

abcdesktop.io



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

Alexandre DEVELY Friday, October 24, 2025

What is abcdesktop.io ?

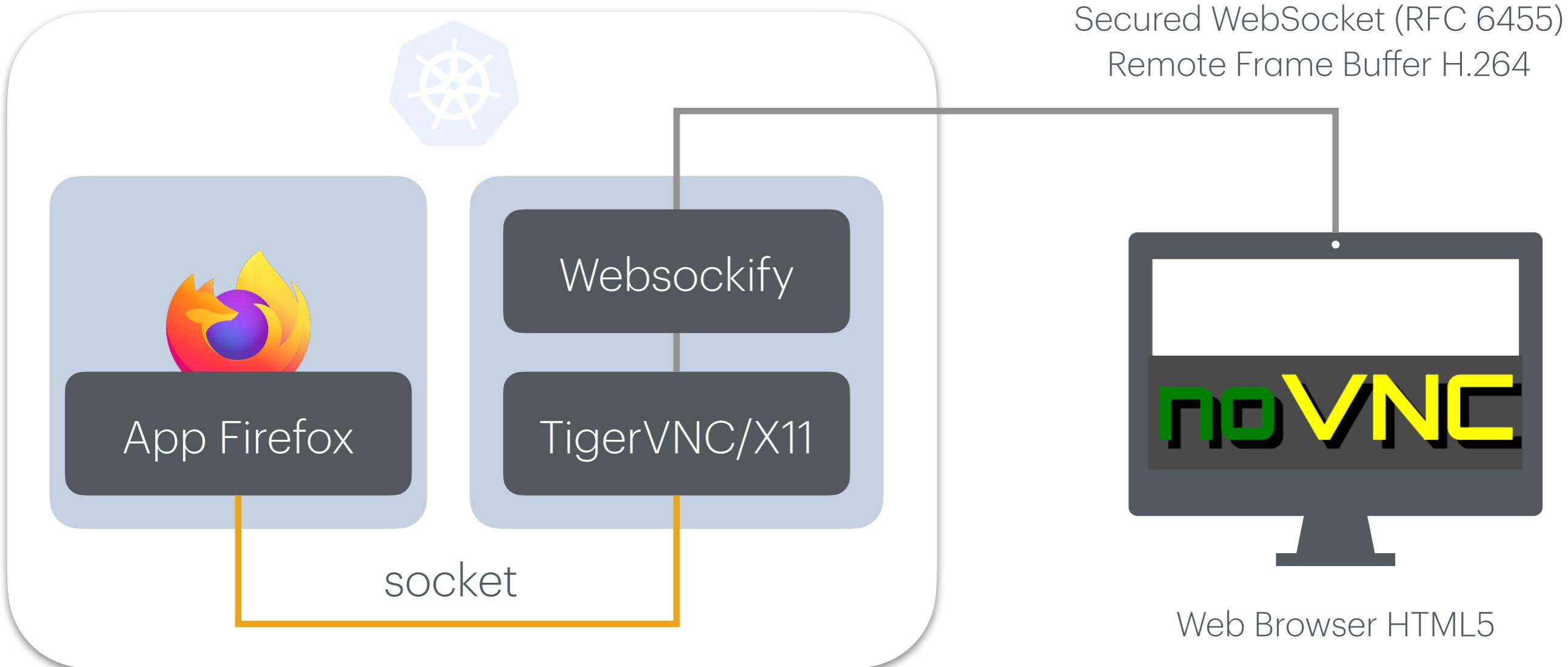
Desktop service for Kubernetes



- Licence GNU GPLv2 <https://github.com/abcdesktopio/>
- VDI Service, Cloud native desktop service for Kubernetes
- 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

What is abcdesktop.io ?

