



SSO
PRESENTATION

ZIKOR - ANDINOXIS



SSO

POURQUOI ?



SSO POURQUOI ?

adh6.minet.net/en/portail

mi.net Language

adh6

About this web site

Vous êtes sur ADH6, la toute nouvelle plateforme de gestion de MiNET. Cette application est en version **beta** et il est donc possible que vous rencontriez des dysfonctionnements. Si vous rencontrez le moindre problème lié à cette nouvelle interface, ou si vous avez des remarques à faire concernant la lisibilité, l'accessibilité ou autre chose, n'hésitez pas à nous le signaler !

Gérer mon compte MiNET

Pour voir l'état de votre cotisation et ajouter ou supprimer des appareils, connectez-vous à votre compte MiNET.

Login

Créer mon compte MiNET

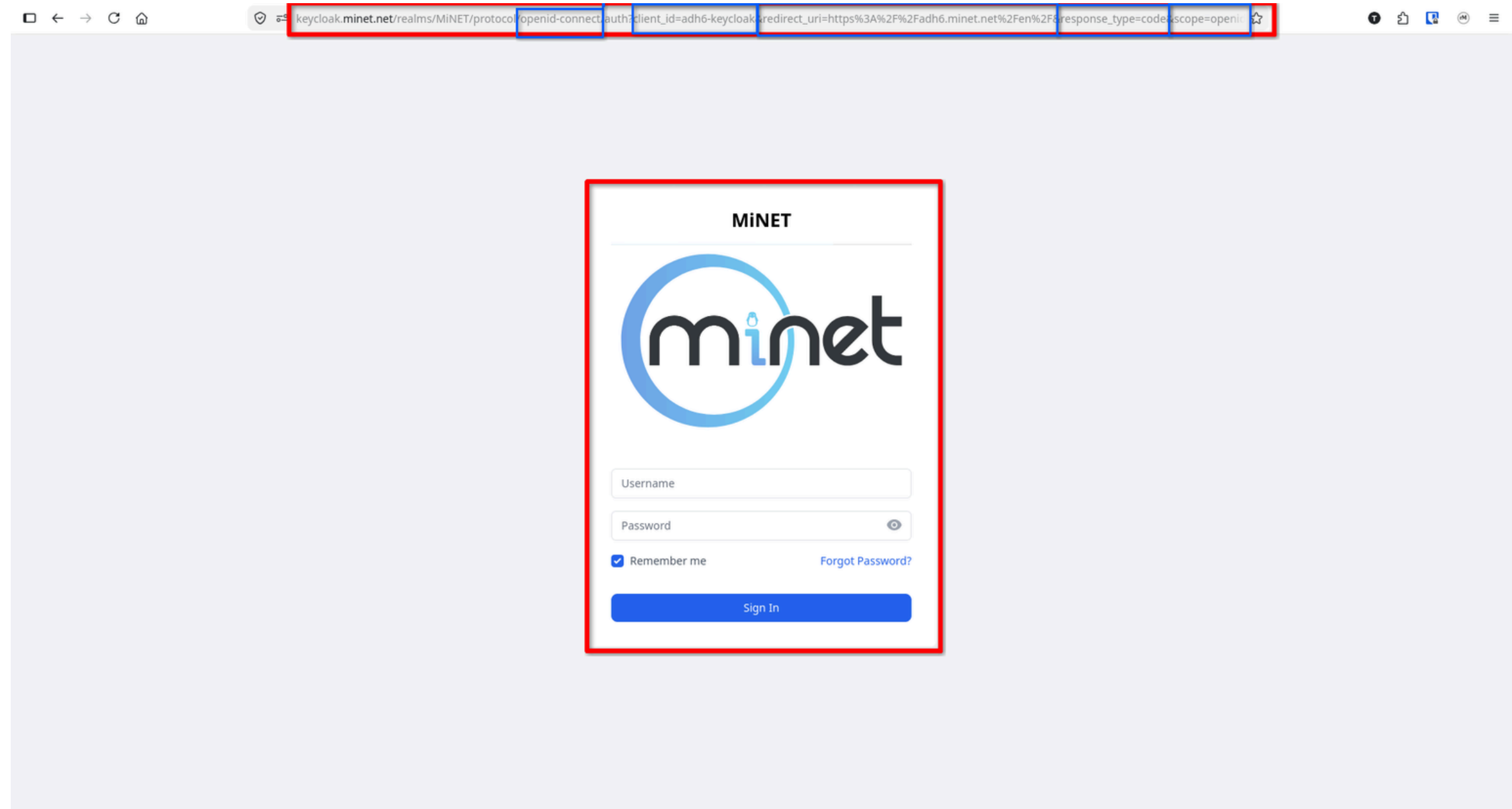
Afin de naviguer sur Internet, vous devez préalablement vous inscrire à MiNET, l'association étudiante qui gère le réseau interne des 800 chambres et studios du campus.

To create your account you can:

- Use [the online platform](#)
- Come straight to MiNET's "office" in the Foyer associatif on campus

SSO

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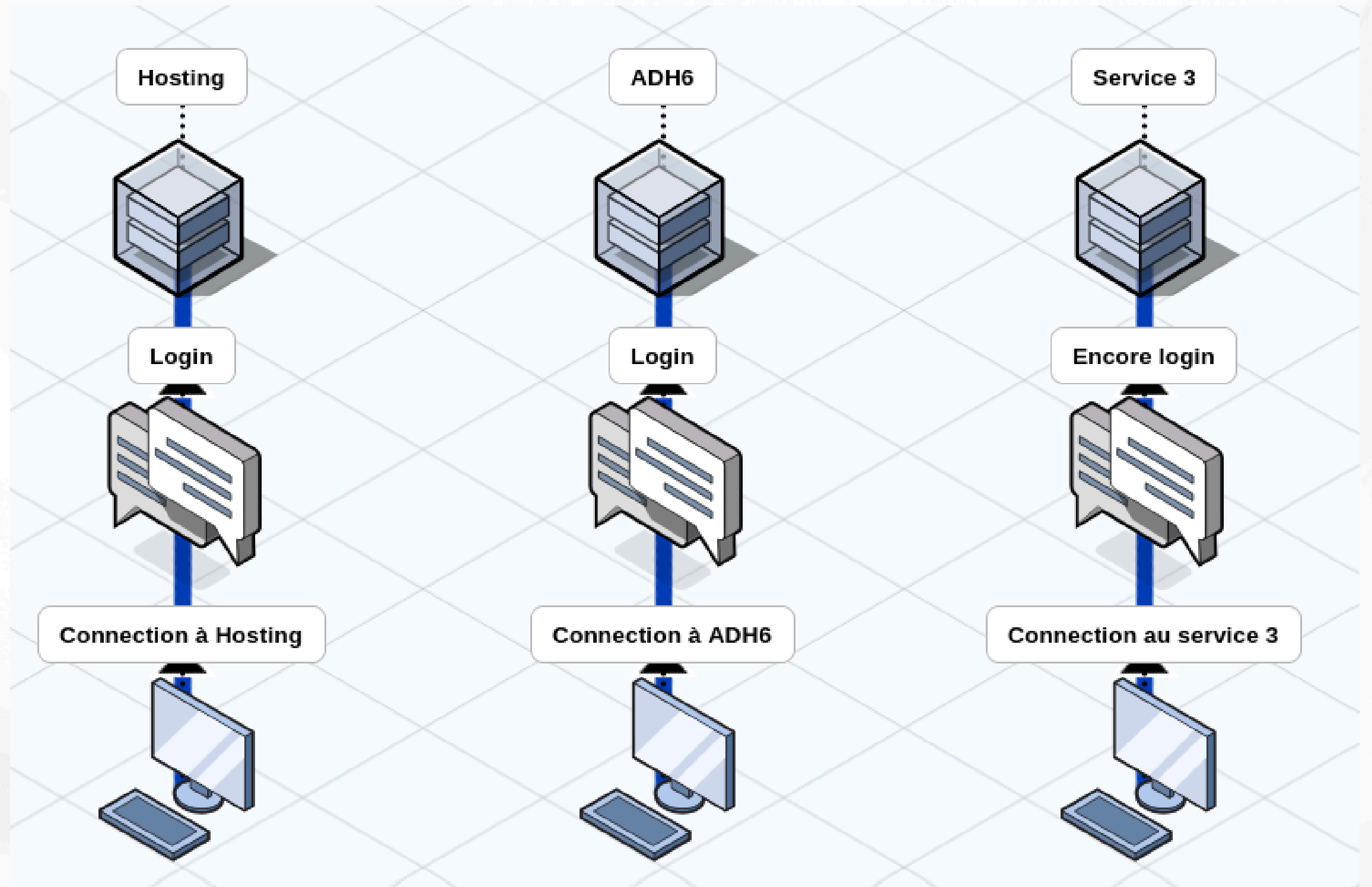
The screenshot shows a web browser window with the URL `adh6.minet.net/en/member/search`. The page features a dark header with the 'minet' logo, a 'Language' dropdown, and a 'Logout' button. A left sidebar contains navigation menus: 'GÉNÉRAL' (Mon Compte), 'ADMINISTRATION' (Gestion Adhérents, Gestion réseau), and 'Gestion Adhérents' (Adhérents, Appareils, Chambres). The main content area has a search bar labeled 'Recherche' with a 'Rechercher...' input field. To the right is an 'Inscription' section with a dropdown menu set to '-- Toutes inscriptions --' and a 'Nouvelle inscription' button. Below the search bar, a table header shows columns for 'Nom', 'Login', and 'Chambre'. A large yellow banner with the text 'Personal Data Protection' is displayed, stating: 'To comply with GDPR, names and room numbers are only visible when the search is refined to less than one full page of results. 4754 results found - Please refine your search.' At the bottom, there are 'Previous' and 'Next page' buttons, and a pagination control showing '1', '2', '3', '...', and '476'.

