

# abcdesktop.io



Kubernetes VDI solution  
<https://www.abcdesktop.io>

# What is abcdesktop.io ?

Desktop service for Kubernetes

- VDI Service
- Cloud native desktop service for Kubernetes
- Licence GNU GPLv2 <https://github.com/abcdesktopio/>
- Each graphical application runs inside a container
- To use it, just need web browser client HTML 5
- Brings with it its defence in depth, protocol conversion mechanisms



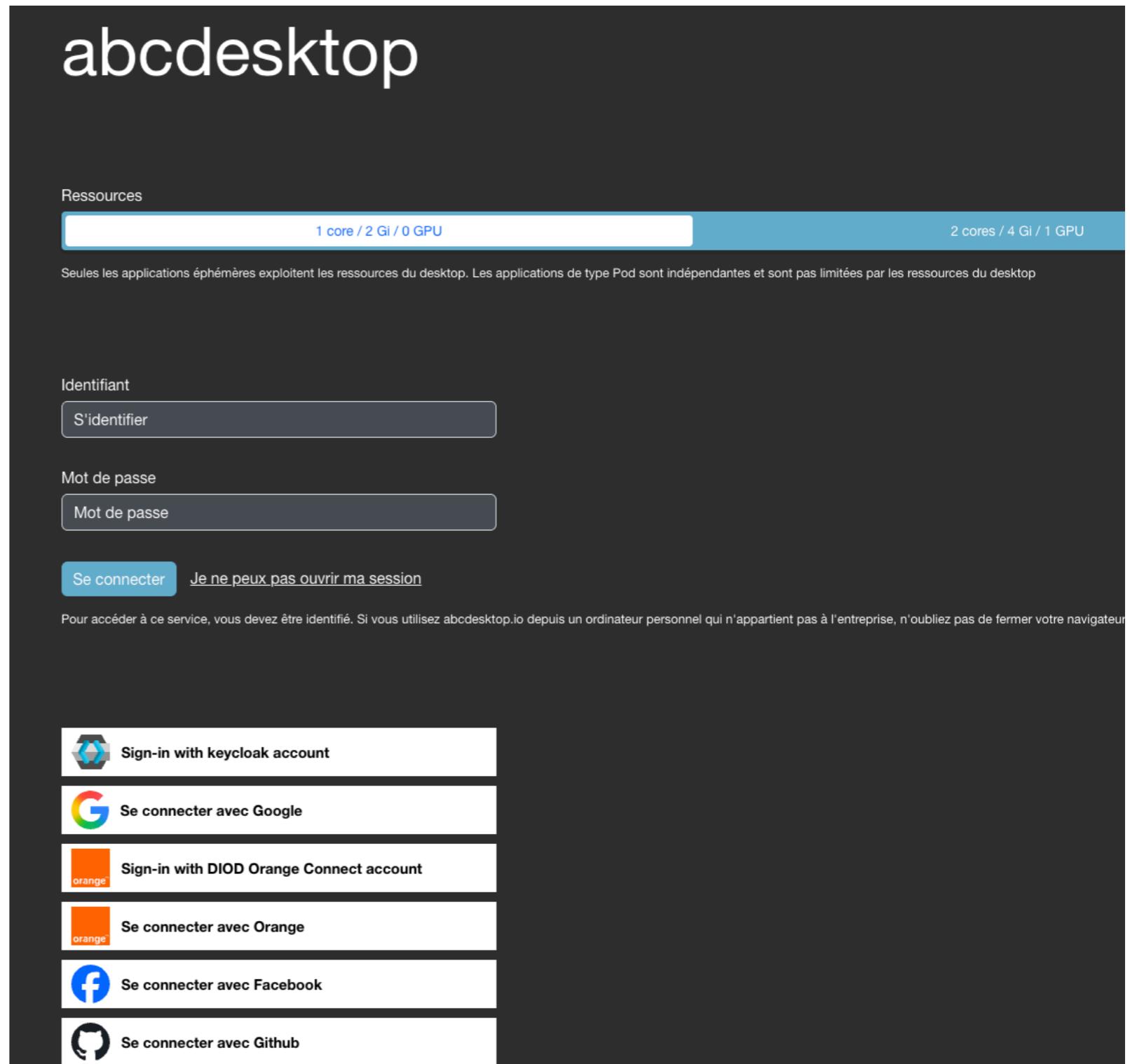
# Features

- Use Remote Frame Buffer inside web socket H.264, ou MPEG-4 AVC (Advanced Video Coding)
  - noVnc <https://novnc.com/>
- Support sound and microphone ( MPEG-4 )
- Drag & Drop file into the desktop (web browser)
- Download file from desktop
- Cups to print PDF virtual printer

