

abcdesktop.io



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

Alexandre DEVELY Friday, October 24, 2025

What is abctdesktop.io ?

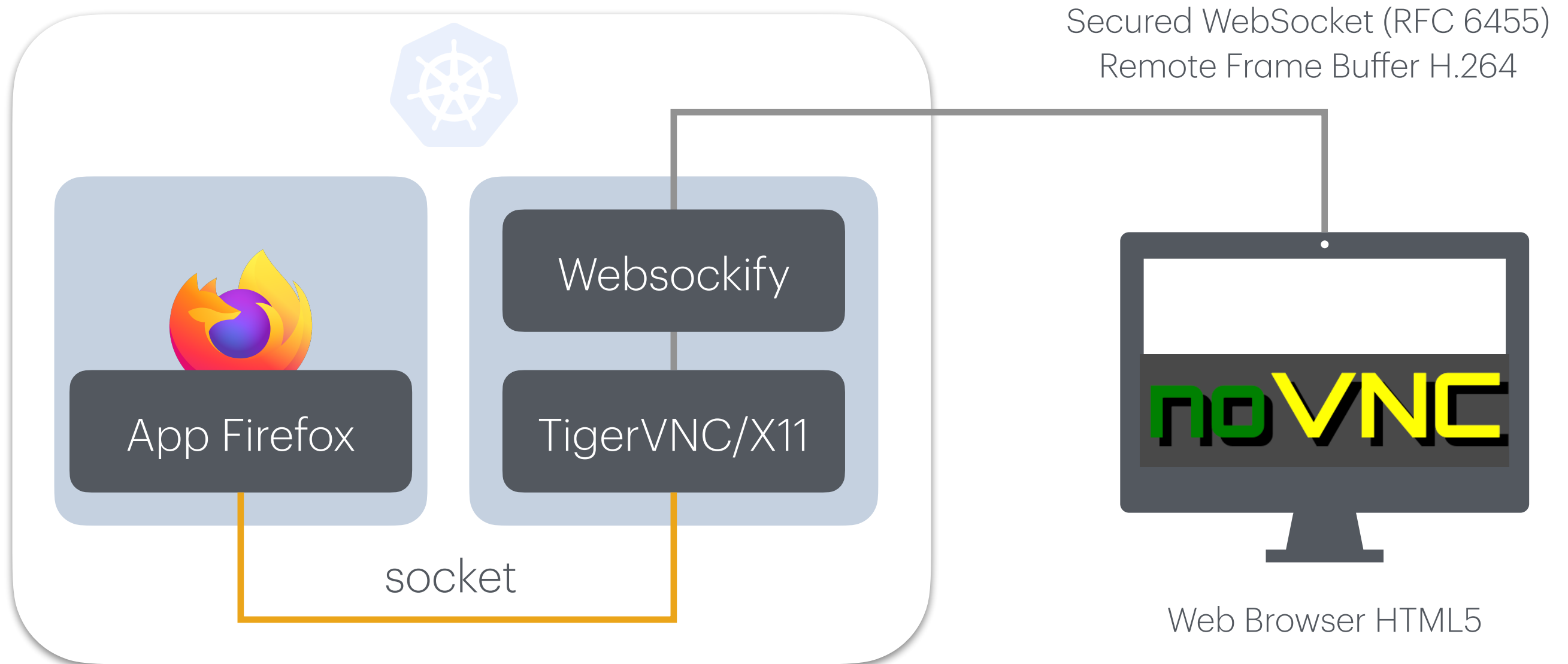
Desktop service for Kubernetes



- Licence GNU GPLv2 <https://github.com/abctdesktopio/>
- 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