Desktop service for Kubernetes



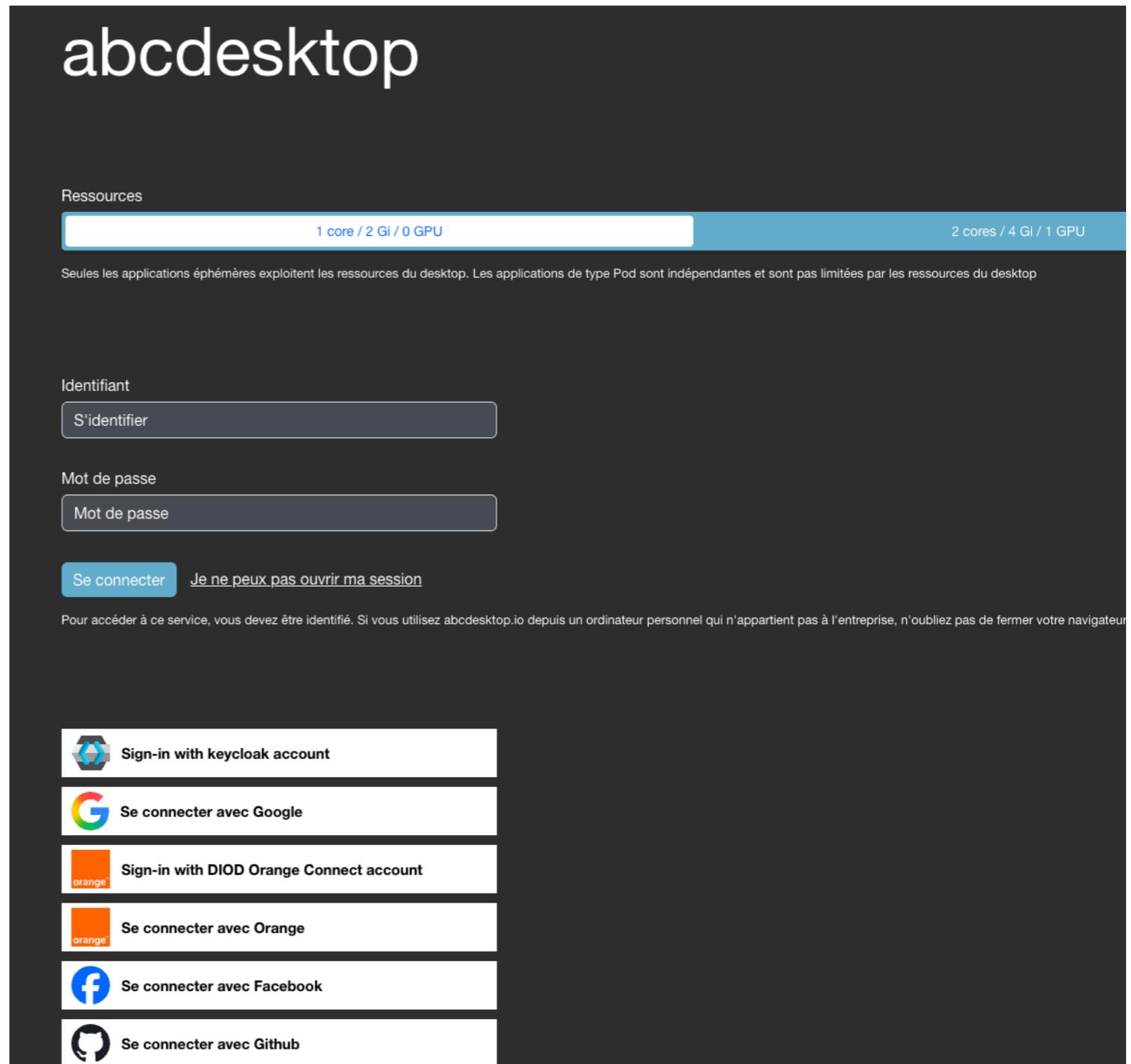
Features

- 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

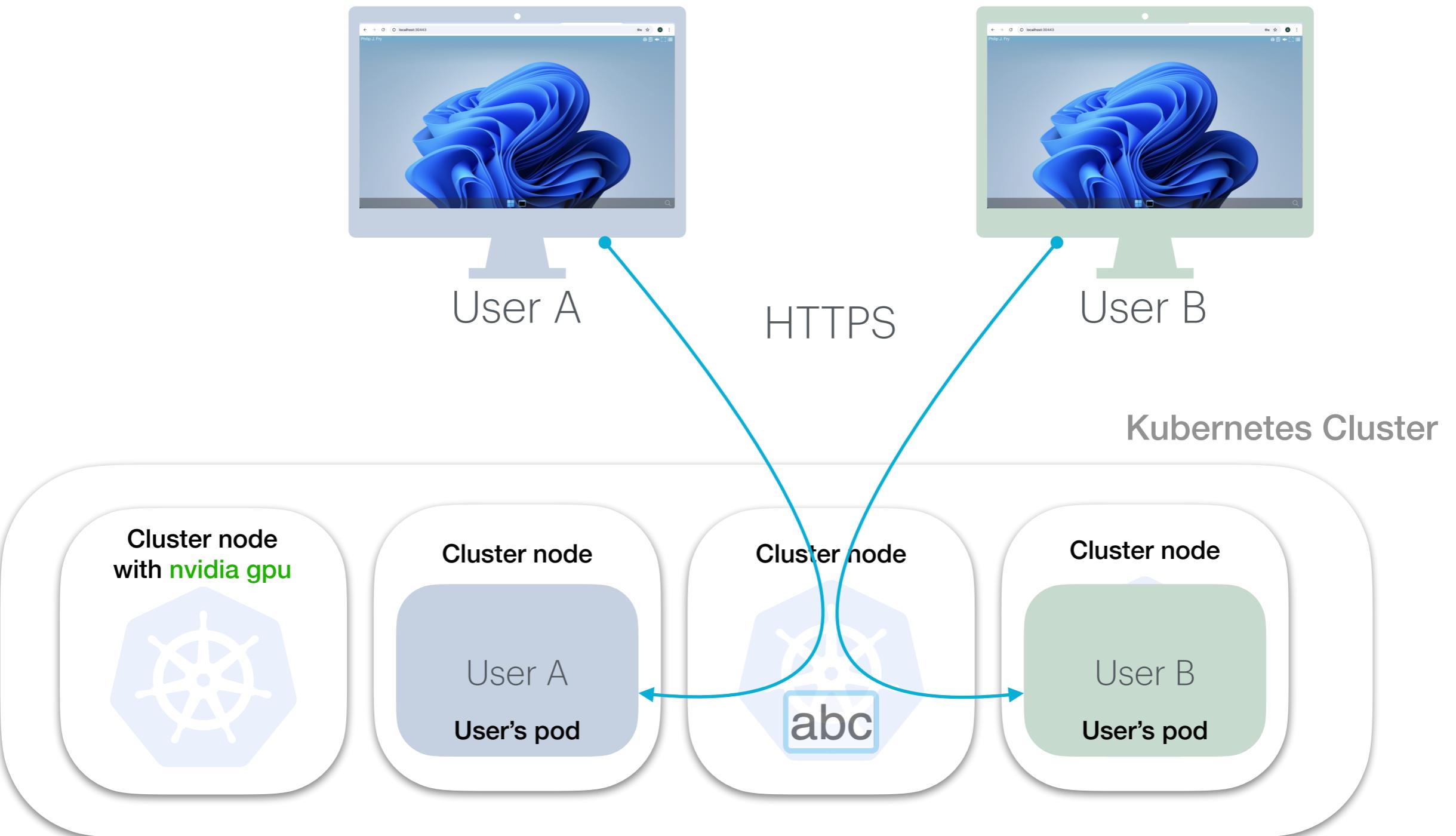