# Authentication

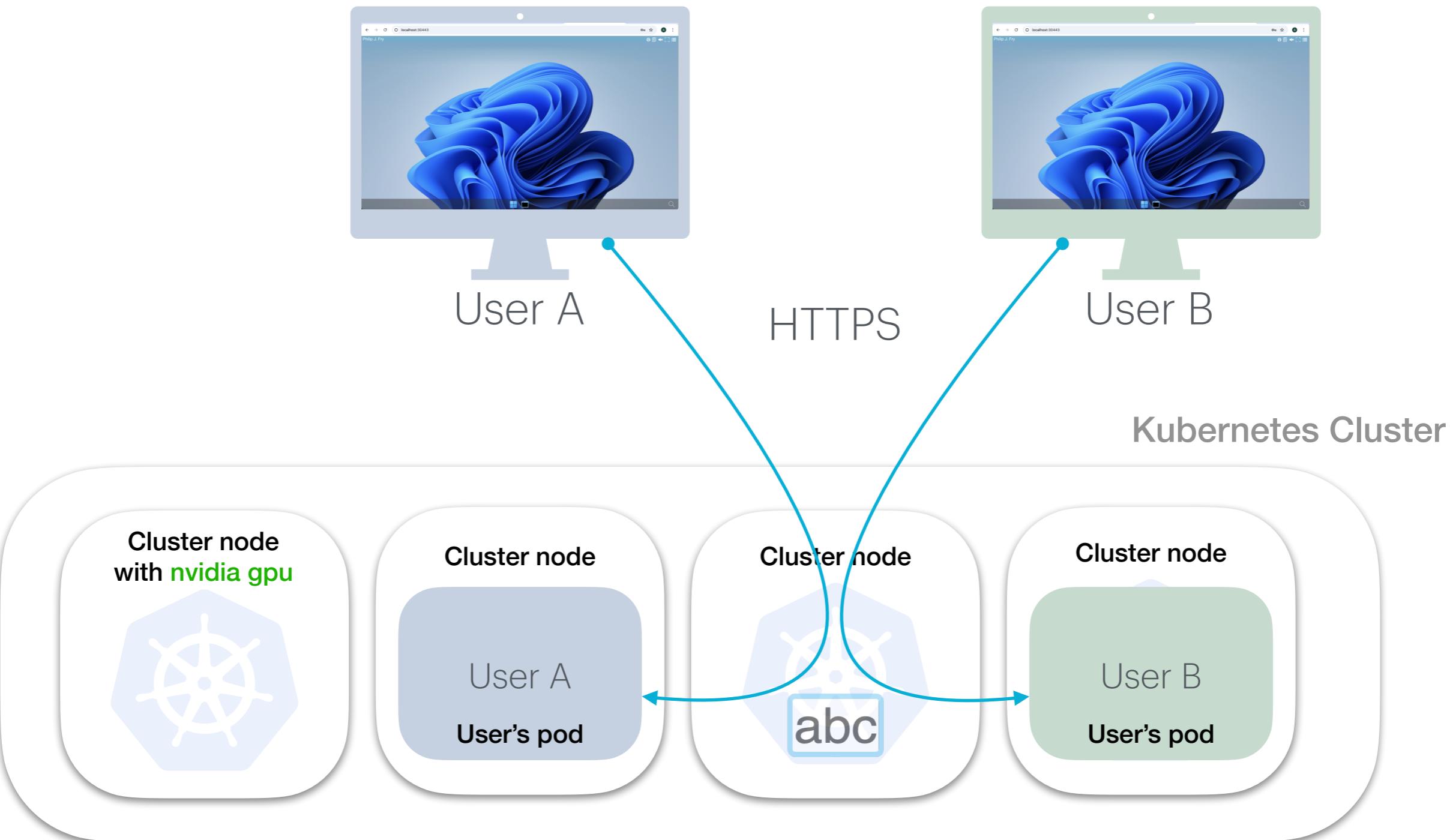
## User authentication

- LDAP v3
  - PosixAccount
  - RFC 2307
- Active Directory, trust relationship, forest
- OAuth 2.0
- Keycloak
- Mobile Connect
- Anonymous