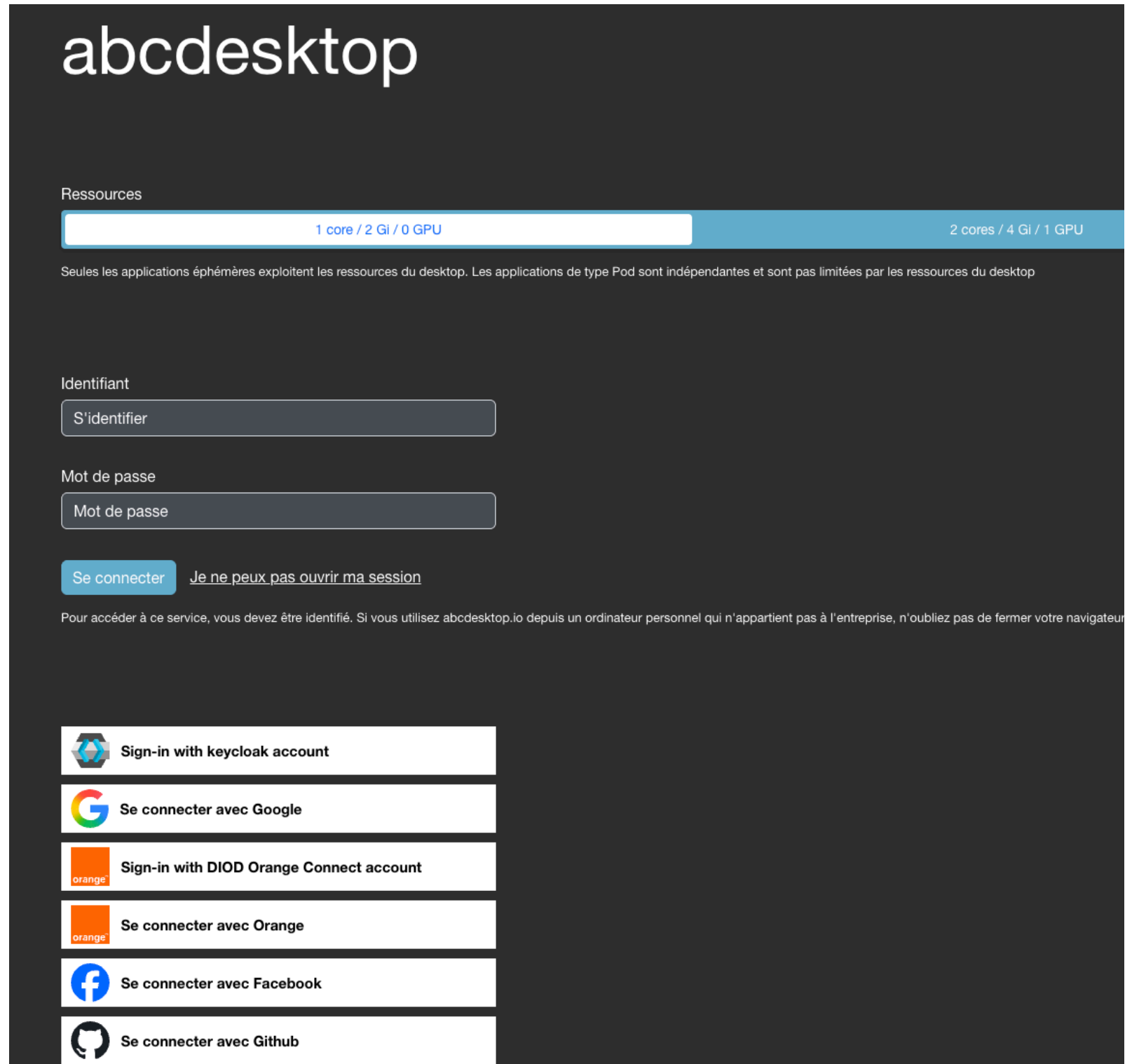
Features

- 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

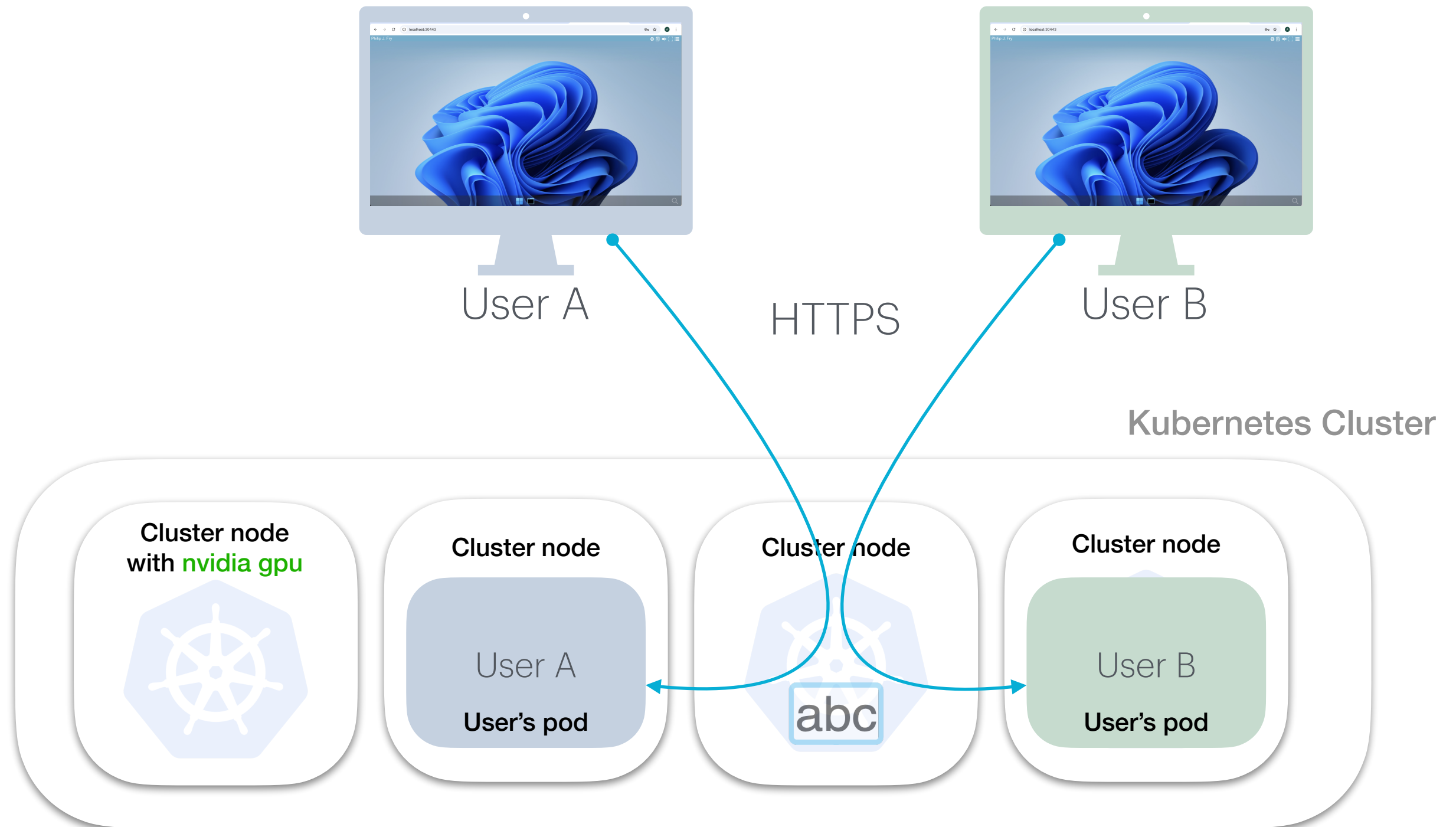
- LDAP v3
 - PosixAccount
 - RFC 2307
- Active Directory, trust relationship, forest
- OAuth 2.0
 - Keycloak
 - Mobile Connect
 - Anonymous



The screenshot shows the 'abcdesktop' login page. At the top, the title 'abcdesktop' is displayed in white on a dark background. Below it, a 'Ressources' section features a progress bar with two segments: a white segment labeled '1 core / 2 Gi / 0 GPU' and a blue segment labeled '2 cores / 4 Gi / 1 GPU'. A note below the bar states: 'Seules les applications éphémères exploitent les ressources du desktop. Les applications de type Pod sont indépendantes et sont pas limitées par les ressources du desktop'. The login form includes an 'Identifiant' field with a placeholder 'S'identifier', a 'Mot de passe' field with a placeholder 'Mot de passe', and a 'Se connecter' button. A link 'Je ne peux pas ouvrir ma session' is located next to the button. A disclaimer at the bottom of the form reads: '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'. Below the form, there are six social login buttons: 'Sign-in with keycloak account' (with Keycloak logo), 'Se connecter avec Google' (with Google logo), 'Sign-in with DIOD Orange Connect account' (with Orange logo), 'Se connecter avec Orange' (with Orange logo), 'Se connecter avec Facebook' (with Facebook logo), and 'Se connecter avec Github' (with Github logo).

