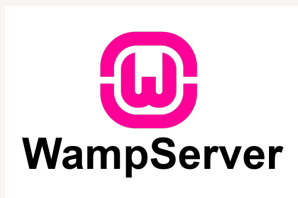


4.1 Windows Server installation on a virtual machine



4.1 Windows Server installation on a virtual machine

Needed



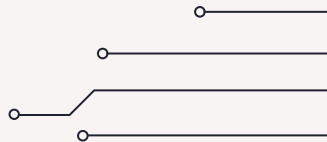
**Web server, PHP,
MySQL**

- The web server will be able to host GLPI
- PHP is a programming language used with GLPI
- MySQL is a database management system used by GLPI to store data



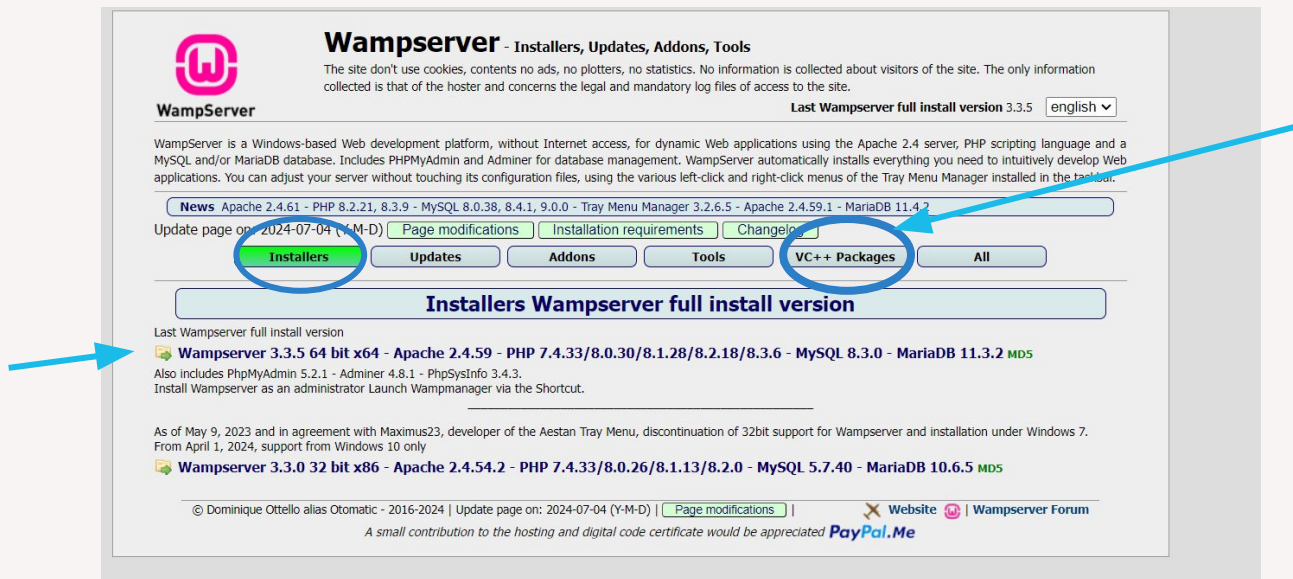
GLPI

Of course we will need to install GLPI on our virtual machine



4.2 GLPI installation

Step 1: Getting WAMP Server



The screenshot shows the WampServer website. A blue circle highlights the 'Installers' button in the navigation bar. Another blue circle highlights the 'VC++ Packages' button. A blue arrow points from the 'VC++ Packages' button to the text 'Be careful to not forget VC package'. A blue arrow points from the 'Installers' button to the 'Wampserver 3.3.5 64 bit x64' download link.

Wampserver - Installers, Updates, Addons, Tools

The site don't use cookies, contents no ads, no plotters, no statistics. No information is collected about visitors of the site. The only information collected is that of the hoster and concerns the legal and mandatory log files of access to the site.

WampServer Last Wampserver full install version 3.3.5 english ▾

WampServer is a Windows-based Web development platform, without Internet access, for dynamic Web applications using the Apache 2.4 server, PHP scripting language and a MySQL and/or MariaDB database. Includes PHPMyAdmin and Adminer for database management. WampServer automatically installs everything you need to intuitively develop Web applications. You can adjust your server without touching its configuration files, using the various left-click and right-click menus of the Tray Menu Manager installed in the task bar.