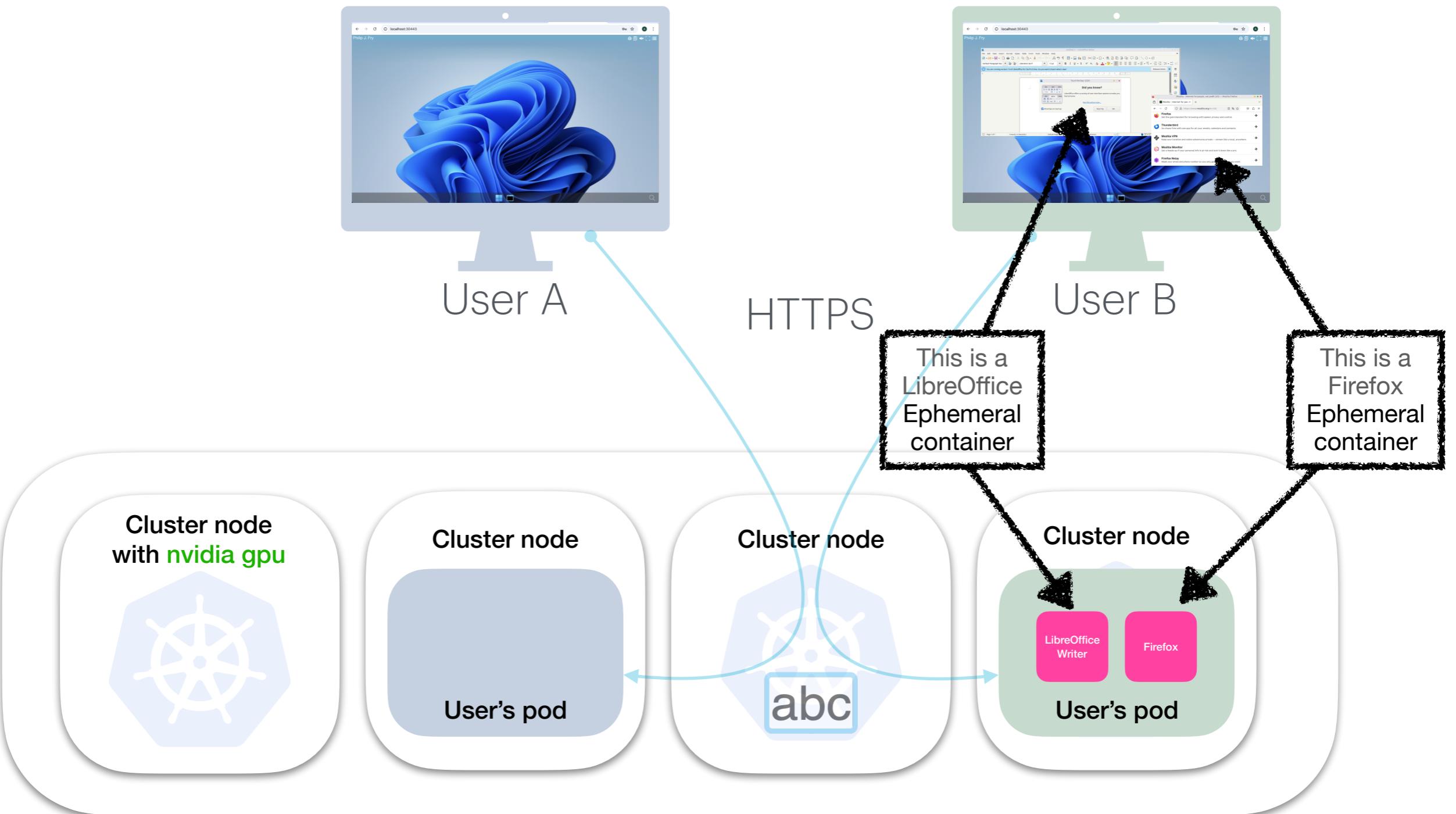
# Cloud Native Desktop

Pod user



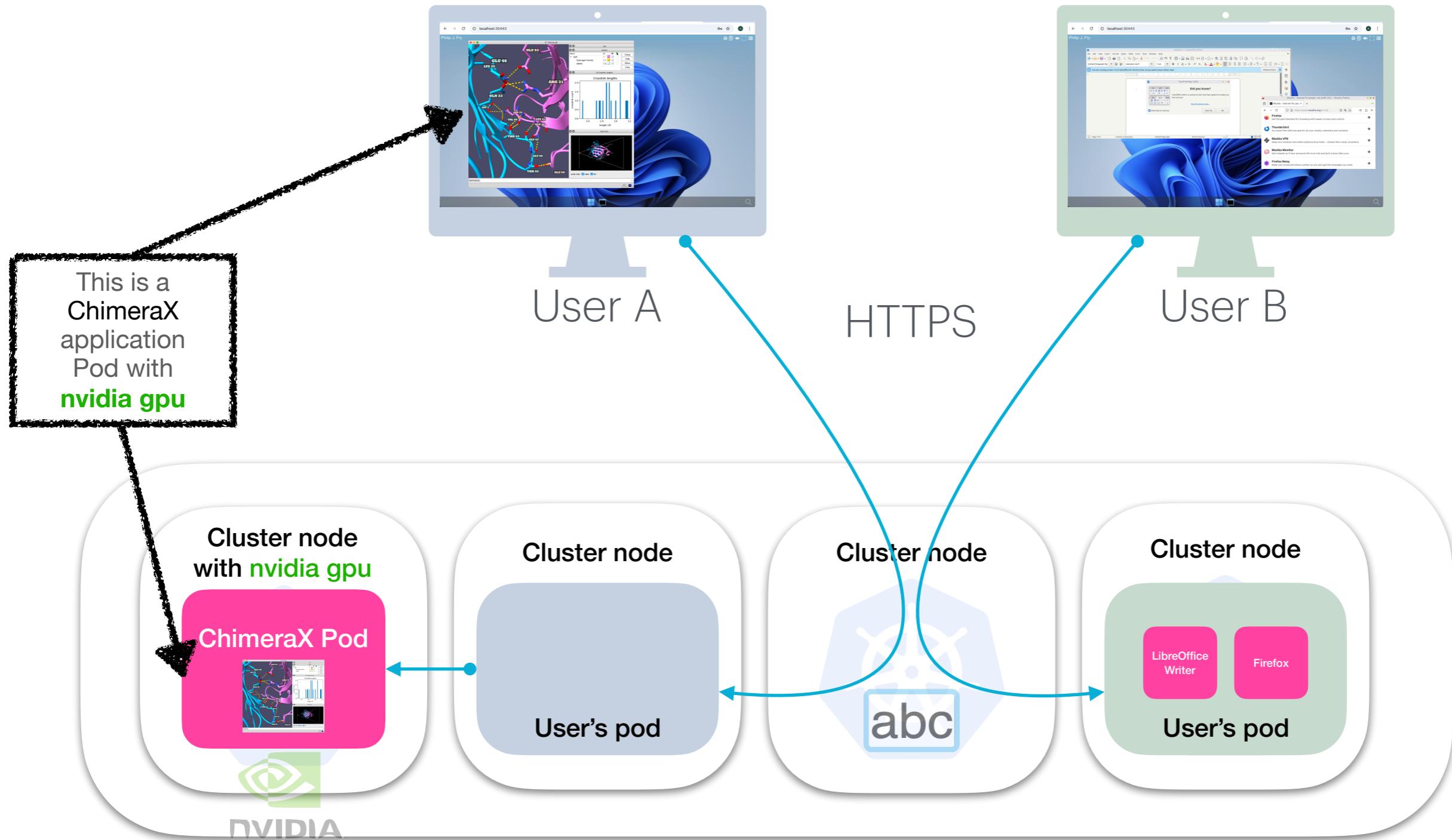
# Cloud Native Desktop

Application as container



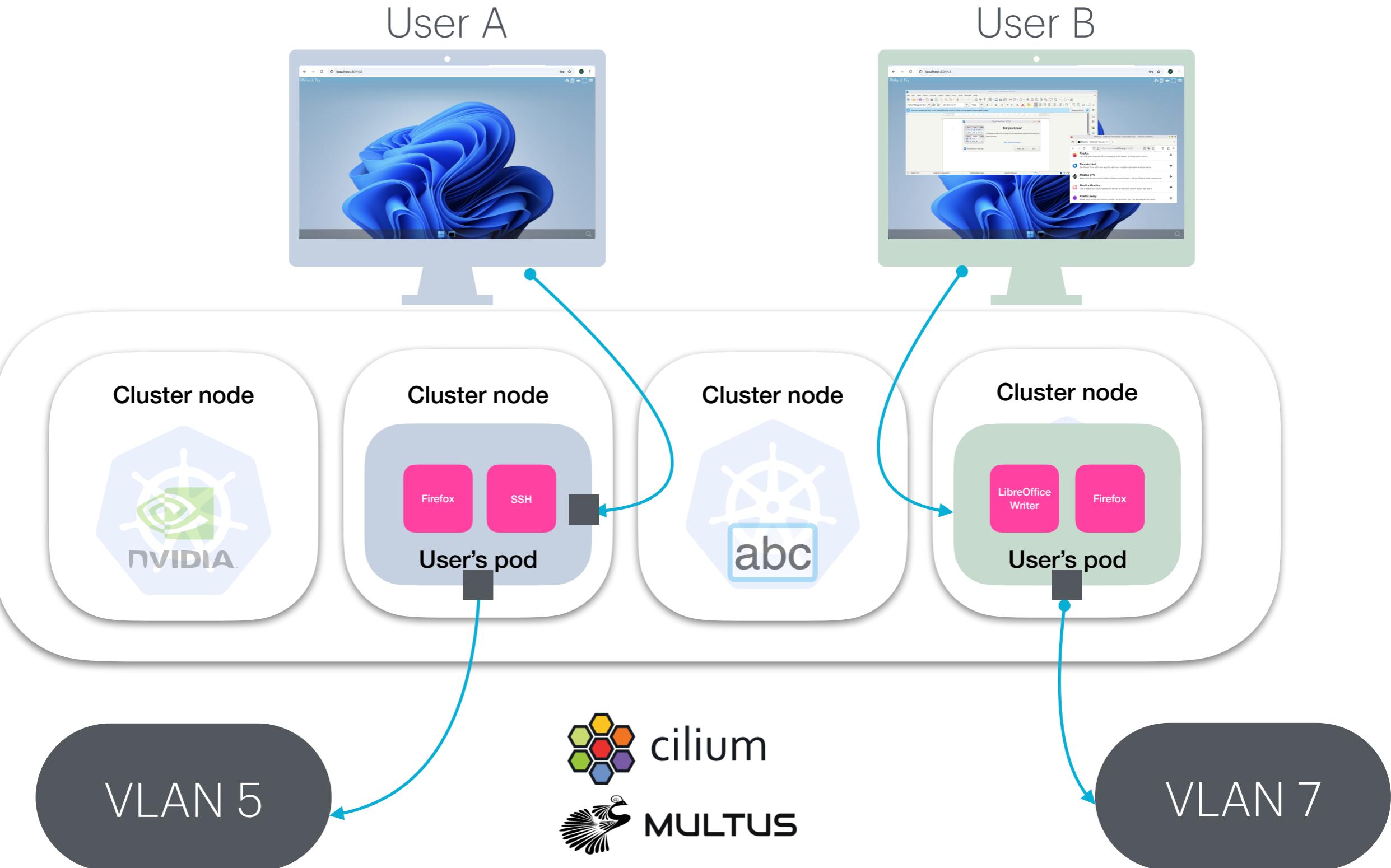
# Cloud Native Desktop

Application as pod