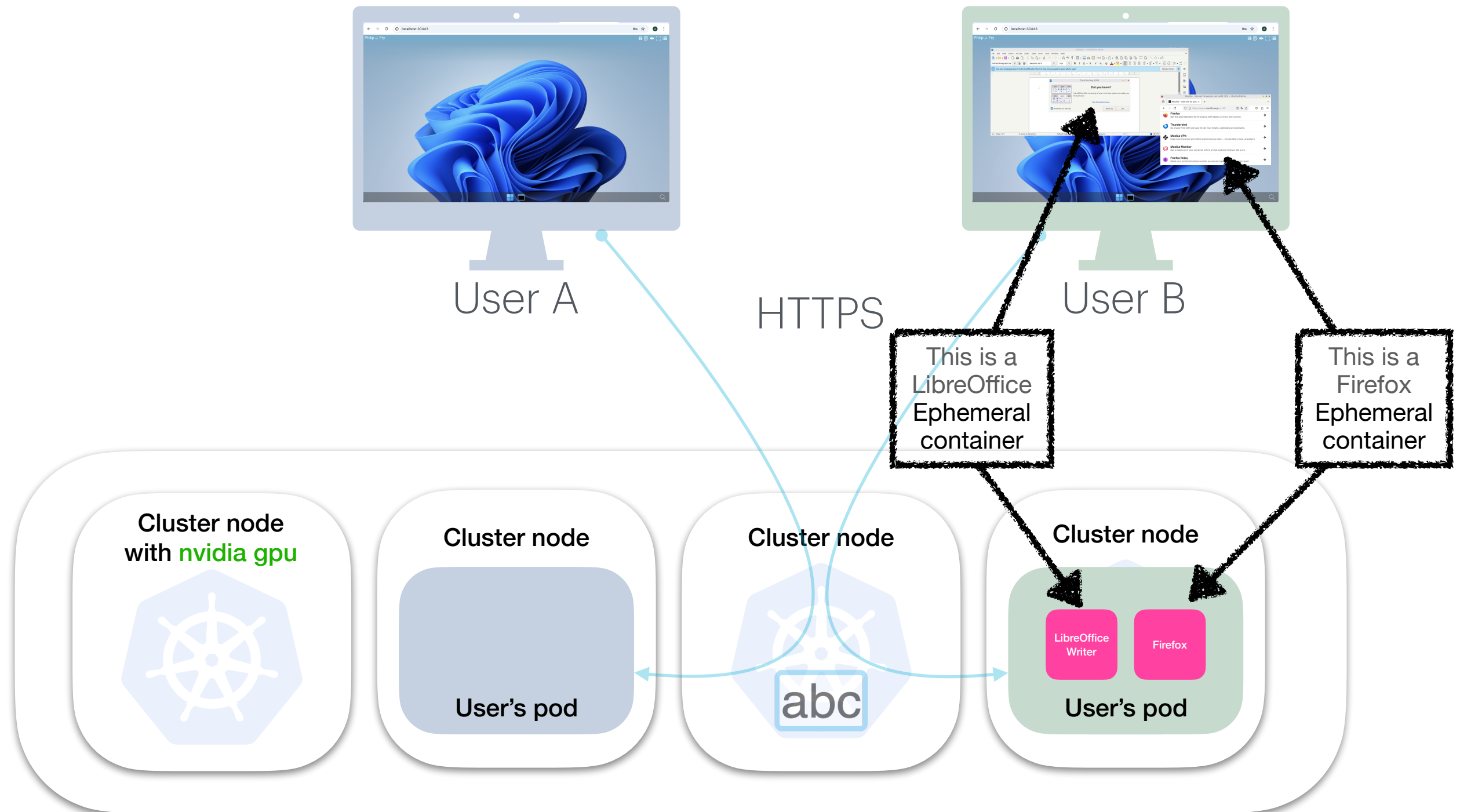
Cloud Native Desktop

Pod user

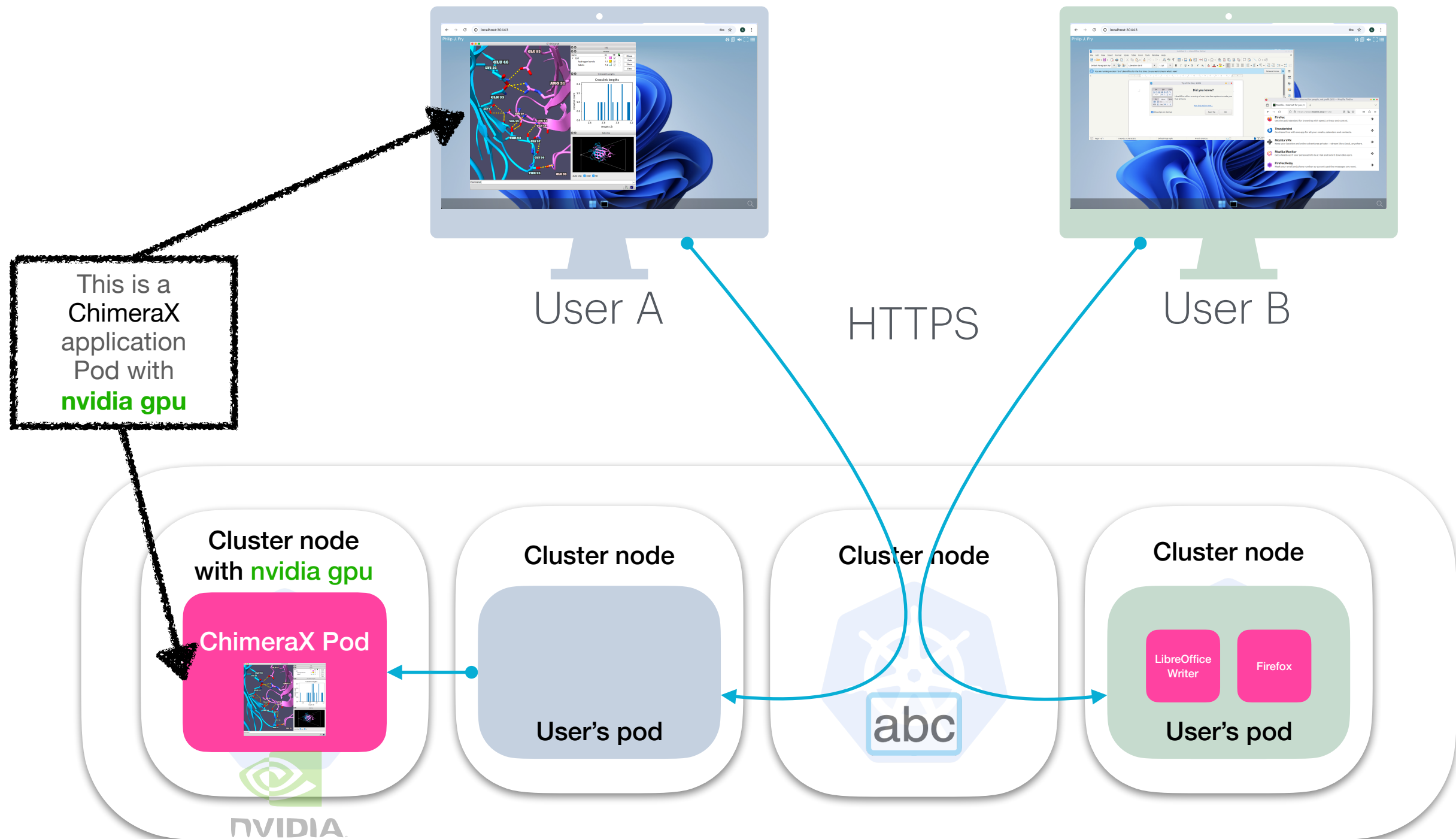


Cloud Native Desktop

Application as container

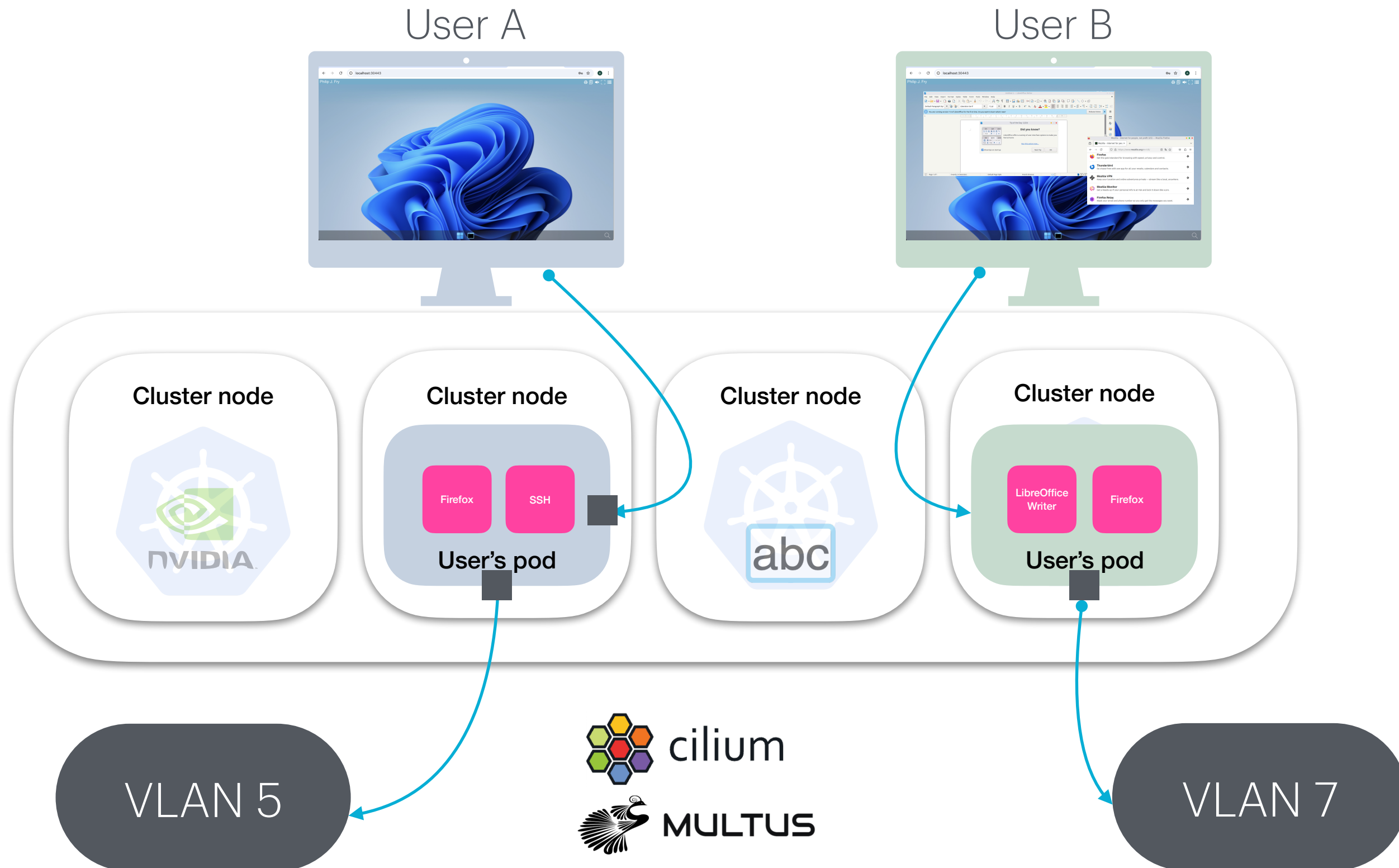