News Apache 2.4.61 - PHP 8.2.21, 8.3.9 - MySQL 8.0.38, 8.4.1, 9.0.0 - Tray Menu Manager 3.2.6.5 - Apache 2.4.59.1 - MariaDB 11.4.2

Update page on: 2024-07-04 (Y-M-D) Page modifications Installation requirements Changelog

Installers Updates Addons Tools **VC++ Packages** All

Installers Wampserver full install version

Last Wampserver full install version

📦 **Wampserver 3.3.5 64 bit x64 - Apache 2.4.59 - PHP 7.4.33/8.0.30/8.1.28/8.2.18/8.3.6 - MySQL 8.3.0 - MariaDB 11.3.2 MD5**

Also includes PhpMyAdmin 5.2.1 - Adminer 4.8.1 - PhpSysInfo 3.4.3.

Install Wampserver as an administrator Launch Wampmanager via the Shortcut.

As of May 9, 2023 and in agreement with Maximus23, developer of the Aestan Tray Menu, discontinuation of 32bit support for Wampserver and installation under Windows 7. From April 1, 2024, support from Windows 10 only

📦 **Wampserver 3.3.0 32 bit x86 - Apache 2.4.54.2 - PHP 7.4.33/8.0.26/8.1.13/8.2.0 - MySQL 5.7.40 - MariaDB 10.6.5 MD5**

© Dominique Ottello alias Otomatic - 2016-2024 | Update page on: 2024-07-04 (Y-M-D) | Page modifications | Website | Wampserver Forum

A small contribution to the hosting and digital code certificate would be appreciated **PayPal.Me**

Be careful to not forget VC package

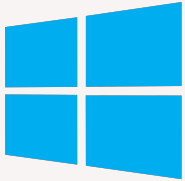
4.2 GLPI installation

What is Wamp Server ?



WampServer

Web development platform that allows to create and manage web applications using these softwares Apache, MySQL and PHP



Windows



Apache



MySQL



PHP

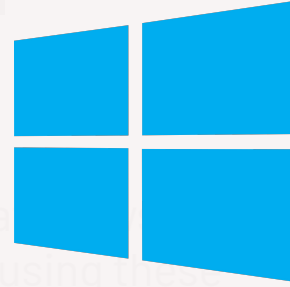
3.2 GLPI installation

What is Wamp Server ?

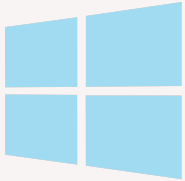


WampServer

Web development platform that allows you to create and manage web applications using these three softwares Apache, MySQL and PHP



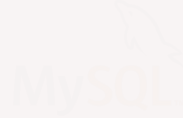
Windows, our operating system



Windows



Apache



MySQL



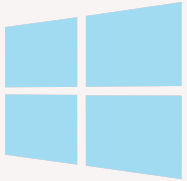
PHP

3.2 GLPI installation

What is Wamp Server ?



WampServer



Windows

Web development platform that allows you to create, test, and manage web applications using these softwares Apache, MySQL and PHP



Apache



Apache, HTTP server used to host, GLPI



MySQL



PHP



MySQL, provides a database management system

Installation



Web development platform that allows to create web applications using these software stack, Apache, MySQL and PHP



MySQL



PHP





**PHP, scripting language suited for
web development**

Installation

Environment platform that allows to create
web applications using these
software: Apache, MySQL and PHP