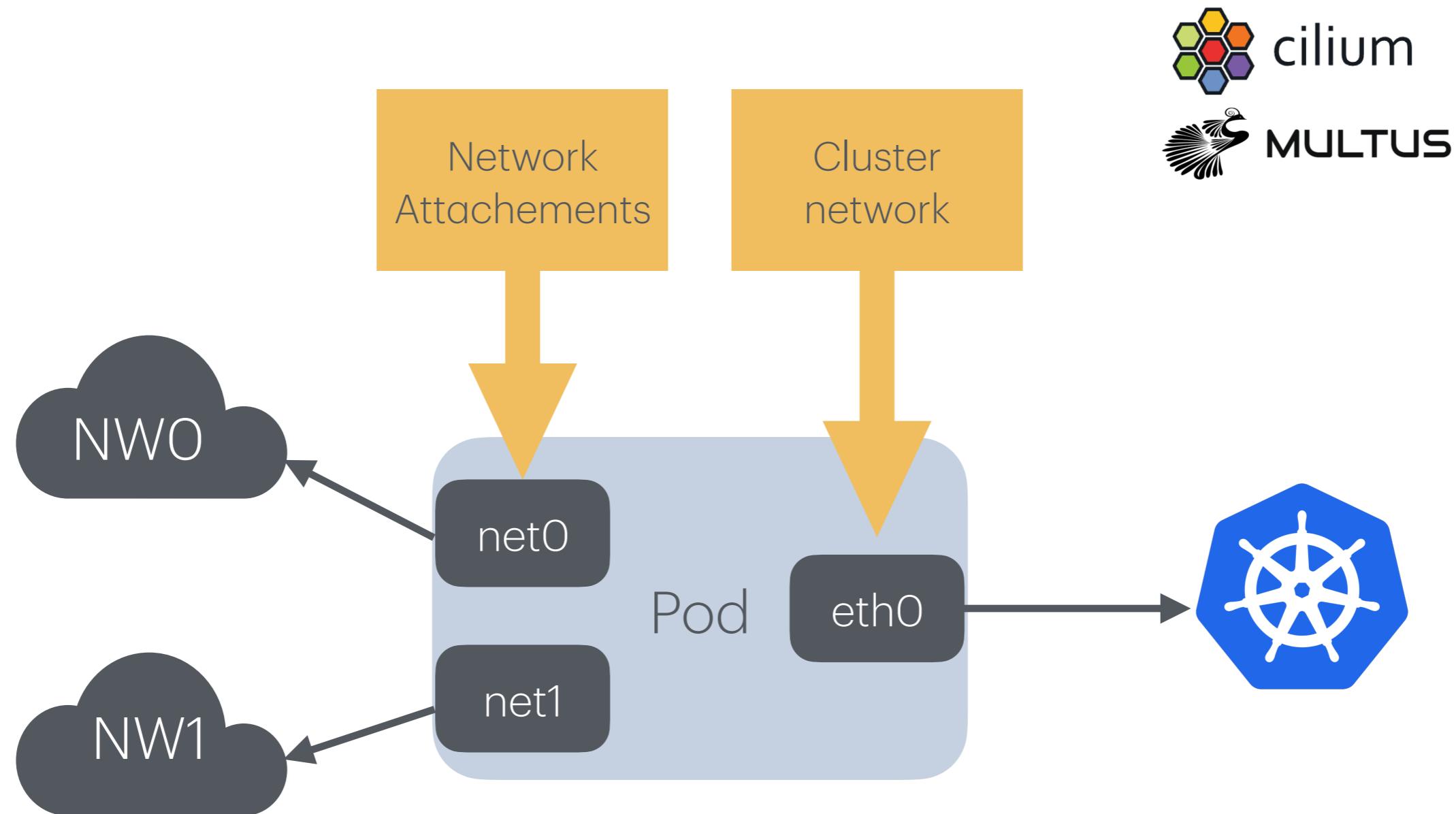
# Remote administration

With cilium or multus



# Inside pods

container network interface (CNI) plugin for Kubernetes



Specific user traffic

Cluster network  
kubernetes server/services (e.g.  