User authentication

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



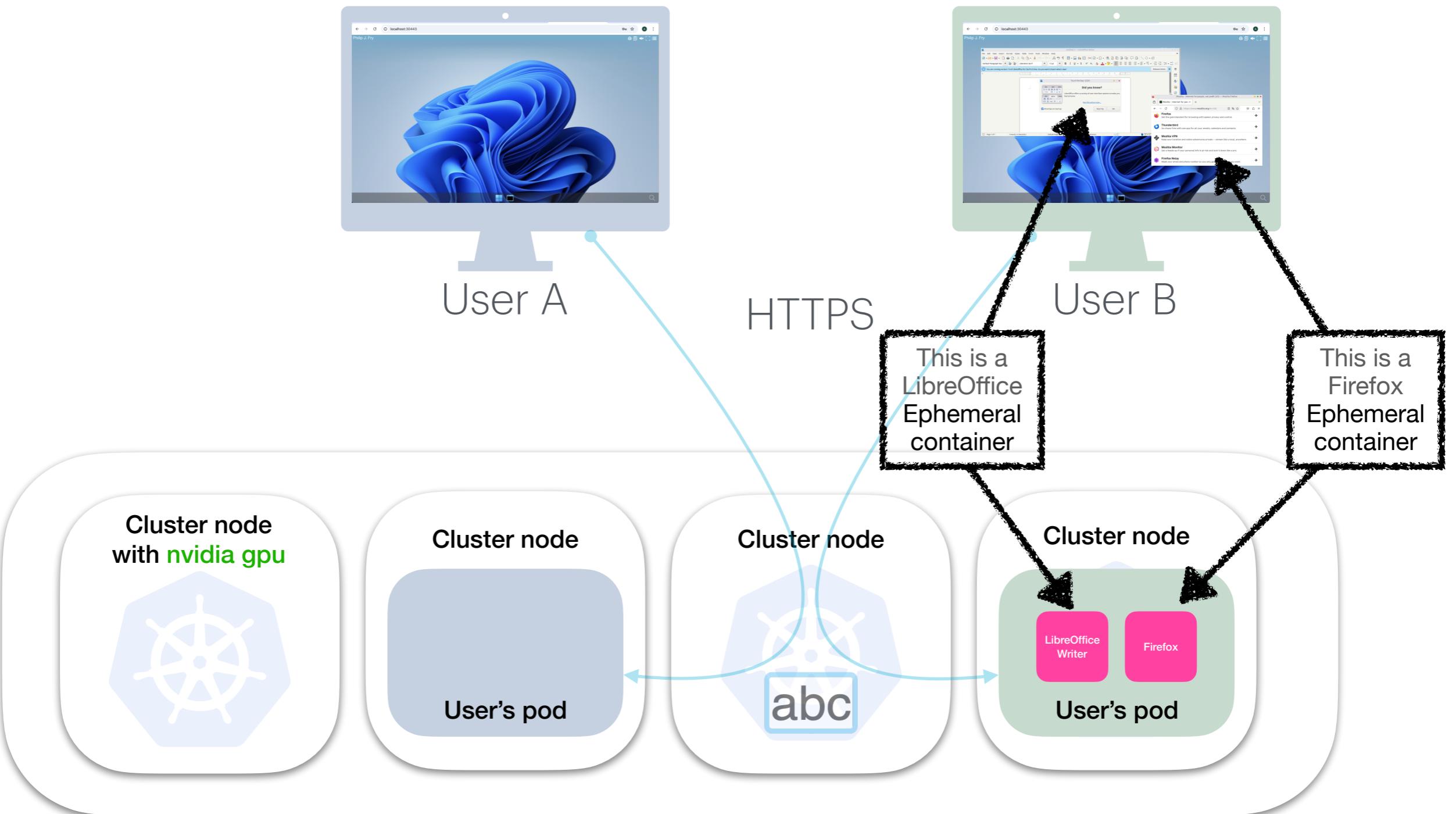
Cloud Native Desktop

Pod user



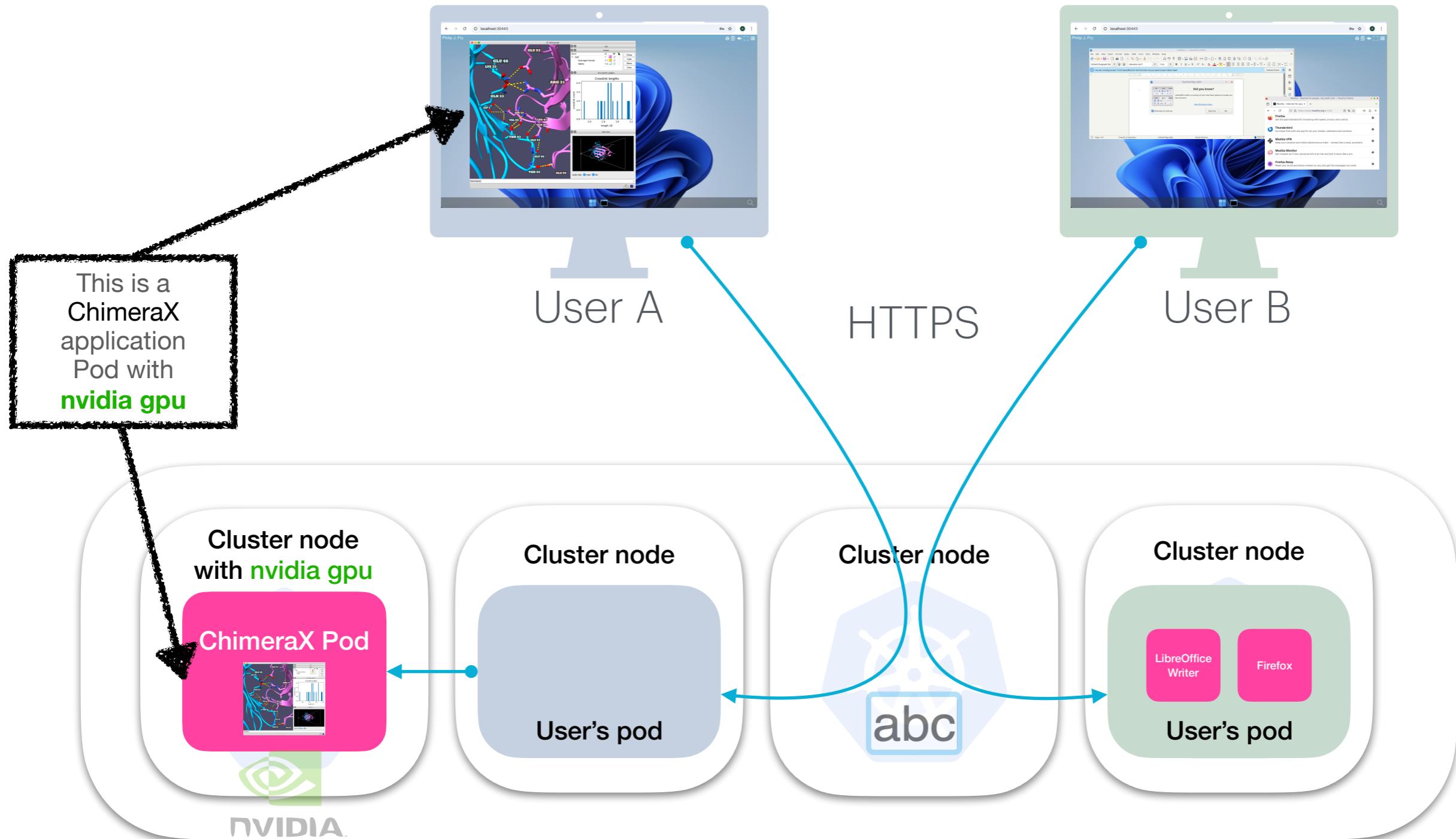