MySQL

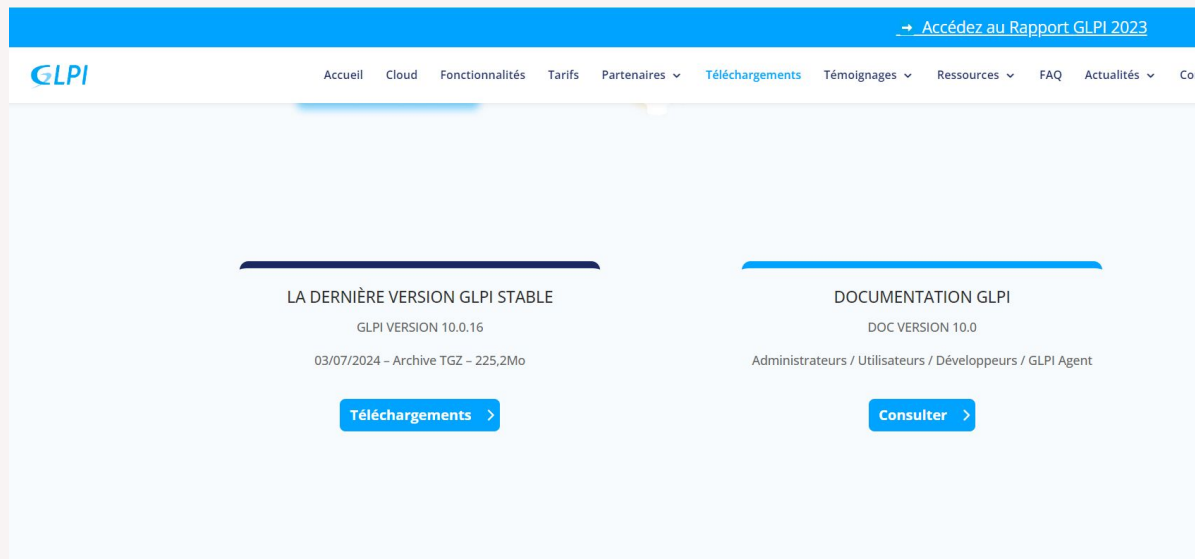


PHP



4.2 GLPI installation

Step 2 : Installing GLPI



4.2 GLPI installation

Step 3 : Creating a database for GLPI



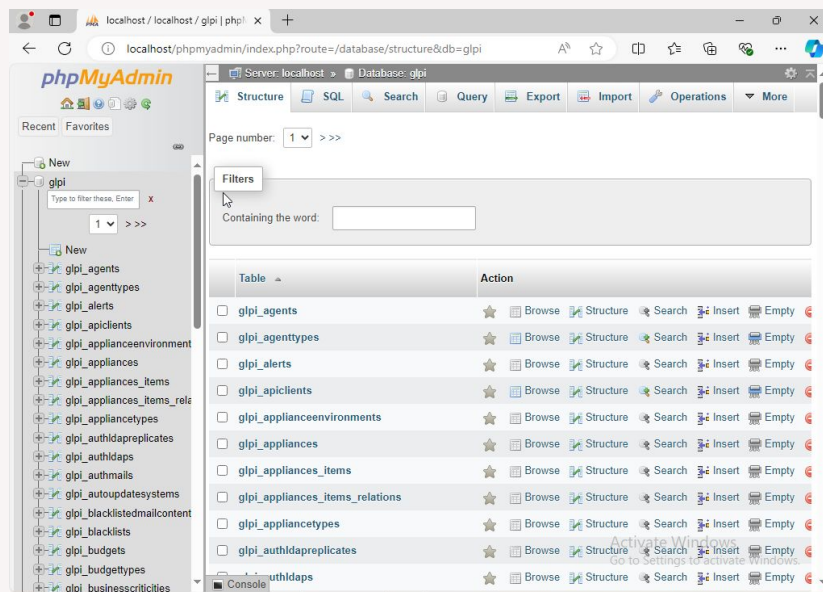
WampServer



Launching Wamp server !