SSO

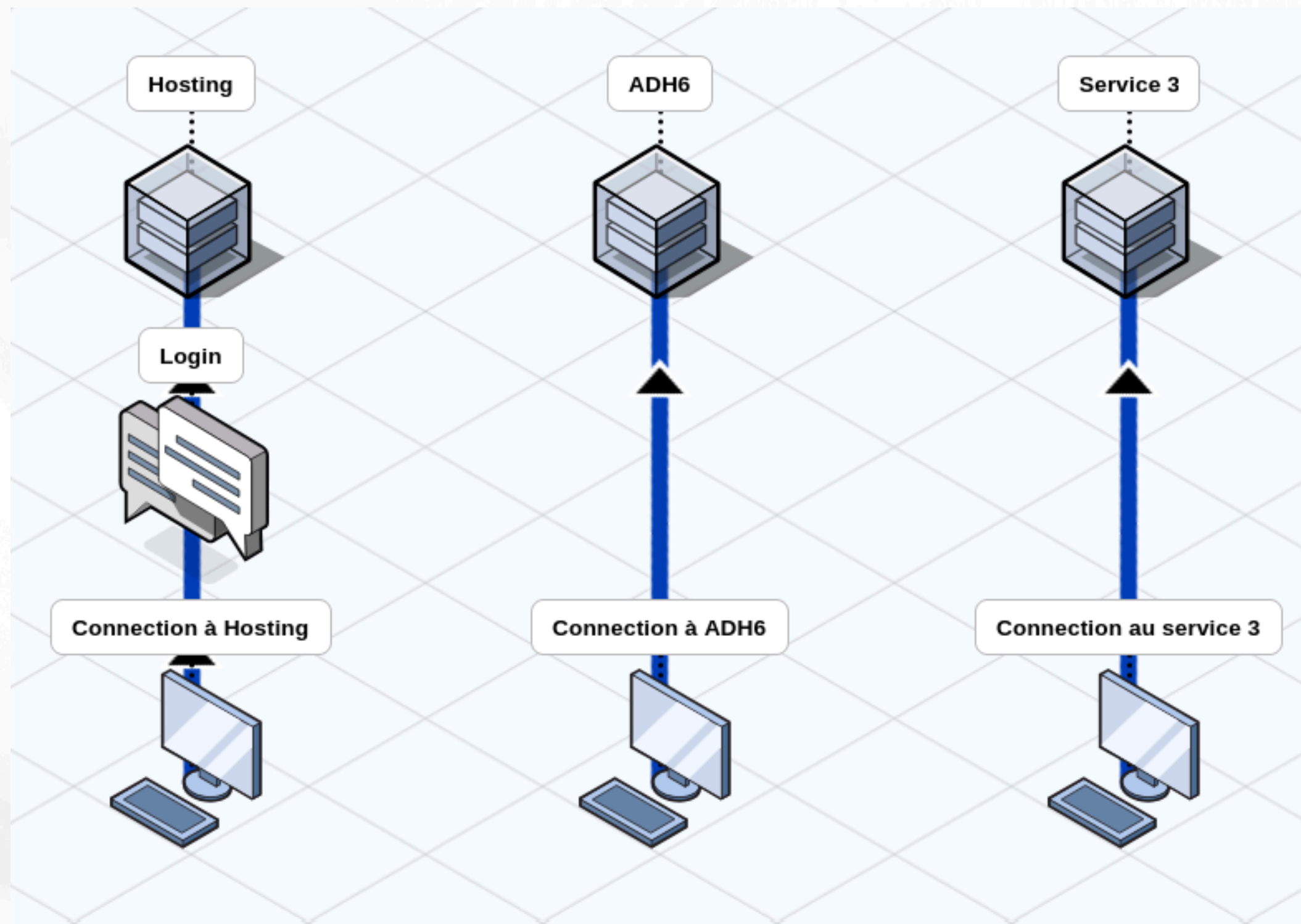
POURQUOI ?

The screenshot shows the hosting.minet.net dashboard. At the top, there's a navigation bar with the 'hosting' logo and version 'v3.0'. Below this, a welcome message reads: 'Hello Timothé, welcome to Hosting! #61609'. A note states: 'This service is free if you already have a MINET account with an active subscription. It allows you to create virtual machines and experiment with them. You have a maximum of 6 cores, 9 GB of RAM and 30 GB of disk to distribute across your machines. Your subscription expires in 2 months.' A prominent blue button labeled 'Create a VM' is present, with the subtext 'Create and configure your machine'. To the right, a section titled 'YOUR ALLOCATED RESOURCE USAGE' features three circular progress indicators: 'RAM (9 / 9 GB)' at 100%, 'Disk (30 / 30 GB)' at 100%, and 'CPU (6 / 6 cores)' at 100%. Below these, a table shows a single entry for 'main-vm' with a status of 'running' and a legend for 'CPU' and 'RAM'.