Cloud Native Desktop

Application as container



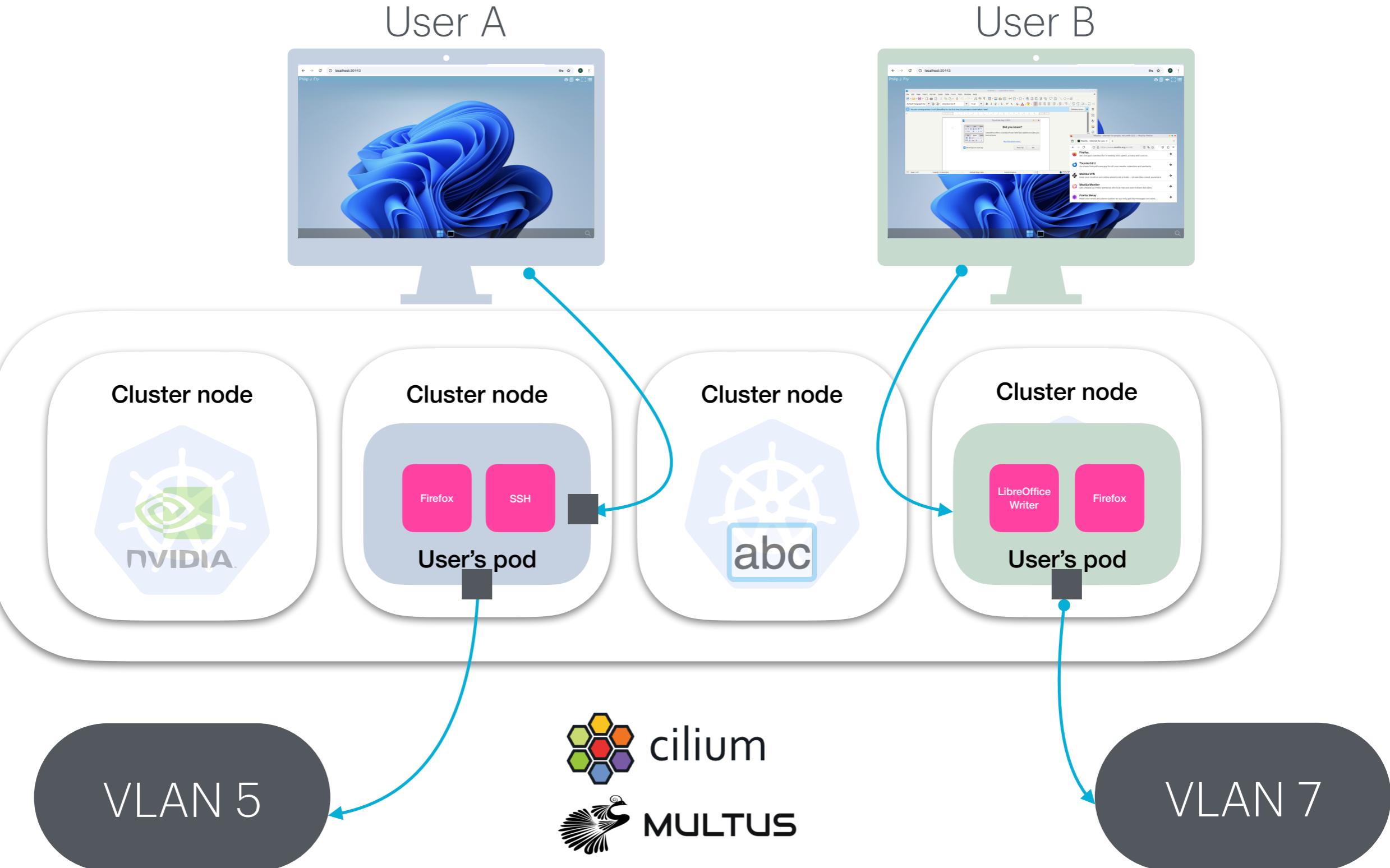
Cloud Native Desktop

Application as pod



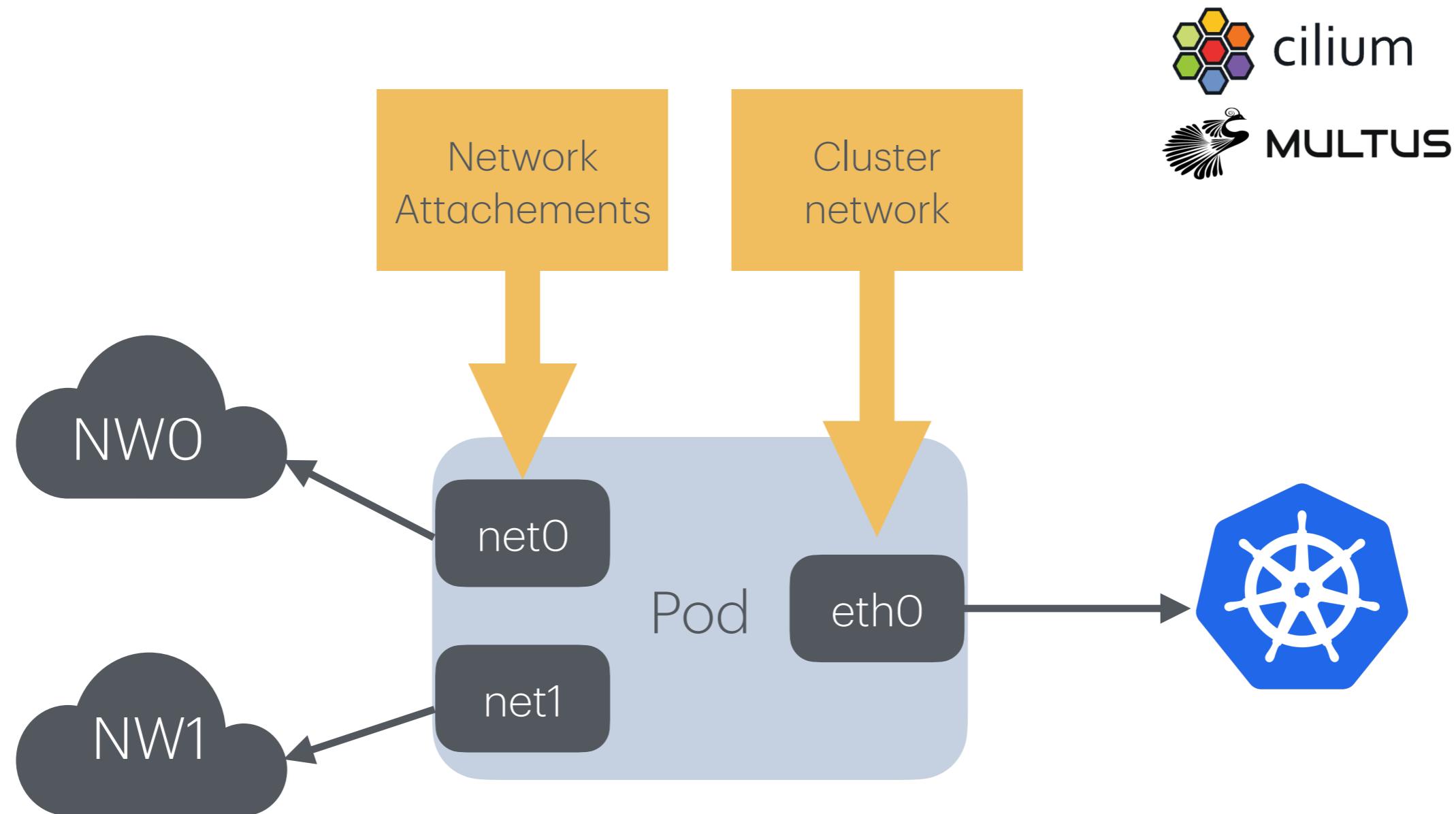