4.2 GLPI installation

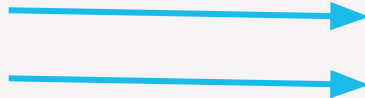


Now we have access to

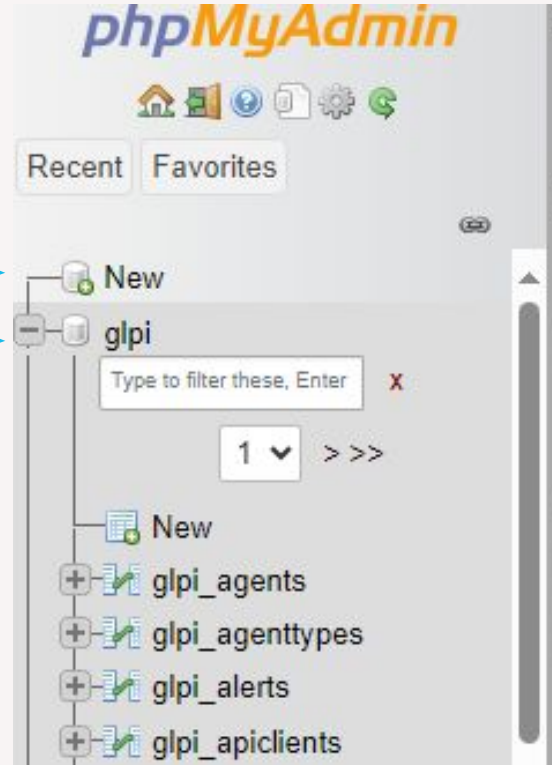
4.2 GLPI installation



We create a new database by clicking here

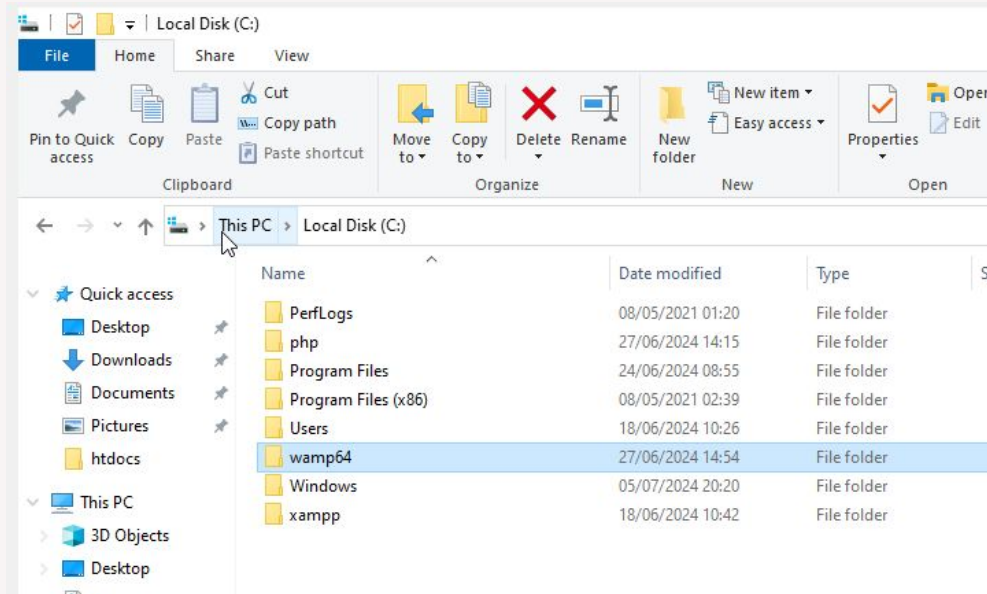


Then, our new GLPI database we just created is found here



4.2 GLPI installation

Step 4 : Setting up the Web server for GLPI



In our Local Disc (c) we get to the wamp's root folder "wamp64"