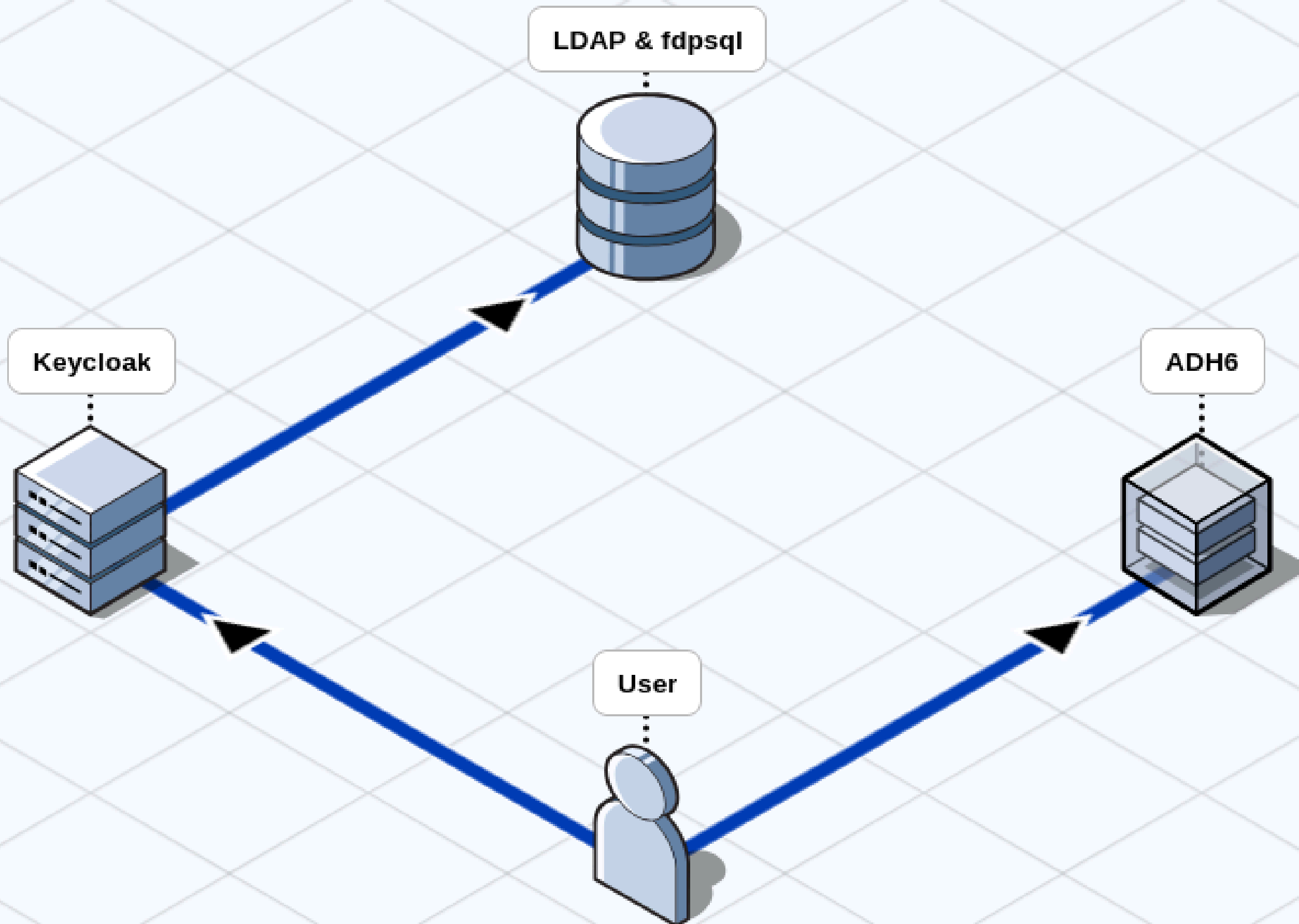
SANS SSO

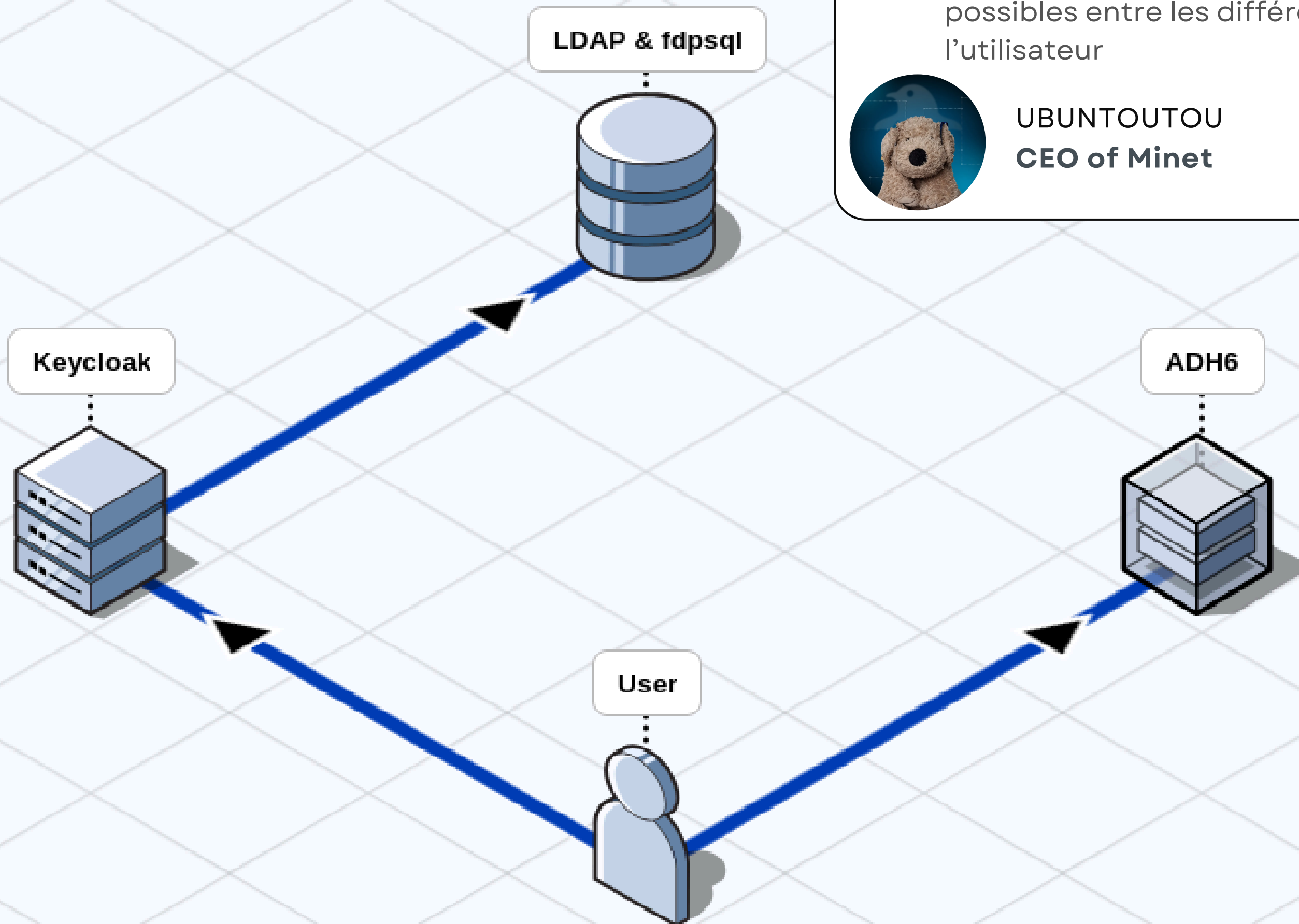


AVEC SSO



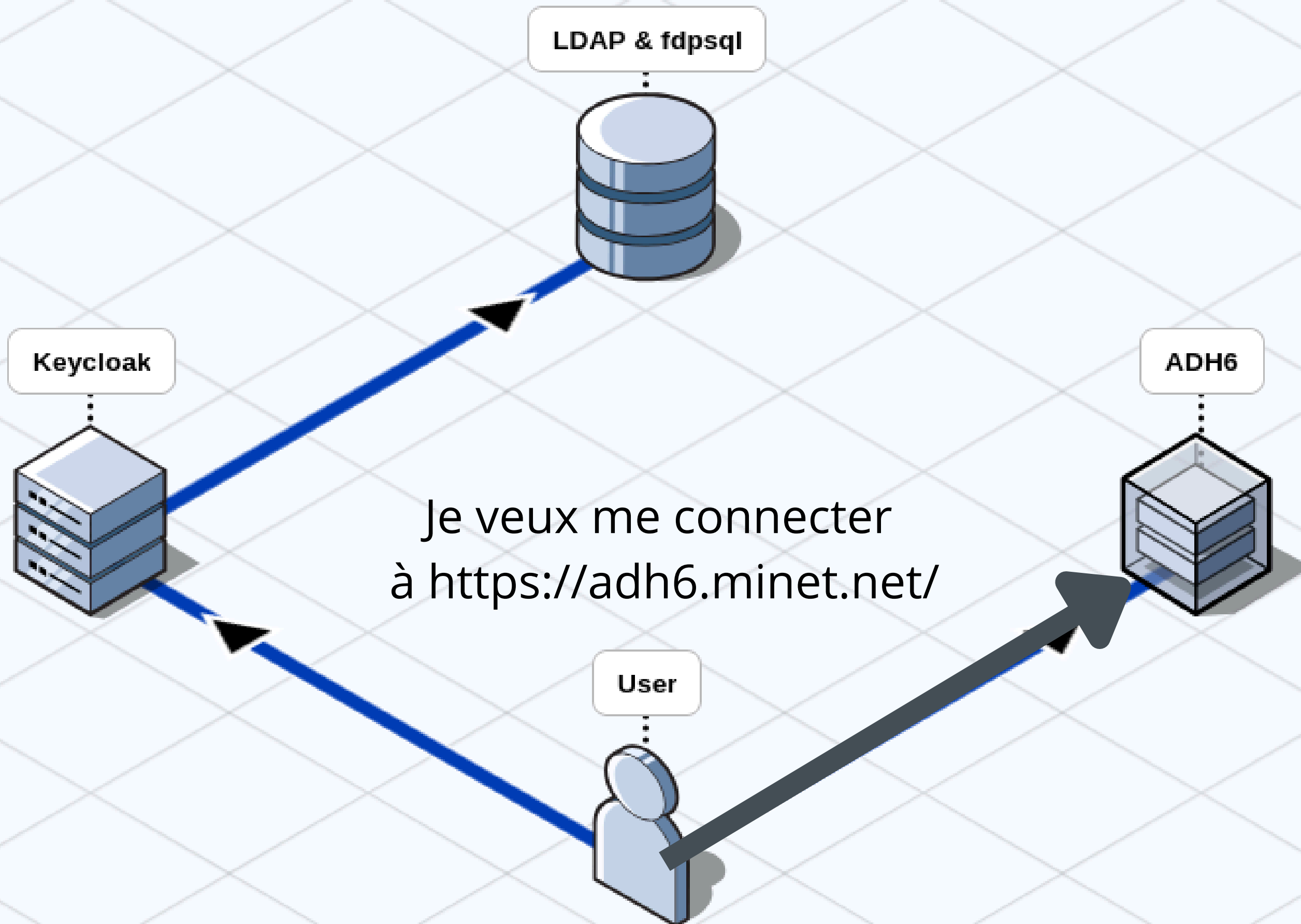
FONCTIONNEMENT

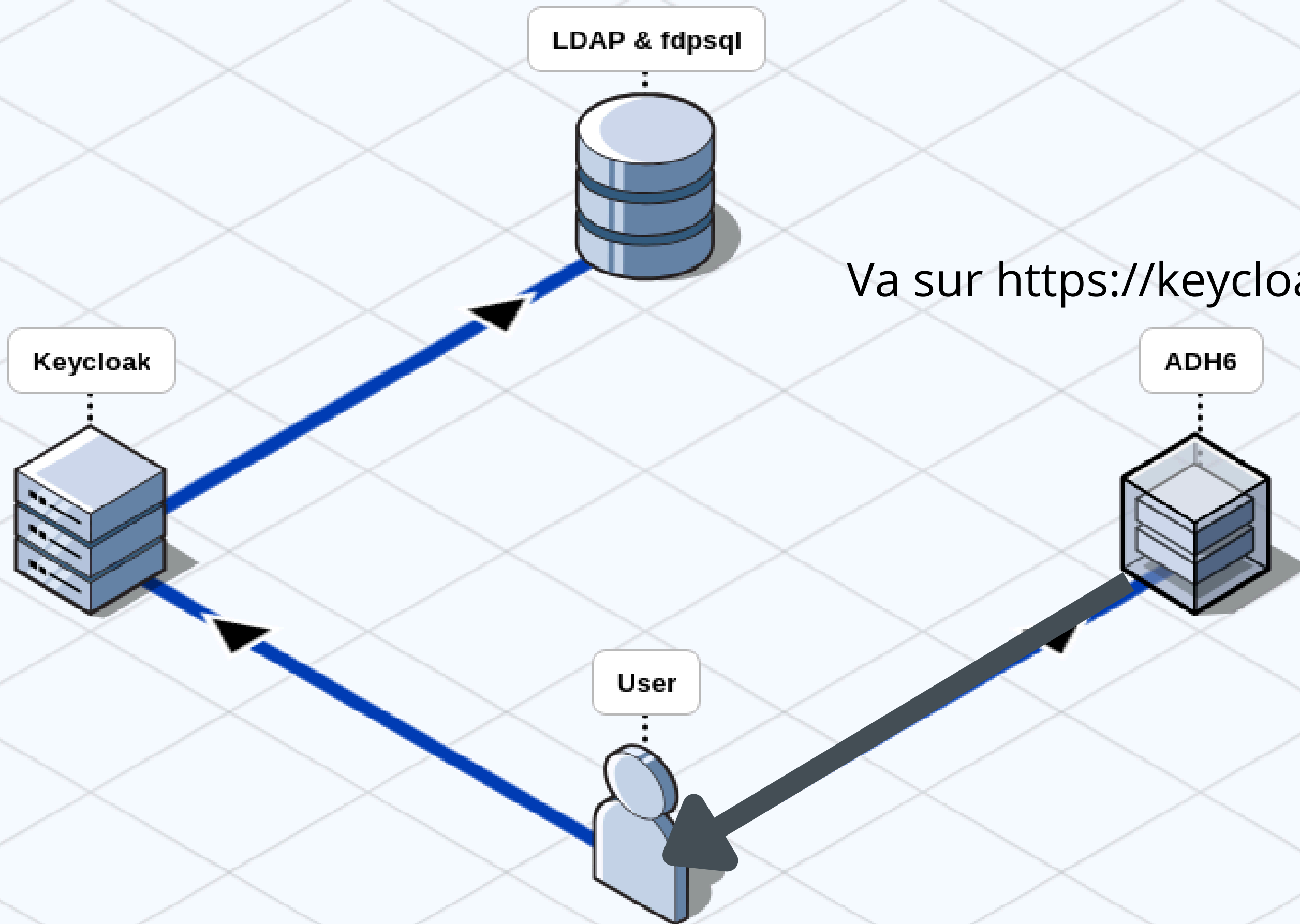




“ Les lignes bleues sont les chemins possibles entre les différents services et l'utilisateur ”