Remote administration

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

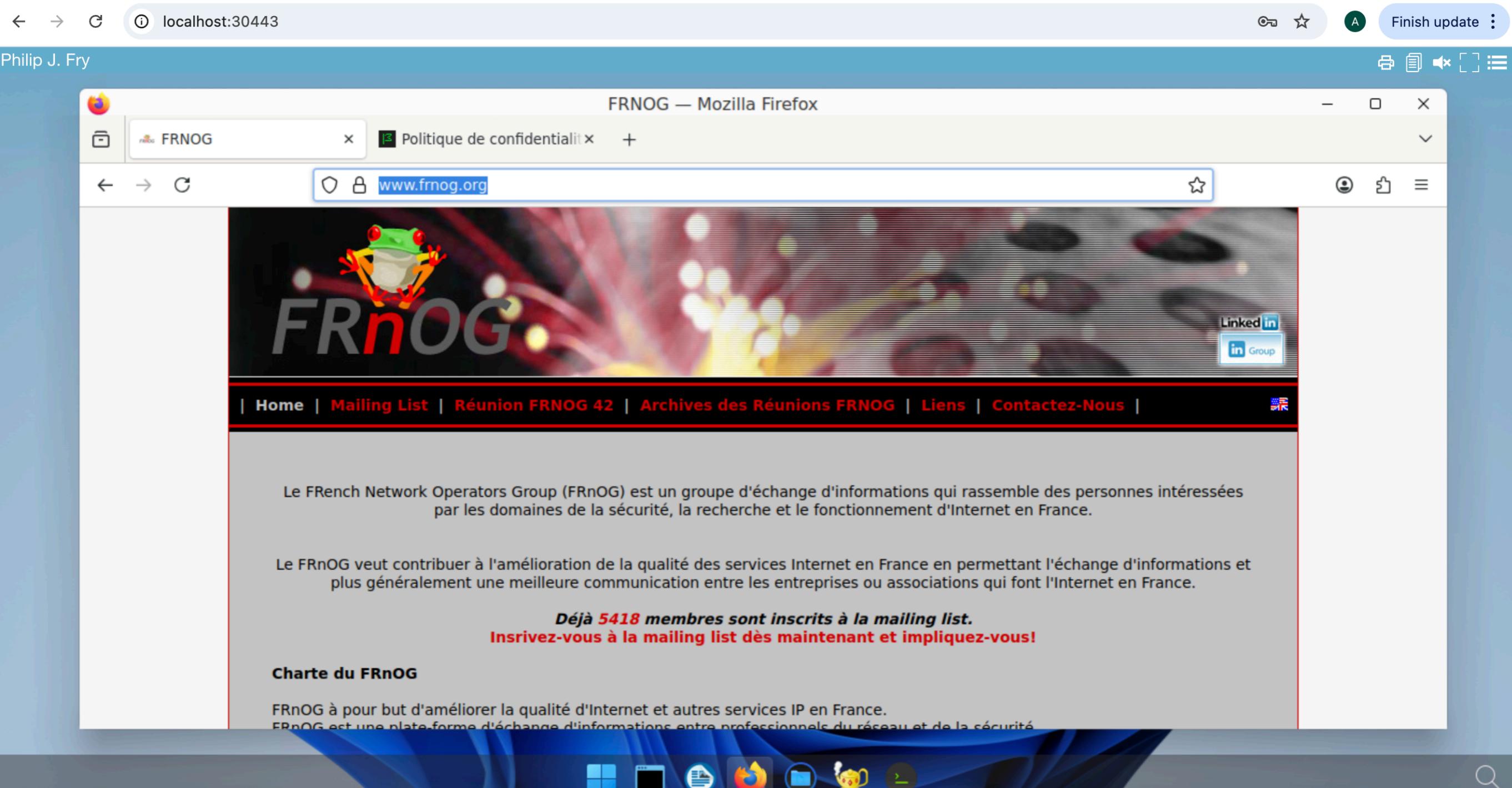
Se connecter [Je ne peux pas ouvrir ma session](#)

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.
 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 at the center.	The European Molecular Biology Laboratory is an intergovernmental organisation	
 The WEISSER logo consists of the word "WEISSER" in a bold, black, sans-serif font. A thick red diagonal bar runs through the top of the letter "W". A registered trademark symbol (®) is located at the bottom right of the word.	Precision plastics industries	

FRnOG 42

<https://www.abcdesktop.io/frnog>

Questions



Thank you

<https://www.abcdesktop.io>