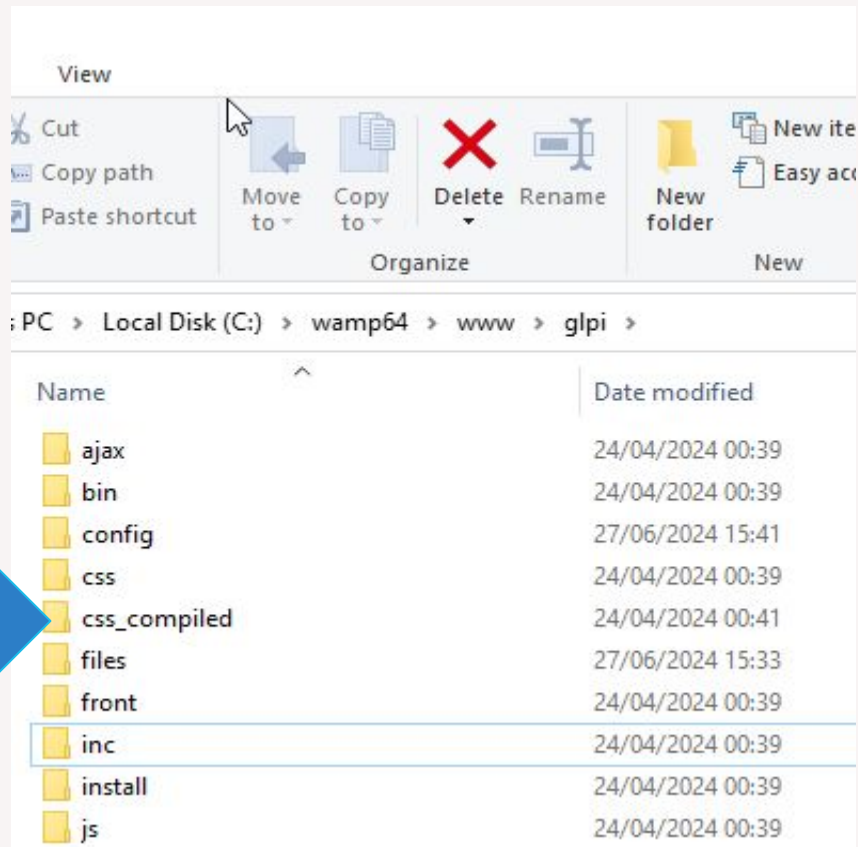
In the www folder, we create a GLPI folder and then we extract the ZIP GLPI we just downloaded



glpi-10.0.16.tgz

57,1 Mo • Il y a 2 minutes

Extract
to





glpi-10.0.16.tgz

57,1 Mo • Il y a 2 minutes



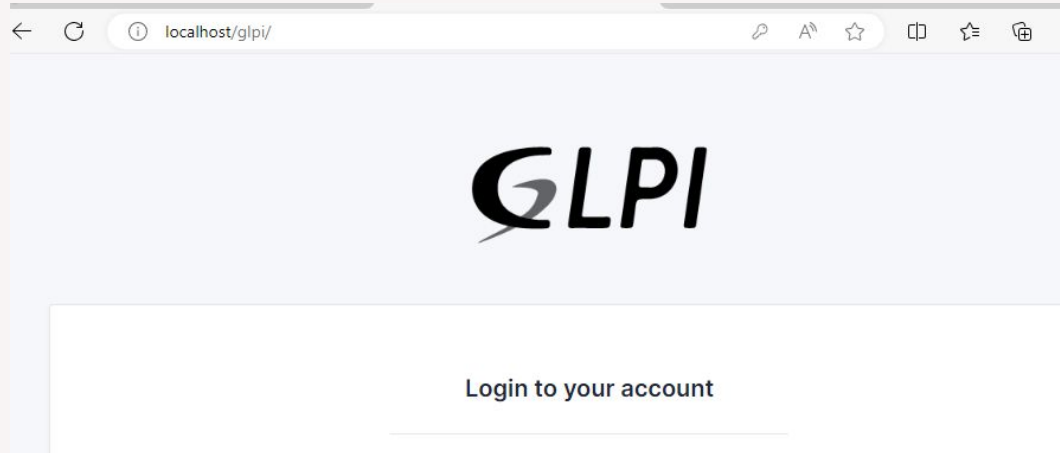
> This PC > Local Disk (C:) > wamp64 > www

By doing this, we gave GLPI acces to the web
apache server



We can finally access with our web browser to GLPI application by getting to this address :

`http://localhost/glpi`



5.2 Installation de GLPI

Step 5 : GLPI configuration

<http://localhost/glpi>



We can connect to the application like this :

User :

glpi

Password :

glpi

A screenshot of the GLPI installation setup screen. The background is dark blue. In the center is a white box with a blue header containing the GLPI logo and the text 'GLPI SETUP'. Below the header, it says 'Étape 1' and 'Configuration de la connexion à la base de données'. The main content area is titled 'Paramètres de connexion à la base de données' and contains three input fields: 'Serveur SQL (MariaDB ou MySQL)' with 'localhost' entered, 'Utilisateur SQL' with 'glpiuser' entered, and 'Mot de passe SQL' with '*****' entered. A yellow 'Continuer' button is at the bottom right of the white box.