 **UBUNTOUTOU**
CEO of Minet





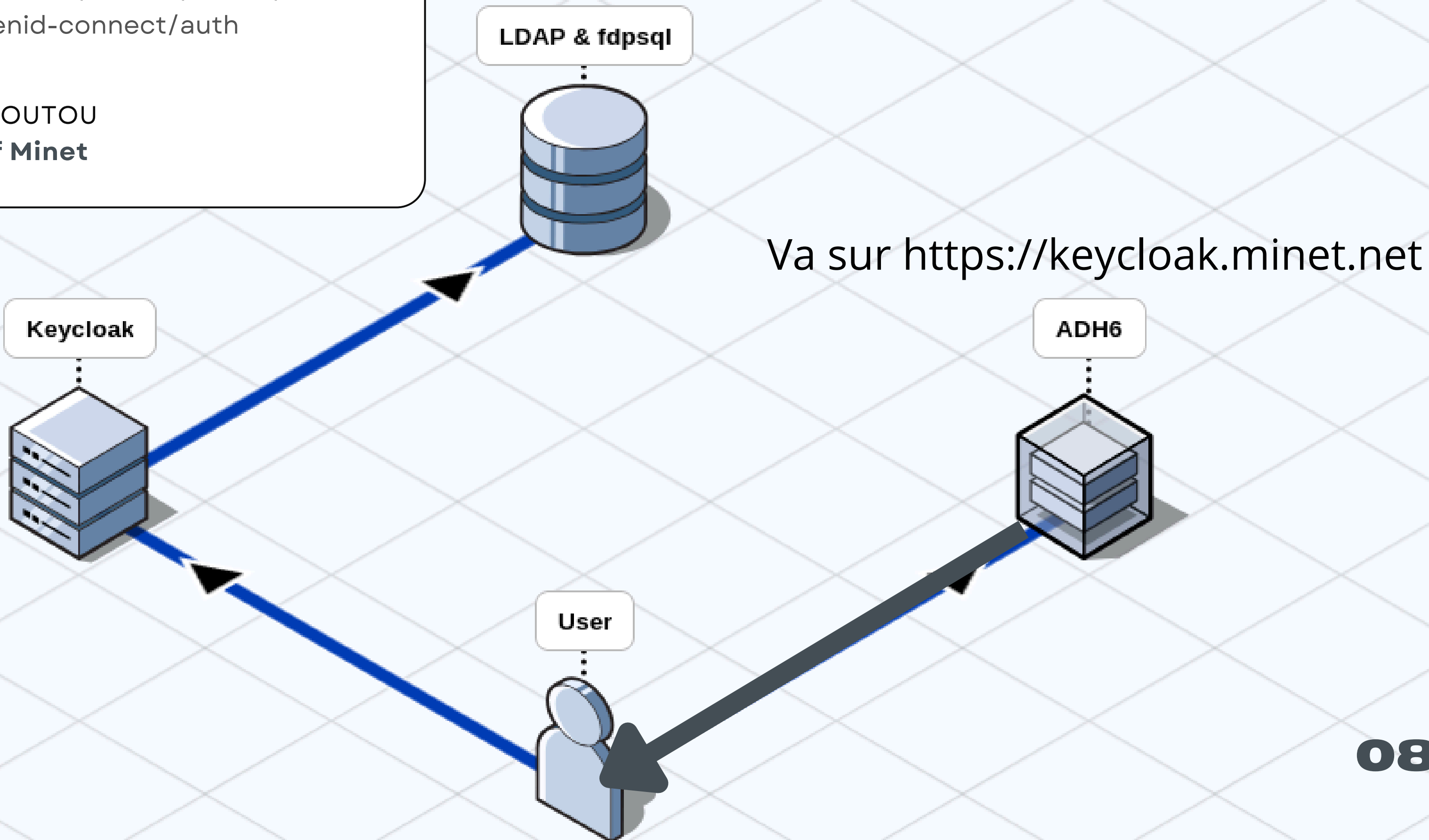
Va sur <https://keycloak.minet.net>

“

L'url de keycloak en question est:
keycloak.minet.net/realms/MiNET/
protocol/openid-connect/auth



UBUNTOUTOU
CEO of Minet



“

L'url de keycloak en question est:
keycloak.minet.net/realms/MiNET/
protocol/openid-connect/auth



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CEO of Minet

“

Les “query” de l'url sont:
client_id=adh6-keycloak
redirect_uri=https://minet.net