kubernetes api-server, kubelet and  
so on)



# Demo

<https://demo.abcdesktop.io>

# Install using helm

```
# helm install my-abcdesktop abcdesktop/abcdesktop --version 4.2.0 --create-namespace -n abcdesktop
```

Hang tight while we grab the latest from your chart repositories...

...Successfully got an update from the "abcdesktop" chart repository

Update Complete. ✨ Happy Helming! ✨

NAME: my-abcdesktop

LAST DEPLOYED: Mon Sep 29 17:42:59 2025

# Connect install (1/2)

kubectl port-forward router-od-c476c59fc-l7zzs "30443:80" -n abcdesktop

localhost:30443

abcdesktop

Identifiant

S'identifier

Mot de passe

Mot de passe

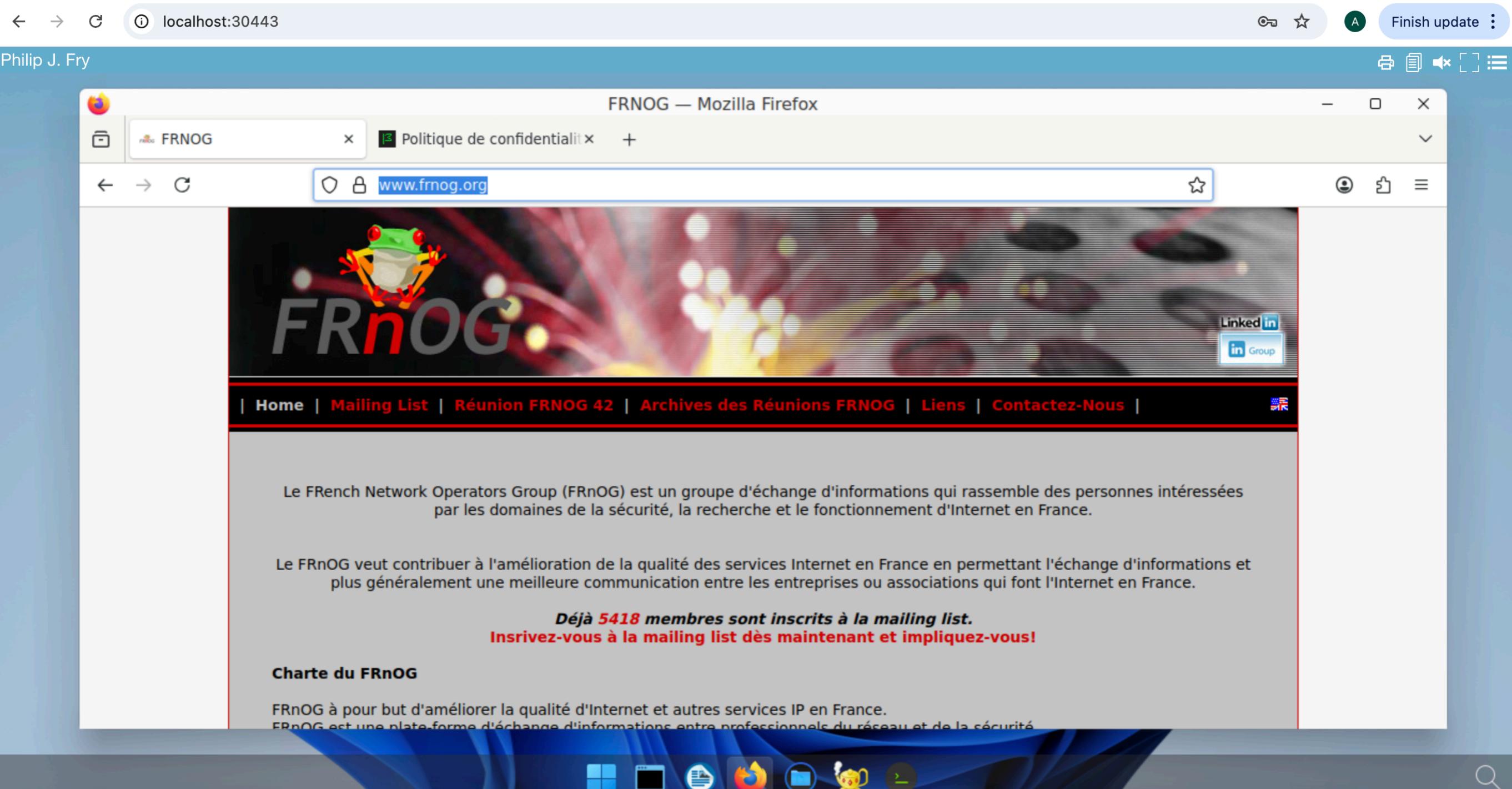
Se connecter [Je ne peux pas ouvrir ma session](#)