The background features a light gray field with abstract geometric shapes in blue and cyan at the corners. In the top right, there is a red circle and several thin black lines that resemble a circuit board. In the bottom left, there are also thin black lines resembling a circuit board.

**GLPI is now
installed !**



05 **Configuration du parc de Nextech**

5.1 Création des profils

GLPI

Chercher dans le menu

Parc

Assistance

Gestion

Outils

Administration

Utilisateurs

Groupes

Entités

Règles

Dictionnaires

Profils

File d'attente des notifications

Journaux

Inventaire

Accueil / Administration / Profils

Rechercher

Éléments visualisés ▼ contient ▼

régle (*) groupe Rechercher ☆

Actions

<input type="checkbox"/>	NOM ▲	DERNIÈRE MODIFICATION	ID
<input type="checkbox"/>	Admin		3
<input type="checkbox"/>	Eleve	2024-07-05 19:41	10
<input type="checkbox"/>	Hotliner		5
<input type="checkbox"/>	Observer		2
<input type="checkbox"/>	Read-Only		8
<input type="checkbox"/>	Salariés- Nextech	2024-07-05 19:02	9
<input type="checkbox"/>	Self-Service		1
<input type="checkbox"/>	Super-Admin		4
<input type="checkbox"/>	Supervisor		7
<input type="checkbox"/>	Technician		6

20 lignes / page De 1 à 10 sur 10 lignes

Activate Windows
Go to Settings to activate Windows.