NICOLAS
Goat of Minet

LDAP & fdpsql

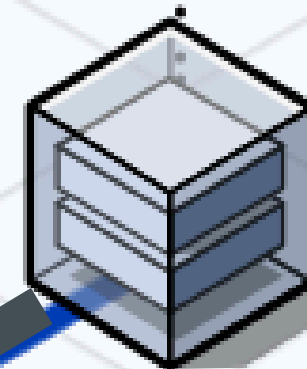


Va sur <https://keycloak.minet.net>

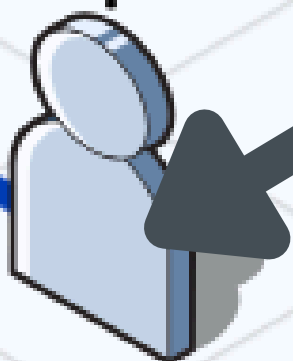
Keycloak

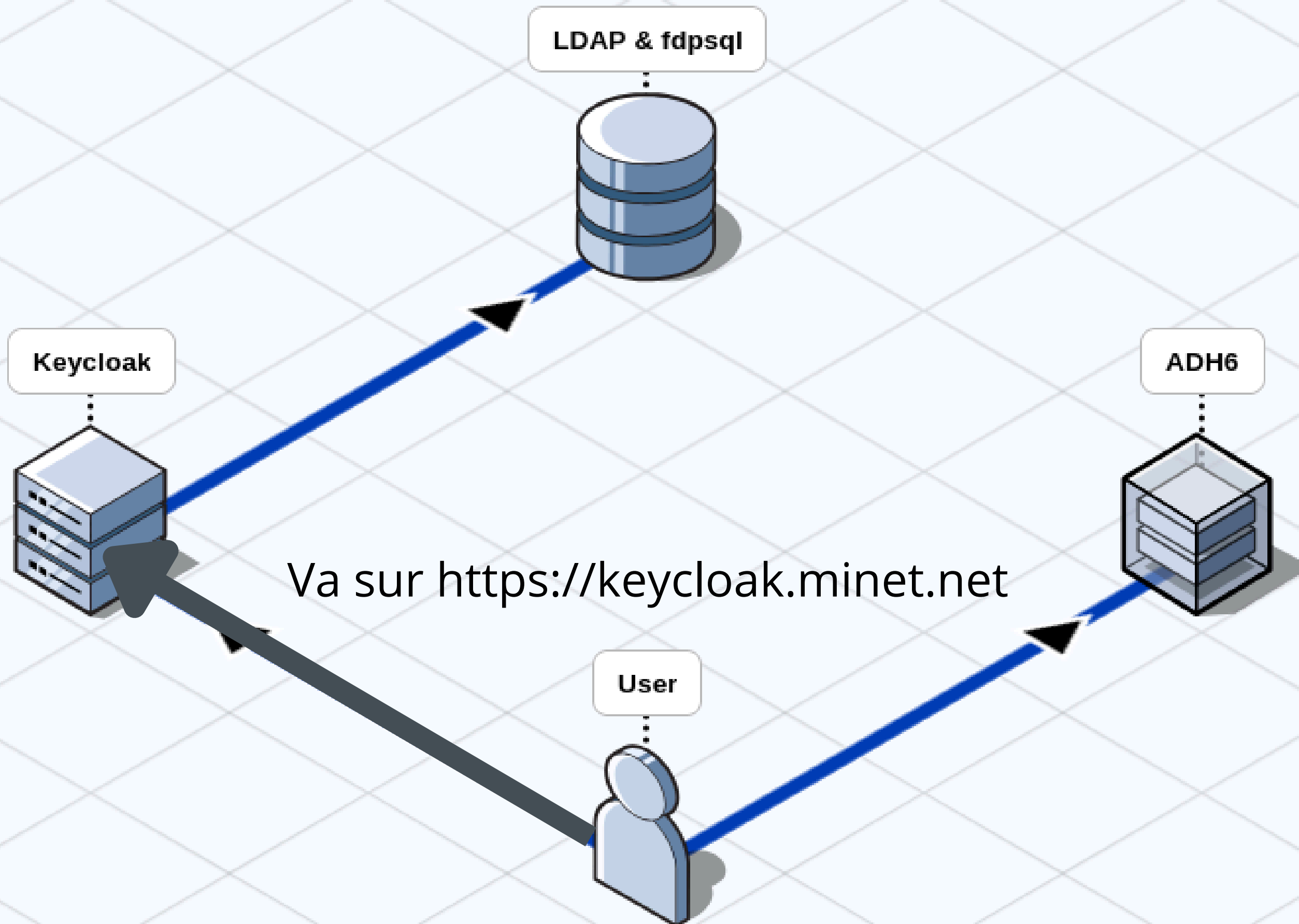


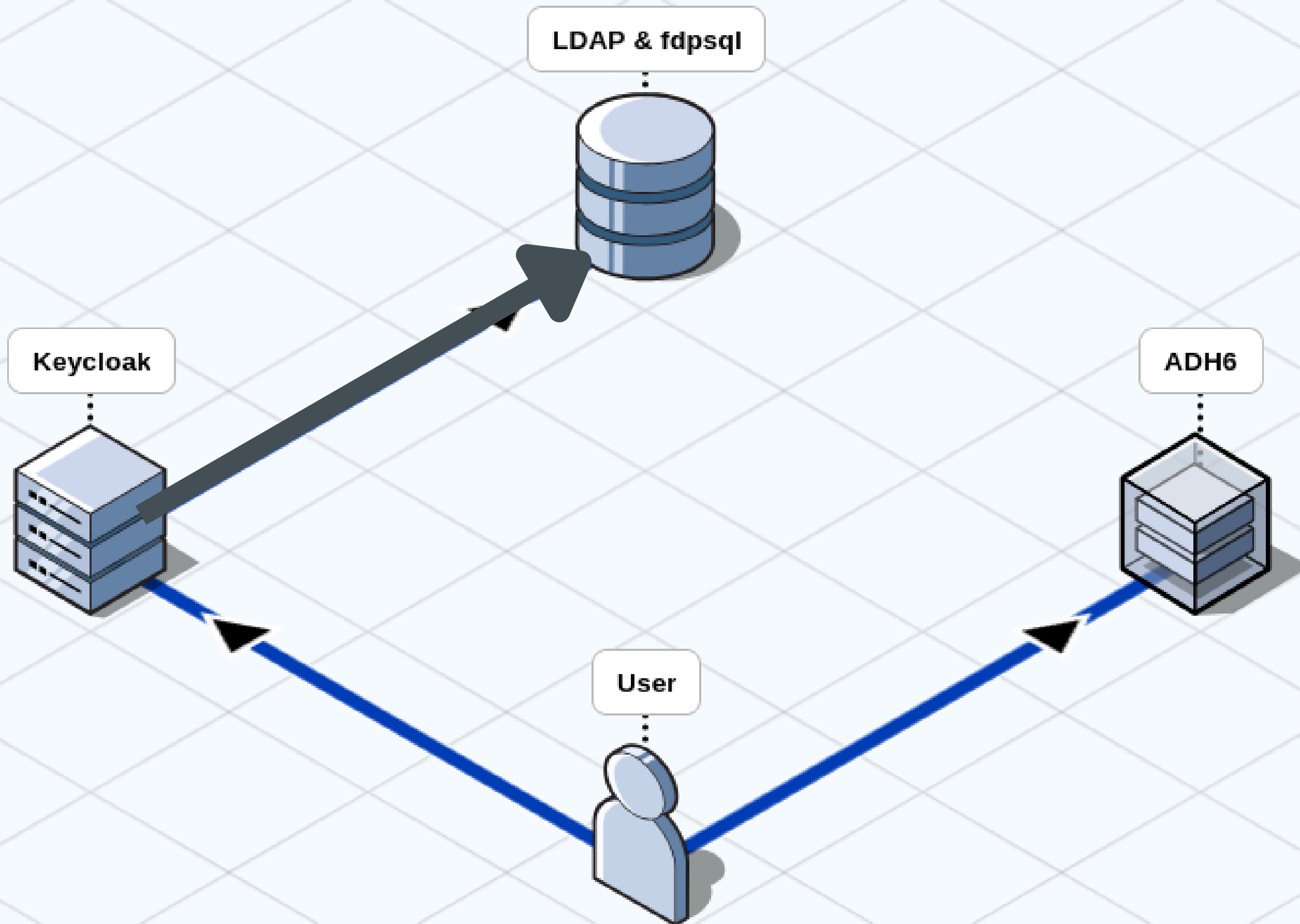
ADH6

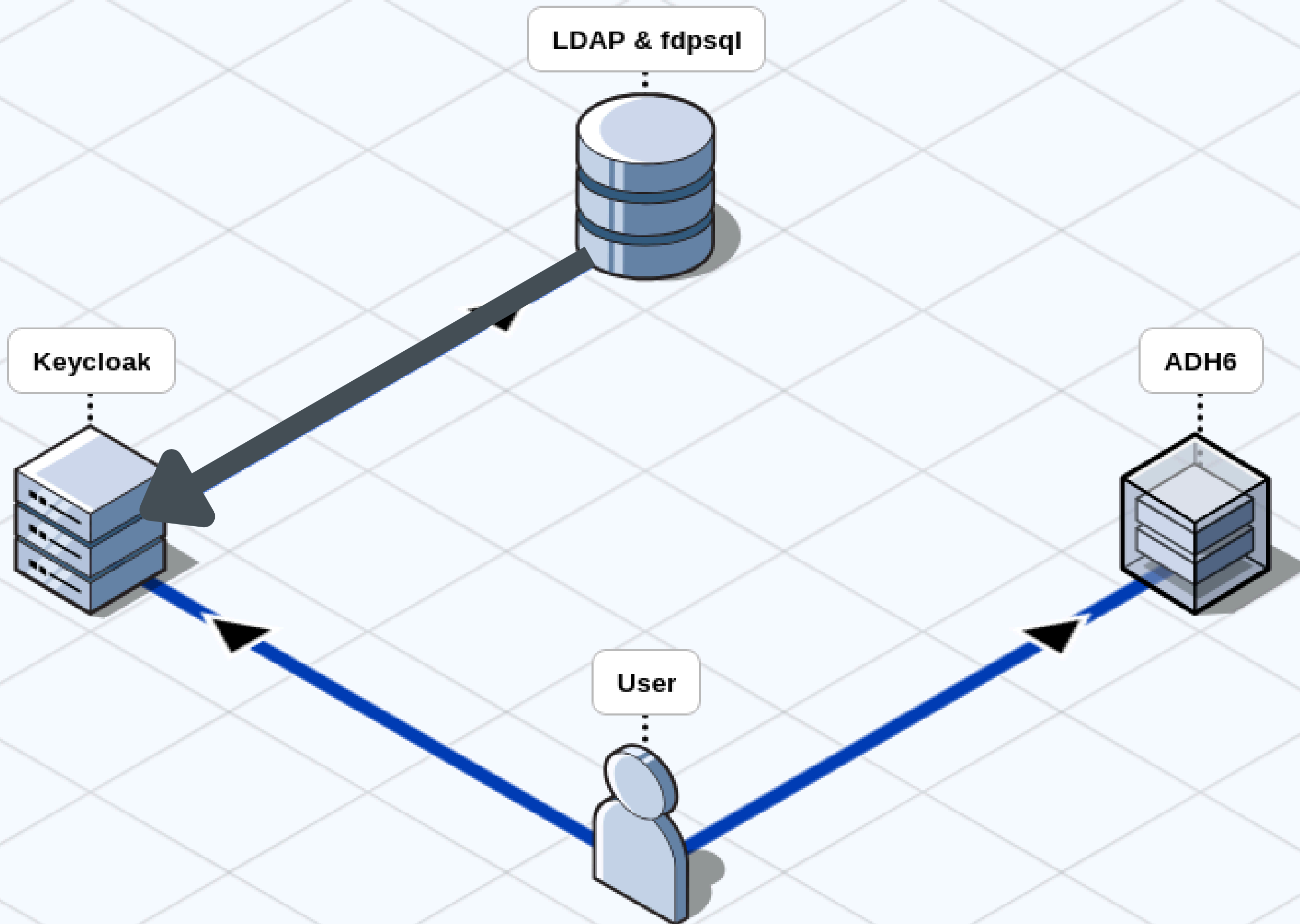


User