Application as pod



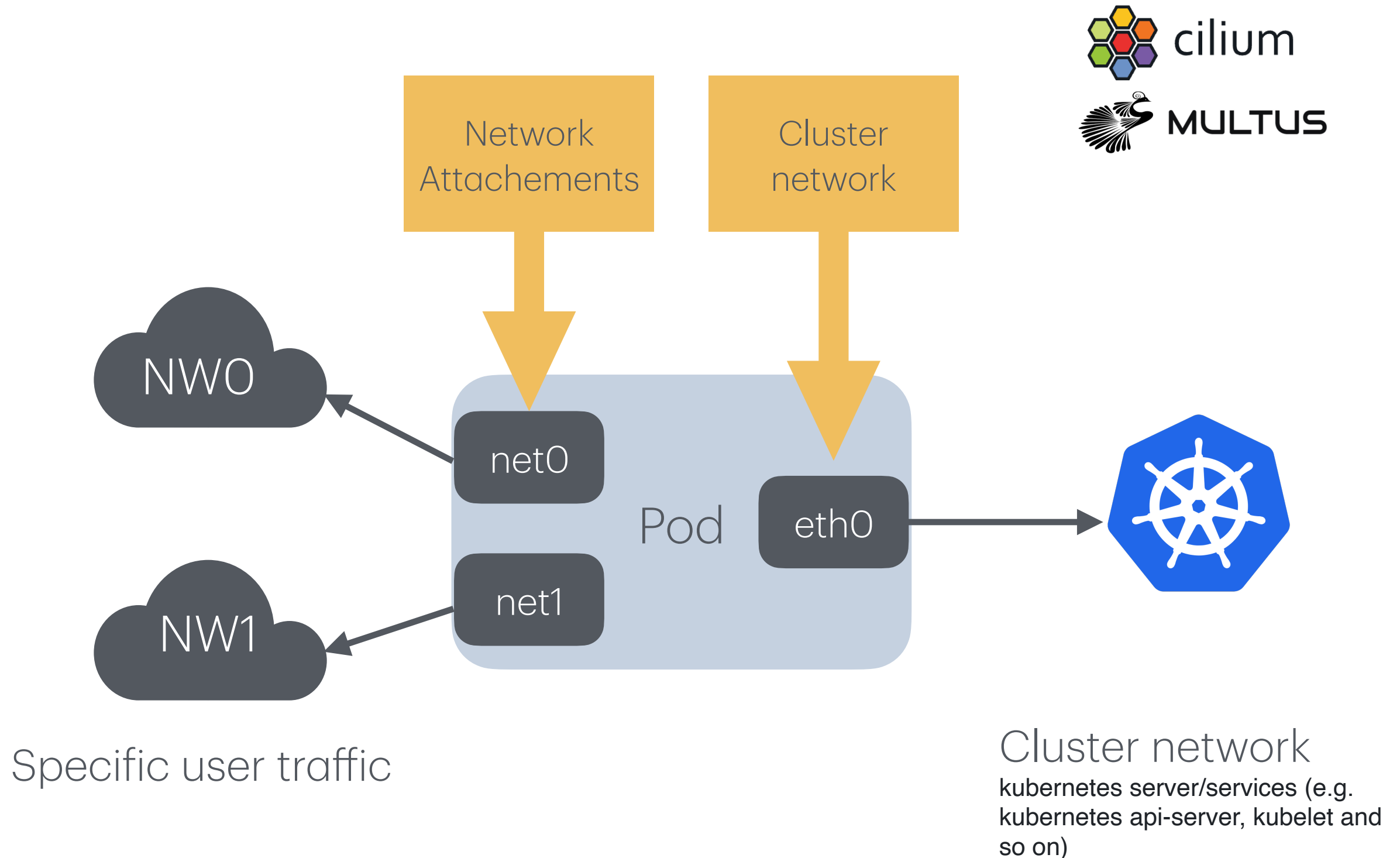
Remote administration

With cilium or multus



Inside pods

container network interface (CNI) plugin for Kubernetes



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

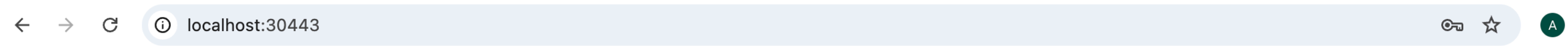
Update Complete. ✨Happy Helming!✨

NAME: my-abcdesktop

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

Connect install (1/2)

```
kubectrl port-forward router-od-c476c59fc-l7zxs "30443:80" -n abcdesktop
```



abcdesktop

Identifiant

Mot de passe

[Se connecter](#)