- **Salariés-
nettech**
- **Elève**

5.1 Création des profils



Profil : Salariés

- Prof 1
- Prof 2
- Prof 3

Profil : Eleve

- Eleve 1
- Eleve 2
- Eleve3
- Etc

Inherit from



5.2 Paramètre du profil “élève”

Profil

Assistance

Cycles de vie

Outils

Configuration

Utilisateurs 1

Historique 115

Tous

Nom

Eleve

Profil par défaut

☐

Interface du profil

Interface simplifiée ▾

Mise à jour du mot de passe

☒

Formulaire de création de tickets à la connexion

☒

Commentaires

Supprimer définitivement

Sauvegarder

Démonstration

localhost / localhost / glpi | php | x Nouveau ticket - GLPI

localhost/glpi/front/helpdesk.public.php?create_ticket=1

Accueil / + Créer un ticket

GLPI

- Accueil
- + Créer un ticket
- Réservations**
- Foire aux questions

Description de la demande ou de l'incident

Type Incident

Catégorie -----

Urgence Moyenne

Observateurs x 20 Salariés - Nextech -

Titre plus de papier dans l'imprimante

Description

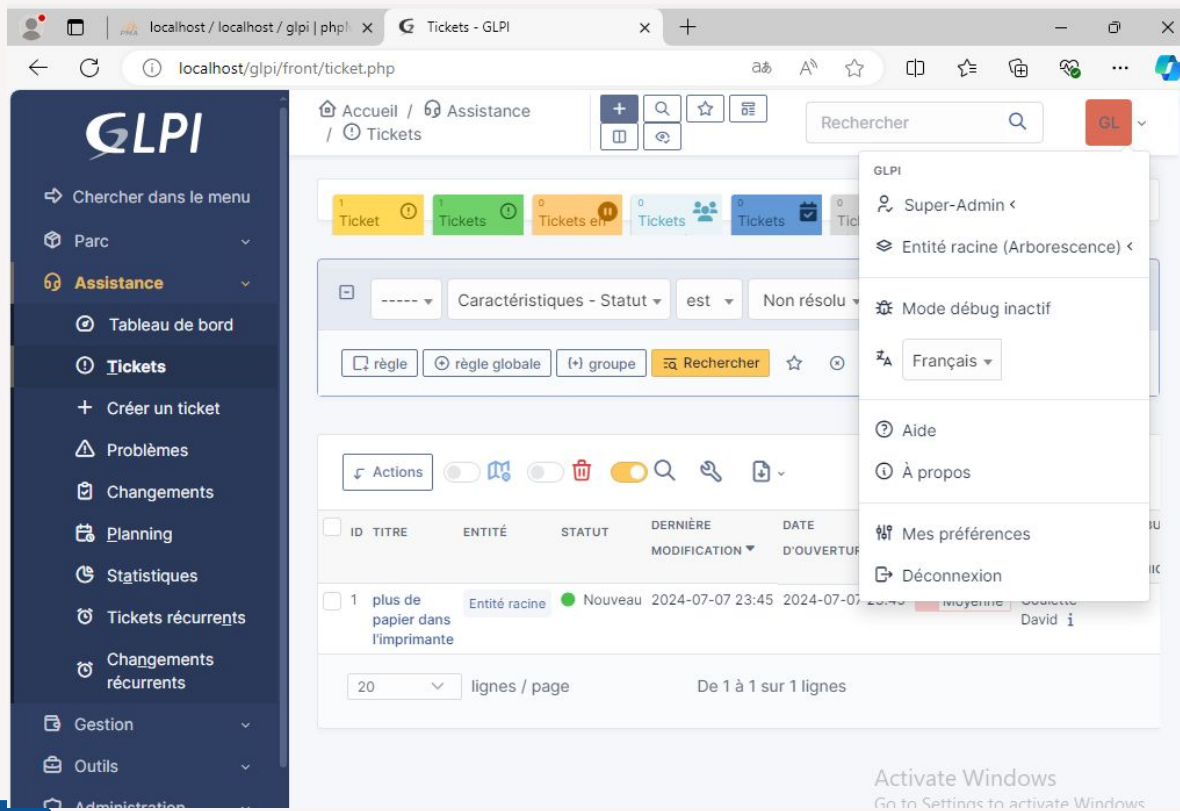
Paragraphe

Y'a plus de papier dans l'imprimante
c'est chaud

Fichier(s) (2 Mio maximum)

Activate Windows
Go to Settings to activate Windows.

Démonstration



The screenshot displays the GLPI web interface in a browser window. The address bar shows the URL `localhost/glpi/front/ticket.php`. The interface includes a dark sidebar menu on the left with the GLPI logo and navigation options like 'Chercher dans le menu', 'Parc', 'Assistance', 'Tableau de bord', 'Tickets', 'Créer un ticket', 'Problèmes', 'Changements', 'Planning', 'Statistiques', 'Tickets récurrents', 'Changements récurrents', 'Gestion', 'Outils', and 'Administration'. The main content area shows the 'Tickets' page with a header bar containing 'Accueil / Assistance / Tickets', a search bar, and a 'Rechercher' button. Below the header, there are several status filters (Ticket, Tickets, Tickets en, Tickets, Tickets) and a table of tickets. A dropdown menu is open, showing options like 'GLPI', 'Super-Admin', 'Entité racine (Arborescence)', 'Mode debug inactif', 'Français', 'Aide', 'À propos', 'Mes préférences', and 'Déconnexion'. The table lists ticket details including ID, Titre, Entité, Statut, Dernière modification, and Date d'ouverture.

GLPI

Super-Admin <

Entité racine (Arborescence) <

Mode debug inactif

Français ▾

Aide

À propos

Mes préférences

Déconnexion

Accueil / Assistance / Tickets

Rechercher

Ticket Tickets Tickets en Tickets Tickets

Caractéristiques - Statut est Non résolu

règle règle globale groupe Rechercher

Actions

ID	TITRE	ENTITÉ	STATUT	DERNIÈRE MODIFICATION	DATE D'OUVERTURE
1	plus de papier dans l'imprimante	Entité racine	Nouveau	2024-07-07 23:45	2024-07-07

20 lignes / page De 1 à 1 sur 1 lignes

Démonstration

The screenshot displays the GLPI web interface in a browser window. The browser's address bar shows the URL `localhost/gpi/front/helpdesk.public.php`. The page title is "Accueil - GLPI".