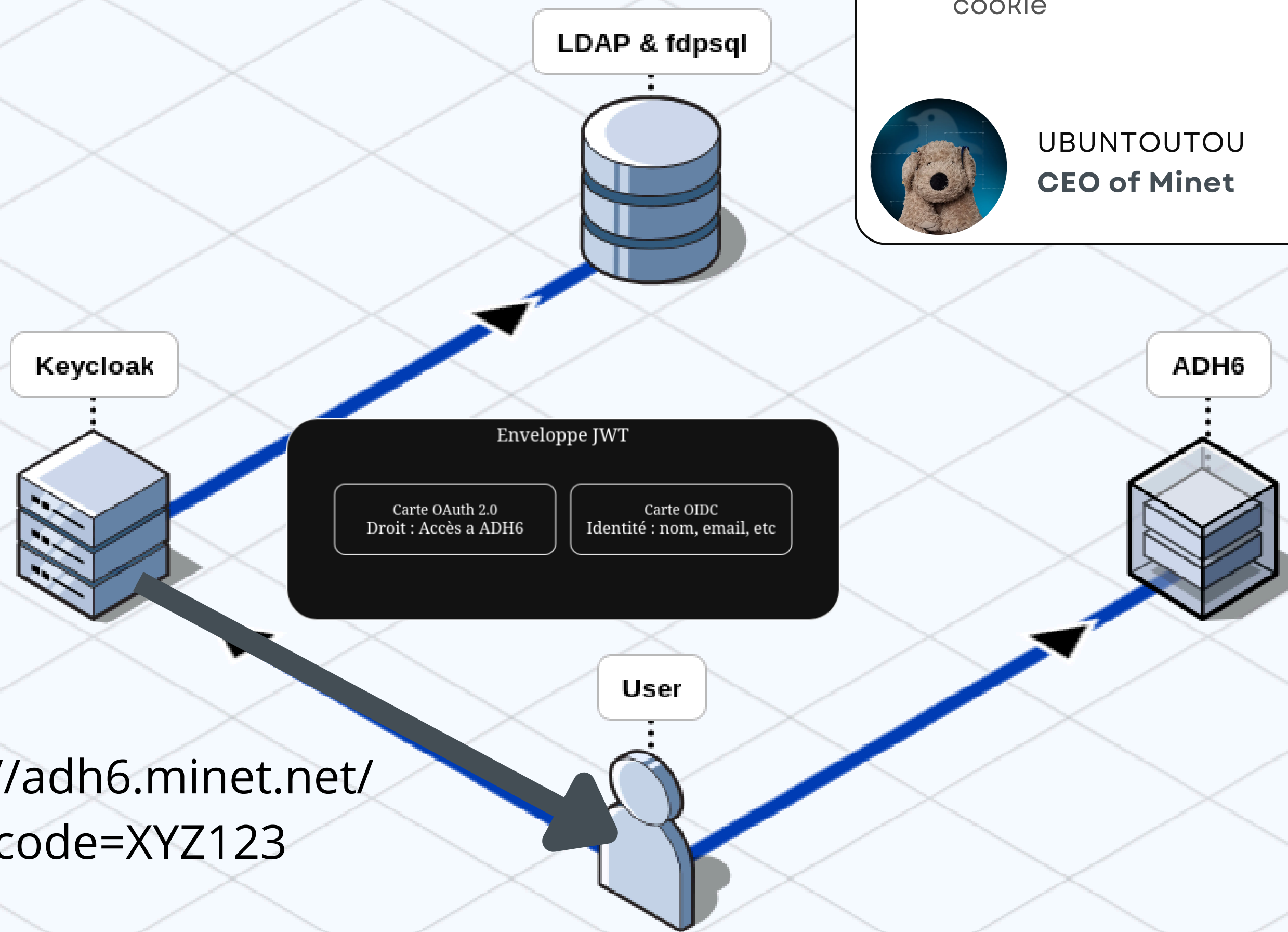






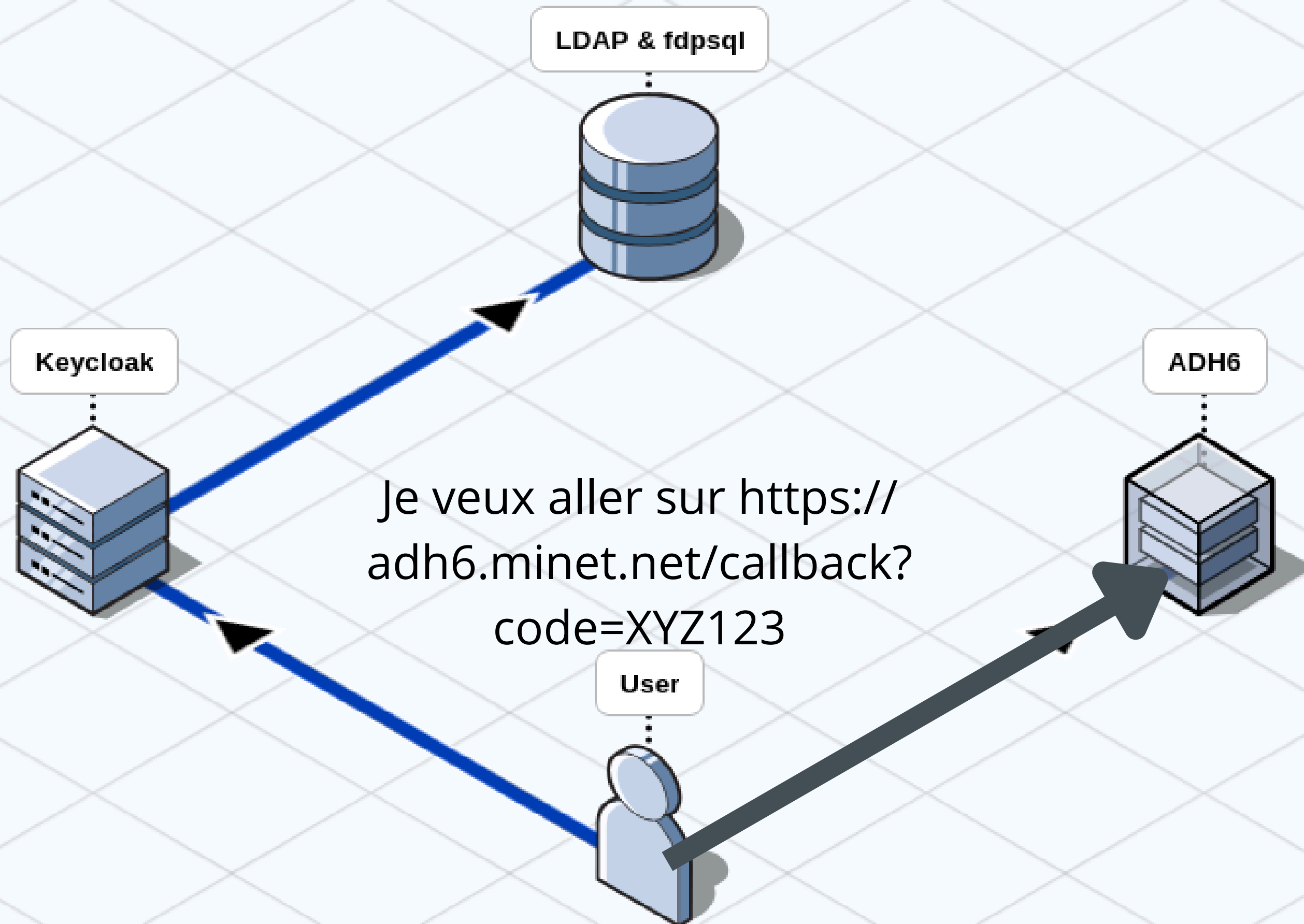


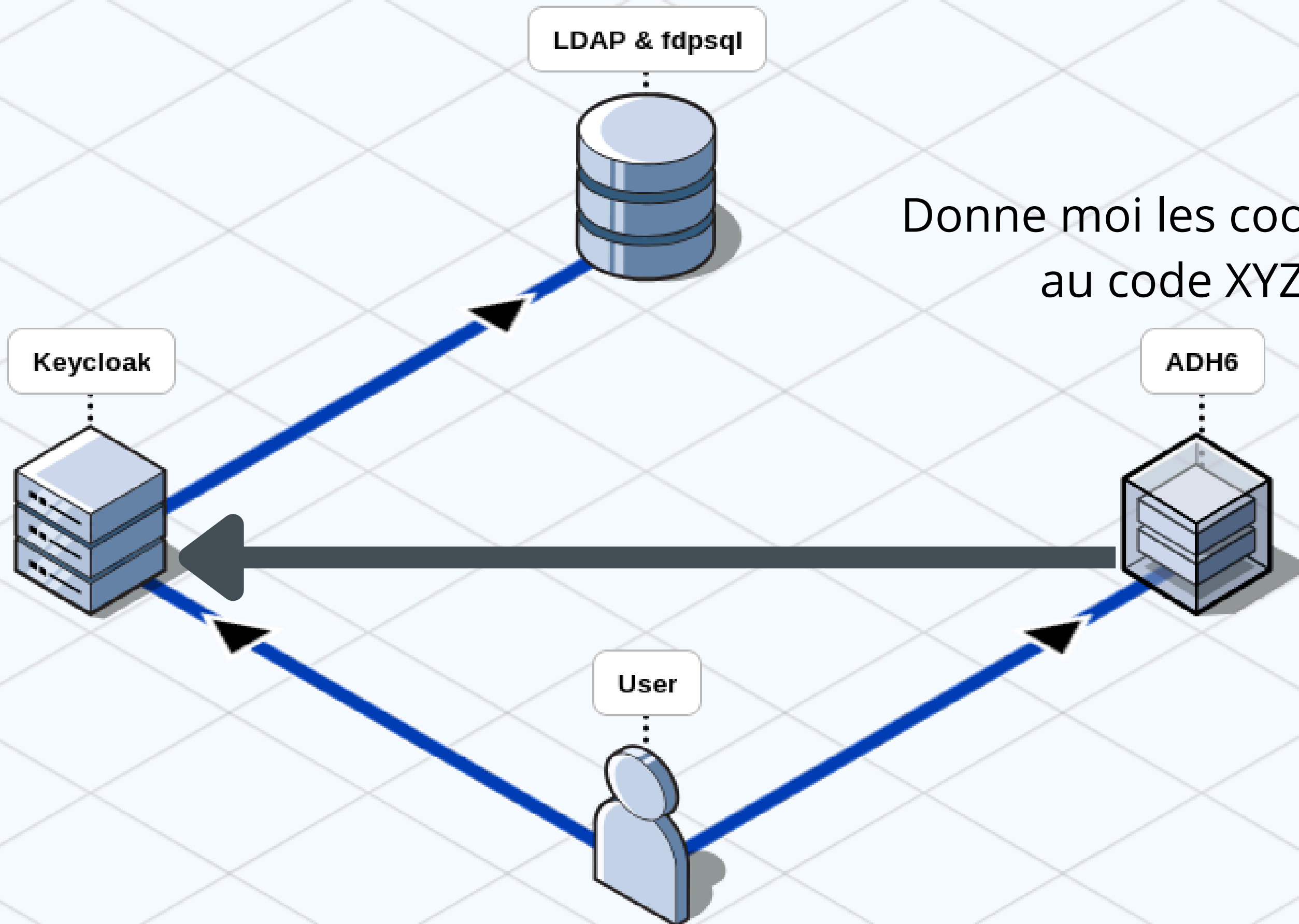
Va sur <https://adh6.minet.net/callback?code=XYZ123>



“ Keycloak stocke ce JWT dans son propre cookie

 **UBUNTOUTOU**
CEO of Minet





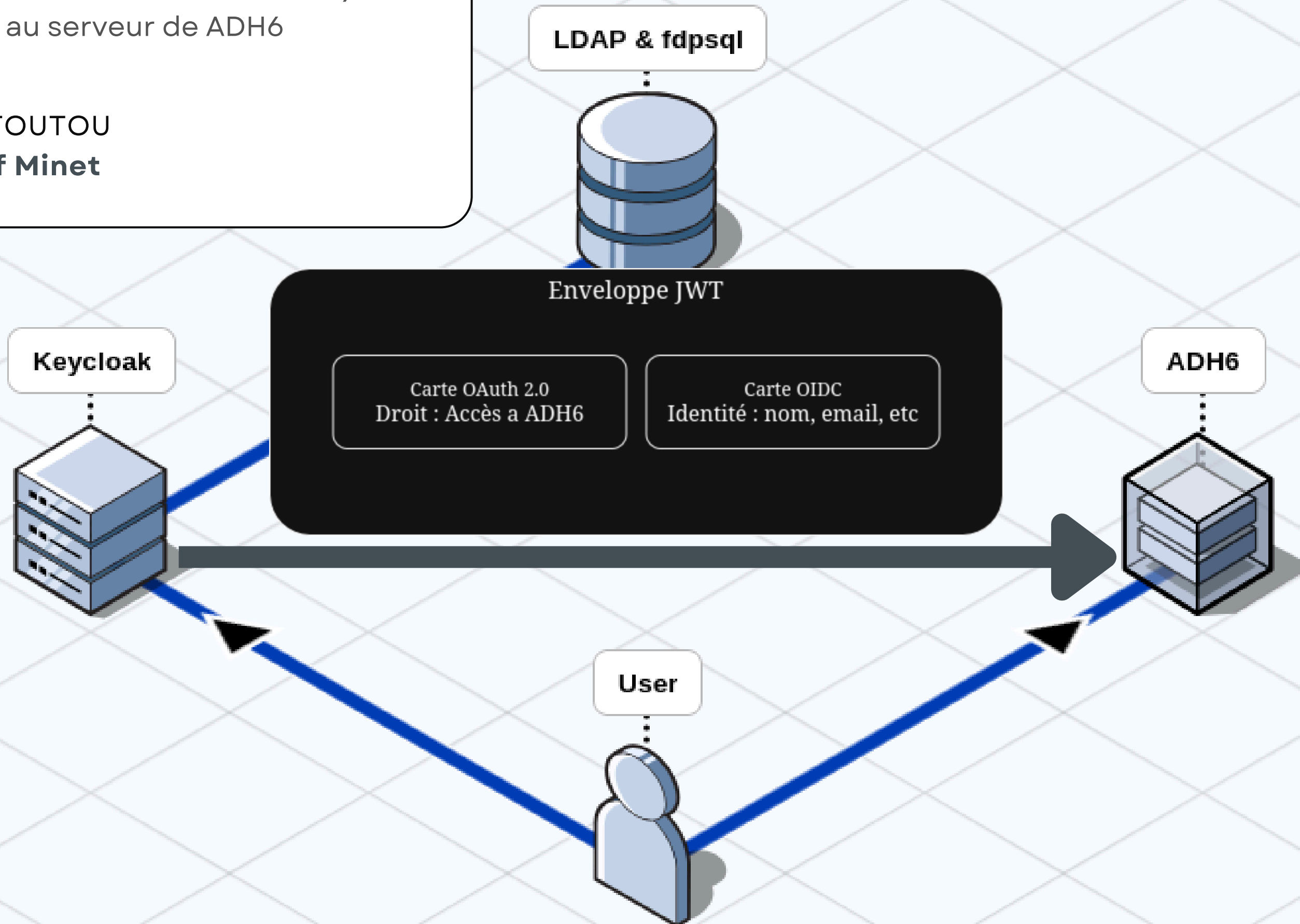
Donne moi les cookies grâce
au code XYZ123