Pour accéder à ce service, vous devez être identifié. Si vous utilisez abcdesktop.io depuis un ordinateur personnel qui n'appartient pas à l'entreprise, n'oubliez pas de fermer votre navigateur et de supprimer les pièces jointes enregistrées sur le disque dur lorsque vous avez terminé. En cas de problème,appelez votre support habituel.

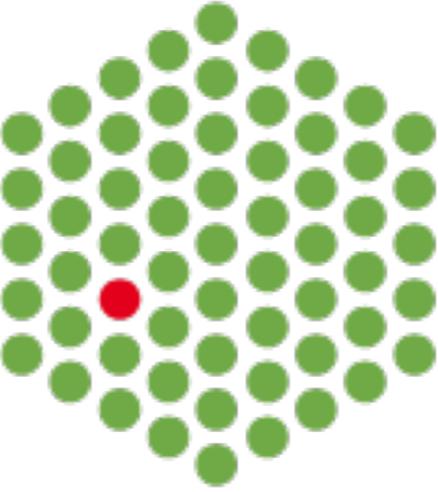
 [Sign-in with Anonymous account](#)

# Start firefox inside the desktop

www.frnog.org web site inside a firefox container



# Adopters

|             |  |  |
|-------------|--|--|
|             |  The orange logo consists of a solid orange square with the word "orange" in white lowercase letters, followed by a small trademark symbol (TM) in white.   | Telecommunications operator and digital service provider.                      |
| <b>EMBL</b> |  The EMBL logo features the acronym "EMBL" in a large, bold, black sans-serif font. To its right is a graphic element consisting of a grid of green dots of varying sizes, with one red dot positioned in the center. | The European Molecular Biology Laboratory is an intergovernmental organisation |
|             |  The WEISSER logo is written in a bold, black, sans-serif font. The letter "W" is stylized with a red diagonal bar through it. A registered trademark symbol (®) is located at the bottom right of the word.         | Precision plastics industries  |

# Questions



Thank you

<https://www.abcdesktop.io>