Left Sidebar (Navigation Menu):

- Accueil
- + Créer un ticket
- Réservations
- Foire aux questions

Main Content Area:

- Accueil** (Header)
- Aucun formulaire disponible** (Status)
- Tickets** (Section Header)
- Nouveau** (Green dot)
- En cours (Attribué)** (Yellow dot)
- En cours (Planifié)** (Calendar icon)
- En attente** (Orange dot)
- Résolu** (Blue circle) **0**
- Clos** (Black circle) **0**
- Supprimé** (Red trash icon) **0**

User Menu (Top Right):

- GOULETTE DAVID
- Eleve <
- Entité racine <
- Français ▾
- Aide
- À propos
- Mes préférences
- Déconnexion

Footer:

- NOTES PUBLICQUES
- FLUX RSS PUBLICS

Windows Watermark:

Activate Windows
Go to Settings to activate Windows.



06 **Saving strategy**

06. Saving Strategy


veeam

...But what is VEEAM ?




06. Saving Strategy

veeam



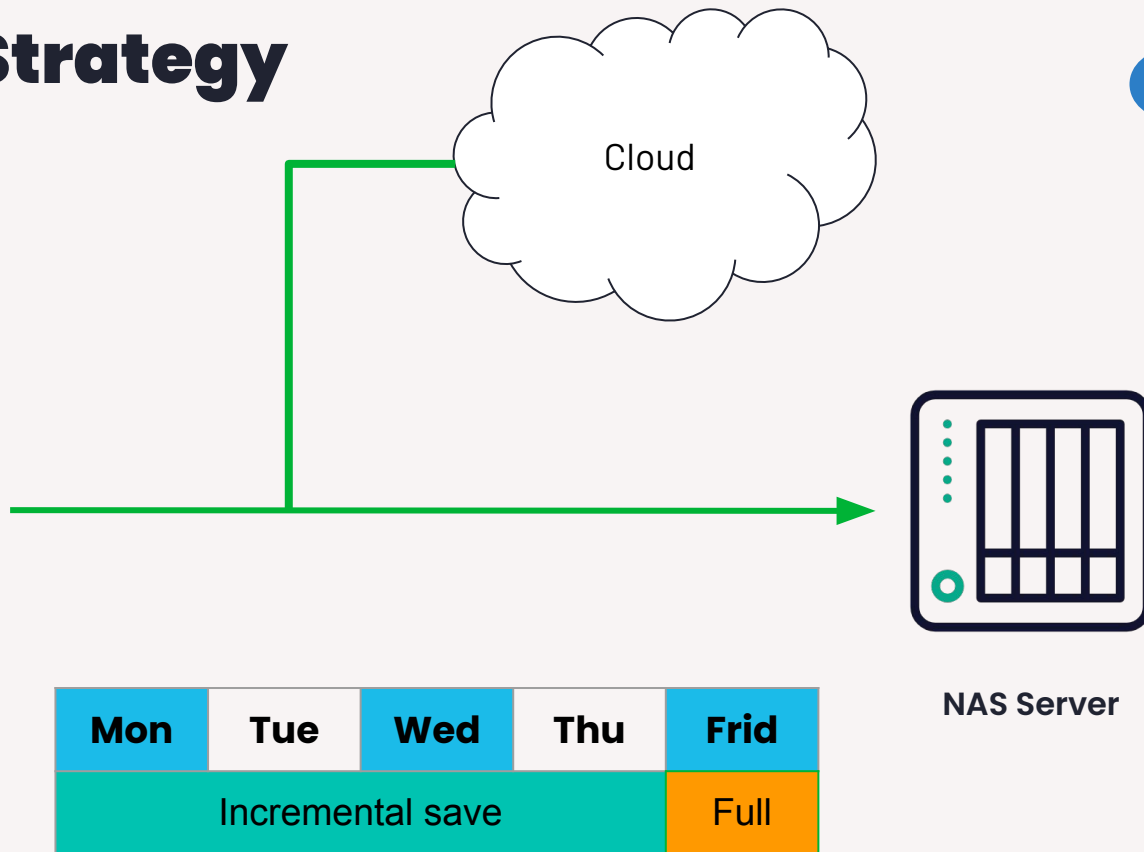
Veeam is a software and a company that specialise in backup

- + **Easy to use**
 - + **Provides flexible and fast recovery**
 - + **Enable backups and recovery capabilities**
- 

06. Saving Strategy



veeam



THANKS!

For listening

David Goulette

[Site web](#)

CREDITS: This presentation template was created by [Slidesgo](#), and includes icons by [Flaticon](#), and infographics & images by [Freepik](#)