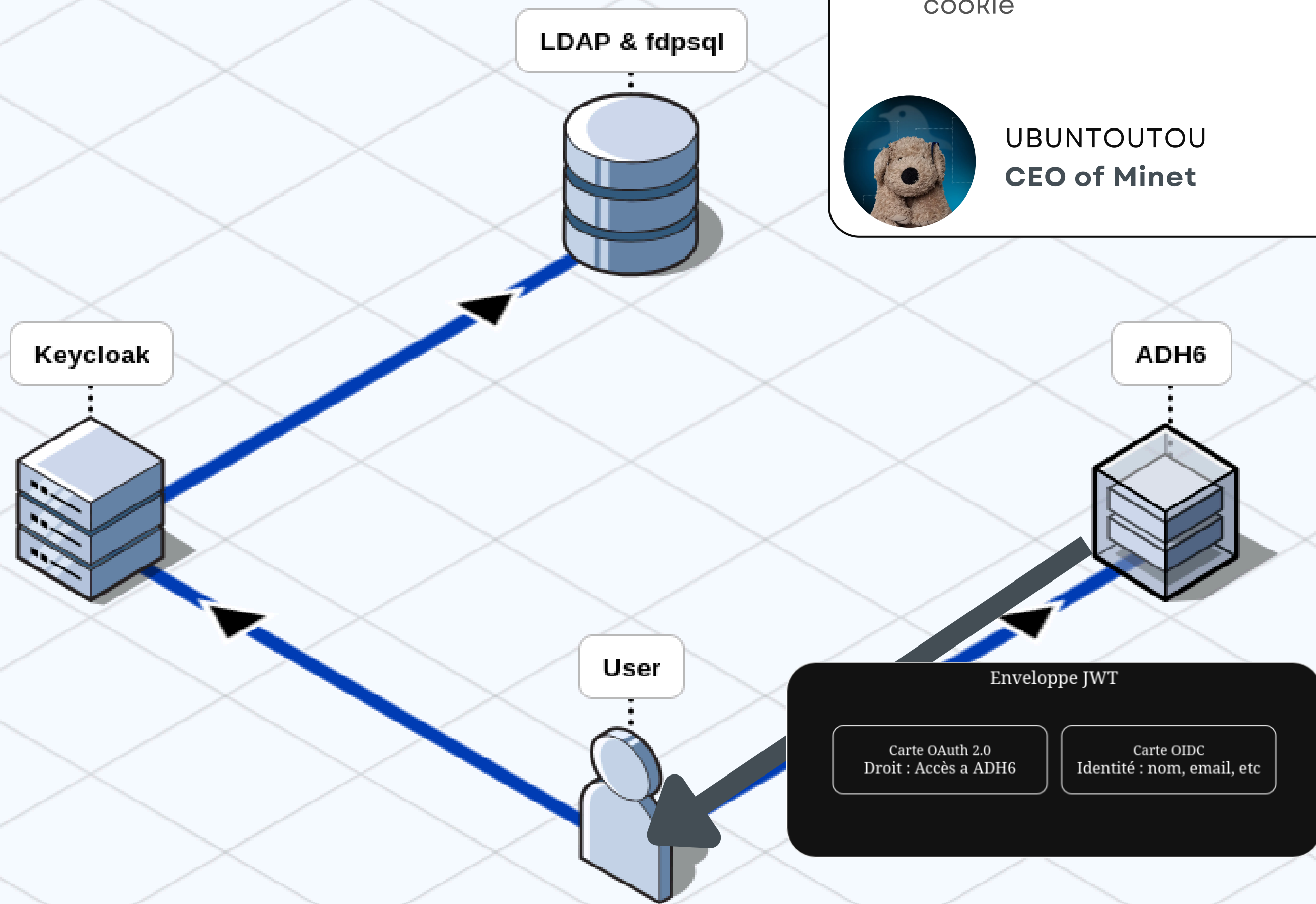
“

Keycloak valide et donne l'enveloppe JWT (contenant les cartes OAuth et OIDC) directement au serveur de ADH6



UBUNTOUTOU
CEO of Minet





“ ADH6 stocke ce JWT dans son propre cookie

 **UBUNTOUTOU**
CEO of Minet

LDAP

Protocole qui permet de stocker les data d'un user pour le retrouver facilement

```
      dc=FR
      |
      dc=EXEMPLE
    /      \
  ou=machines  ou=personnes
    /          \
cn=ordinateur  cn=Jean
```

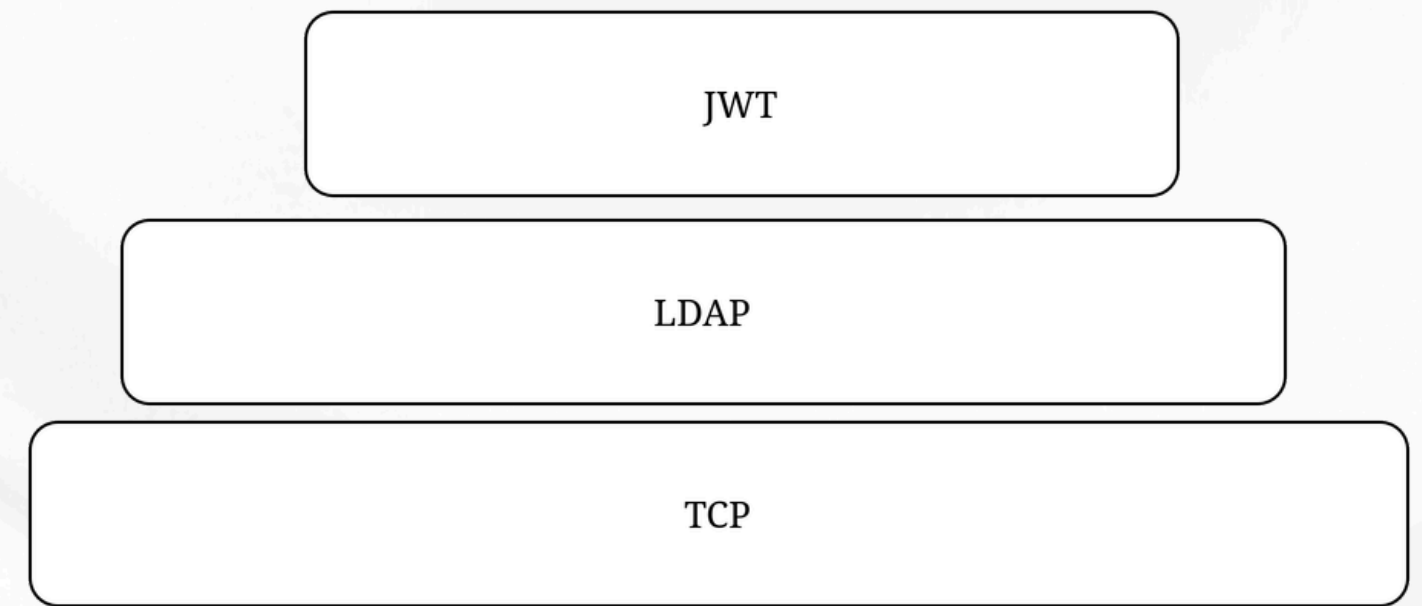
LDAP

TCP

JWT

<https://www.jwt.io/>

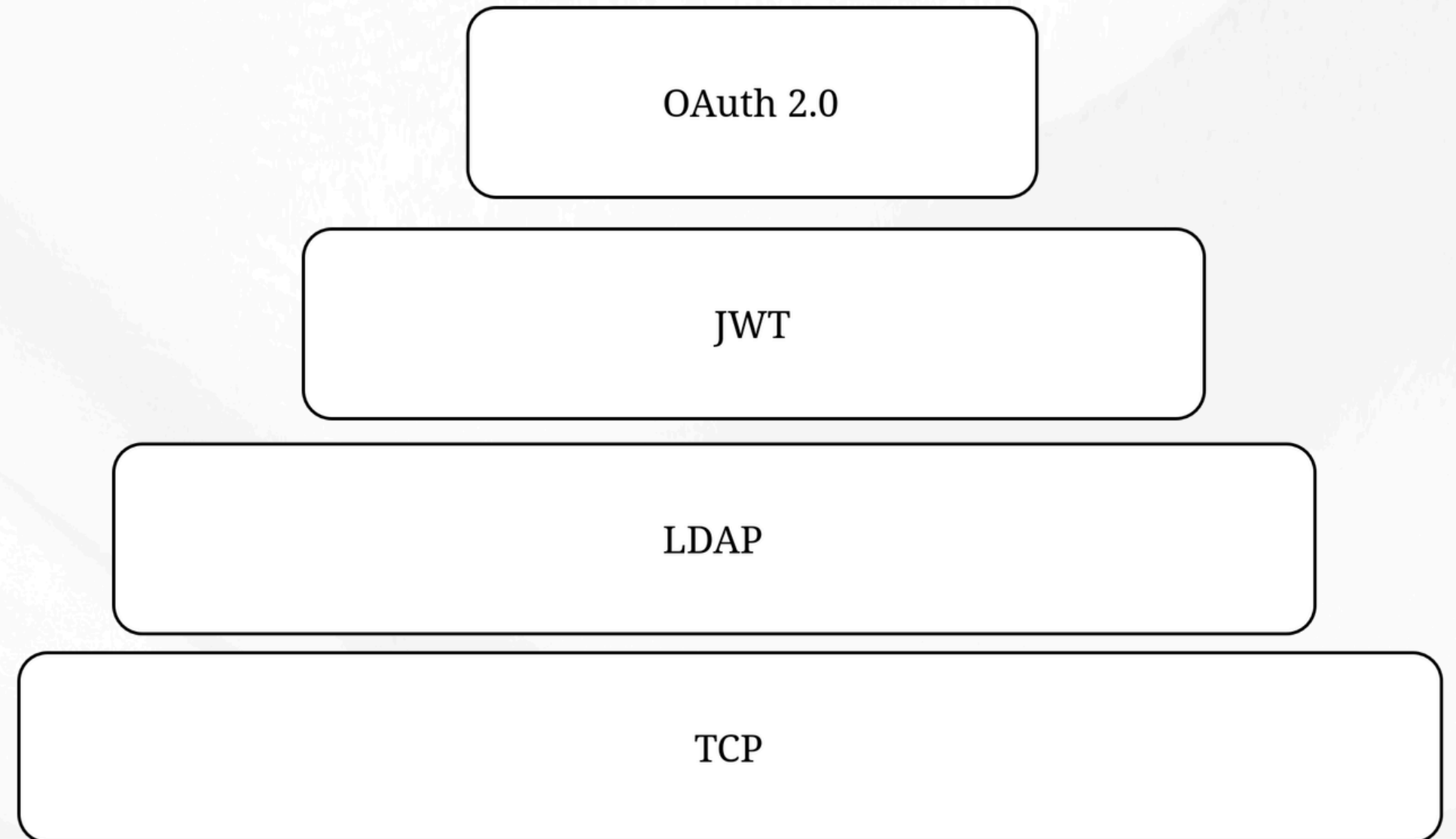
The screenshot displays the JWT.io web application interface. On the left, the 'Encoded Token' section shows a long alphanumeric string: `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG91IiwiaWF0IjoiYWRtaW4iOnRydWUsImh0bCI6MTUxNjIzOTAyMn0.KMUFsIDTnFmyG3nMiGM6H9FNfUROf3wh7SmqJp-QV30`. Below the token, it indicates 'Valid JWT' and 'Signature Verified'. On the right, the 'Decoded Header' section shows the JSON object: `{ "alg": "HS256", "typ": "JWT" }`. The 'Decoded Payload' section shows the JSON object: `{ "sub": "1234567890", "name": "John Doe", "admin": true, "iat": 1516239022 }`. At the bottom, the 'JWT Signature Verification' section is set to 'BASE64URL ENCODED' and shows a 'Valid secret'.