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

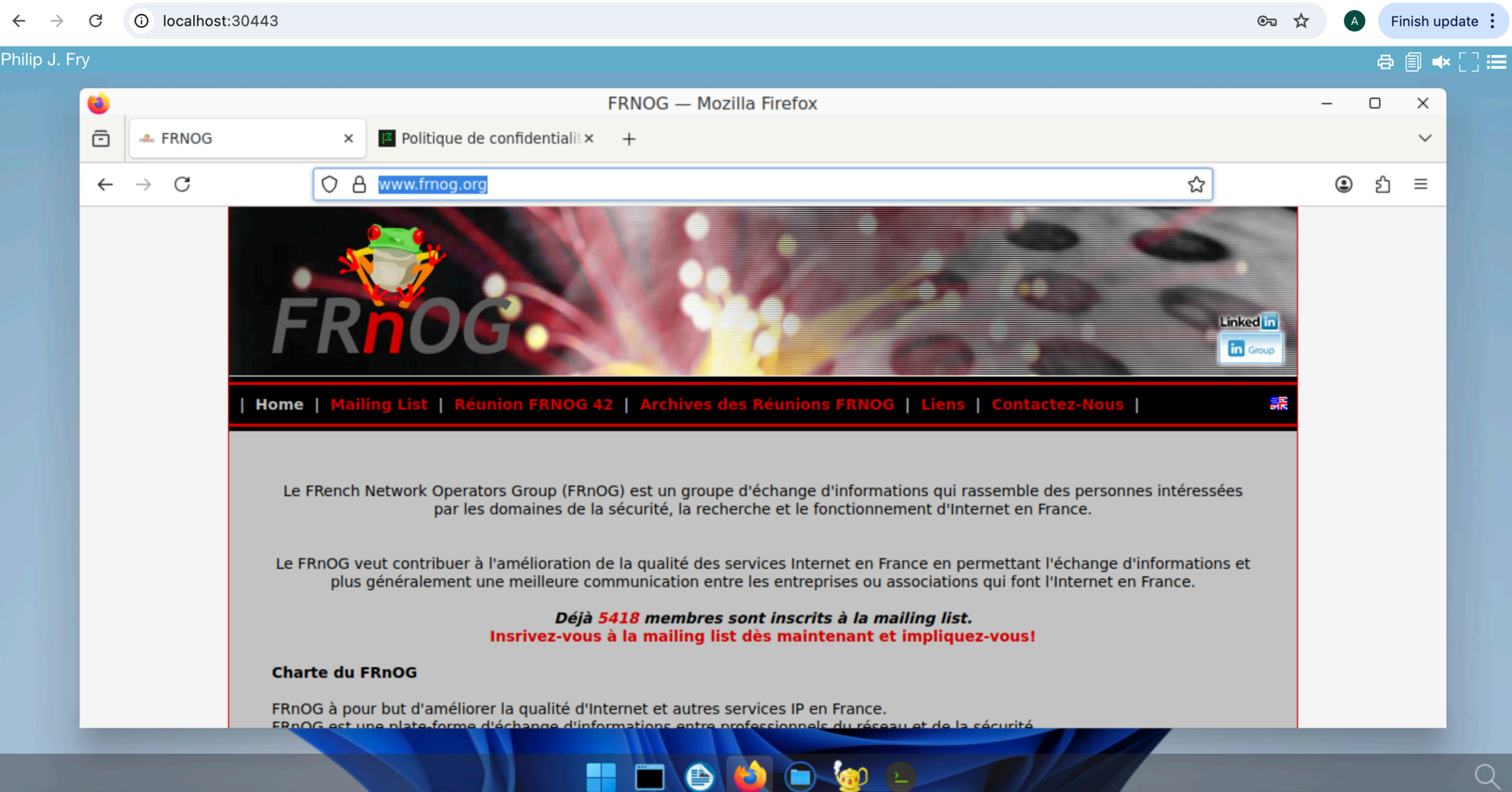
Pour accéder à ce service, vous devez être identifié. Si vous utilisez abcdesktop.io depuis un ordinateur personnel qui n'appartient pas à l'entreprise, n'oubliez pas de fermer votre navigateur et de supprimer les pièces jointes enregistrées sur le disque dur lorsque vous avez terminé. En cas de problème,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



Sign-in with Anonymous account

Start firefox inside the desktop

www.frnog.org web site inside a firefox container



Adopters

	Telecommunications operator and digital service provider.
	The European Molecular Biology Laboratory is an intergovernmental organisation
	Precision plastics industries

Questions



Thank you

<https://www.abcdesktop.io>