OAuth 2.0

- Open Authorization
- V1 en 2007
- V2 en 2012

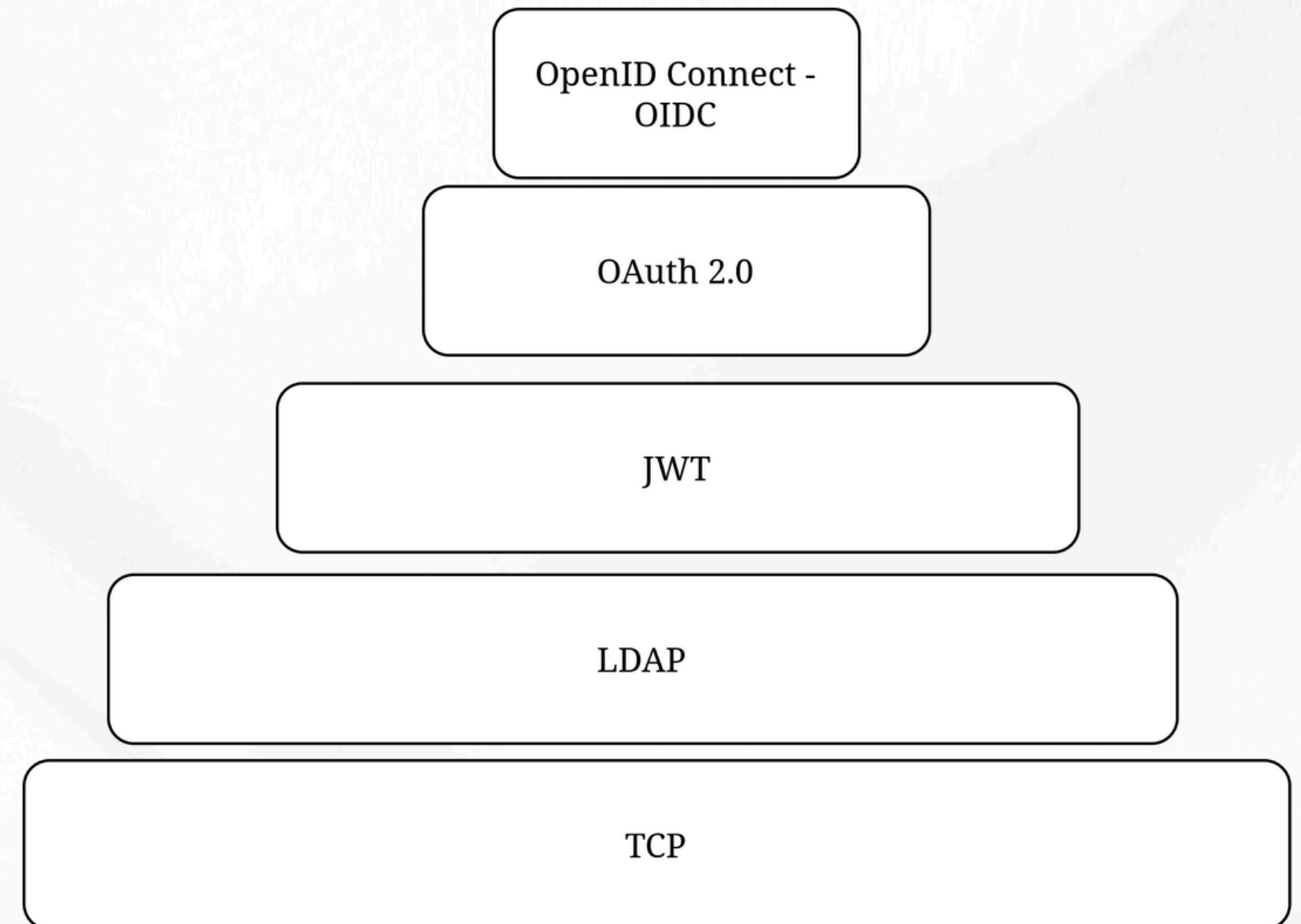
Carte OAuth 2.0
Droit : Accès a ADH6



OPENID CONNECT

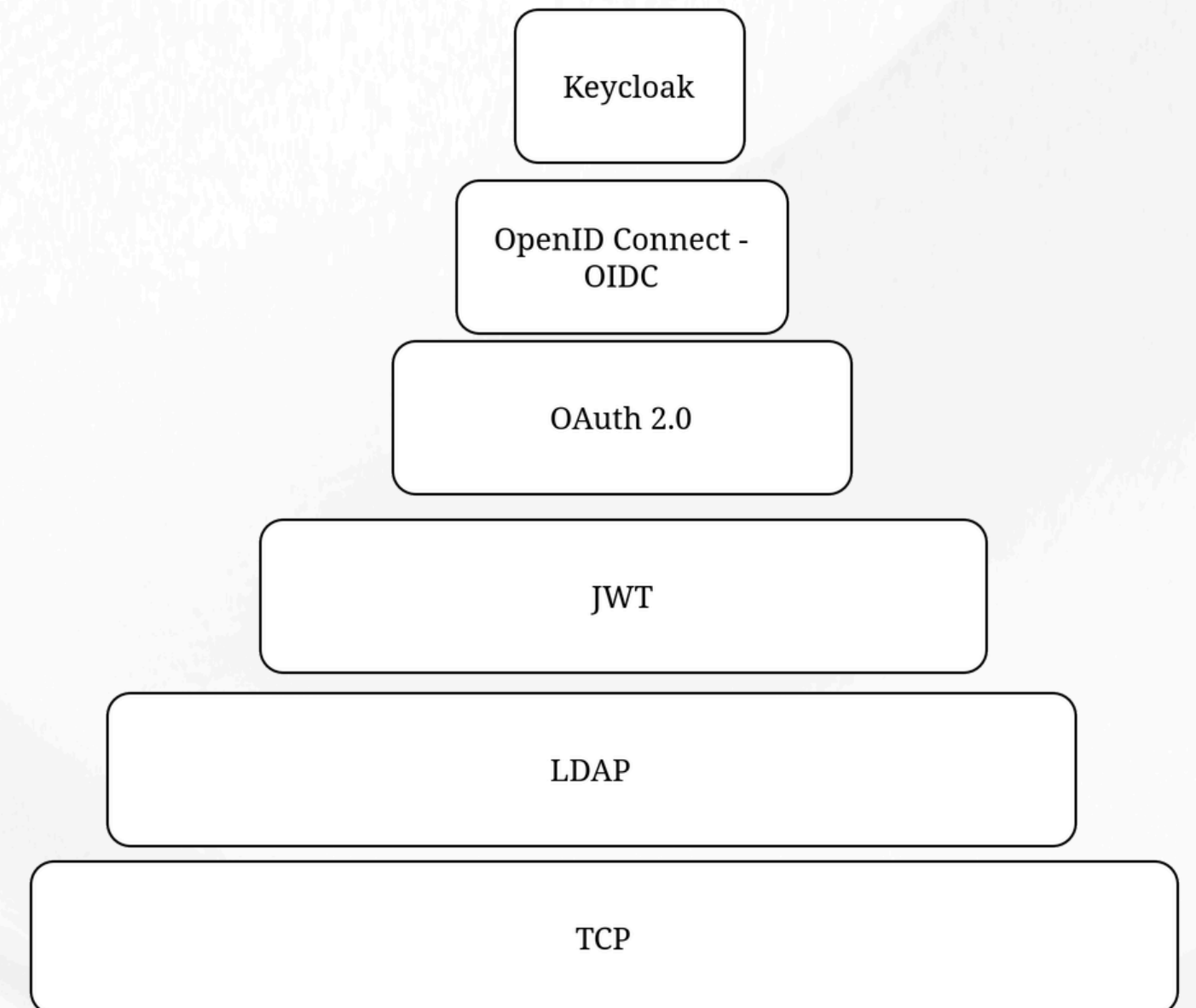
- Créé en 2014

Carte OIDC
Identité : nom, email, etc



KEYCLOAK

- IAM complet avec SSO
- Authentification + Gestion des utilisateurs et des rôles
-



TP!