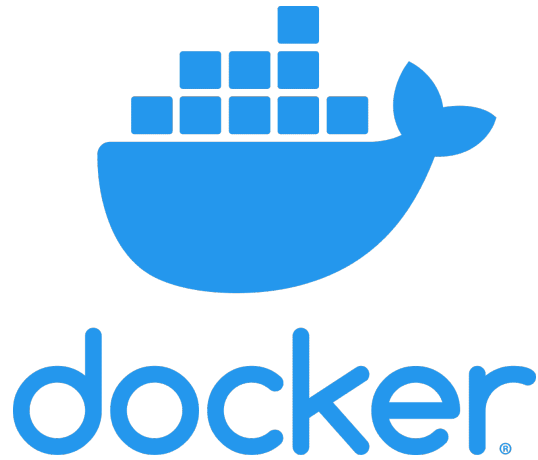


Docker vs Rancher, chi dominerà i Desktop dei developers?



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Sponsor & Org



getlatestversion.it



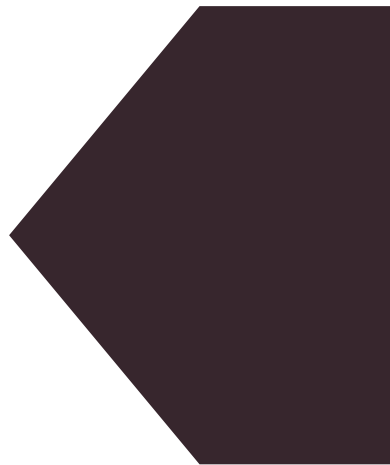
aboutme



- Esperienza trentennale nel mondo ITC
ho sviluppato software per applicazioni scientifiche, mi occupo di operation, supporto agli utenti, testing, automation e cloud.
- Dal 2012 parlo di docker e tecnologie cutting edge IT
ho iniziato con le VM nel 2002, con i container facilitati da docker è stato amore al primo talk.
- Dal 2008 collaboro e contribuisco ad alcune community italiane per diffondere tecnologie e cultura DevOps
sono allergico alla confort-zone e alla frase «si è fatto sempre così, perché cambiare?»
- Nonostante il Covid sono qui di nuovo a mettermi in gioco.

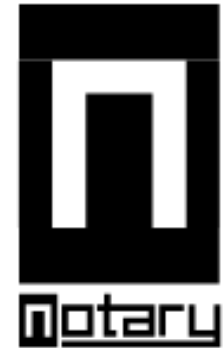
di cosa parliamo ?

- Cos'è Docker Desktop
rapida descrizione e ultime novità del prodotto
- Cos'è Rancher Desktop
veloce descrizione dei componenti e novità del pacchetto
- Docker vs Rancher
confronto tra i due contendenti
- Conclusioni/Takeaway

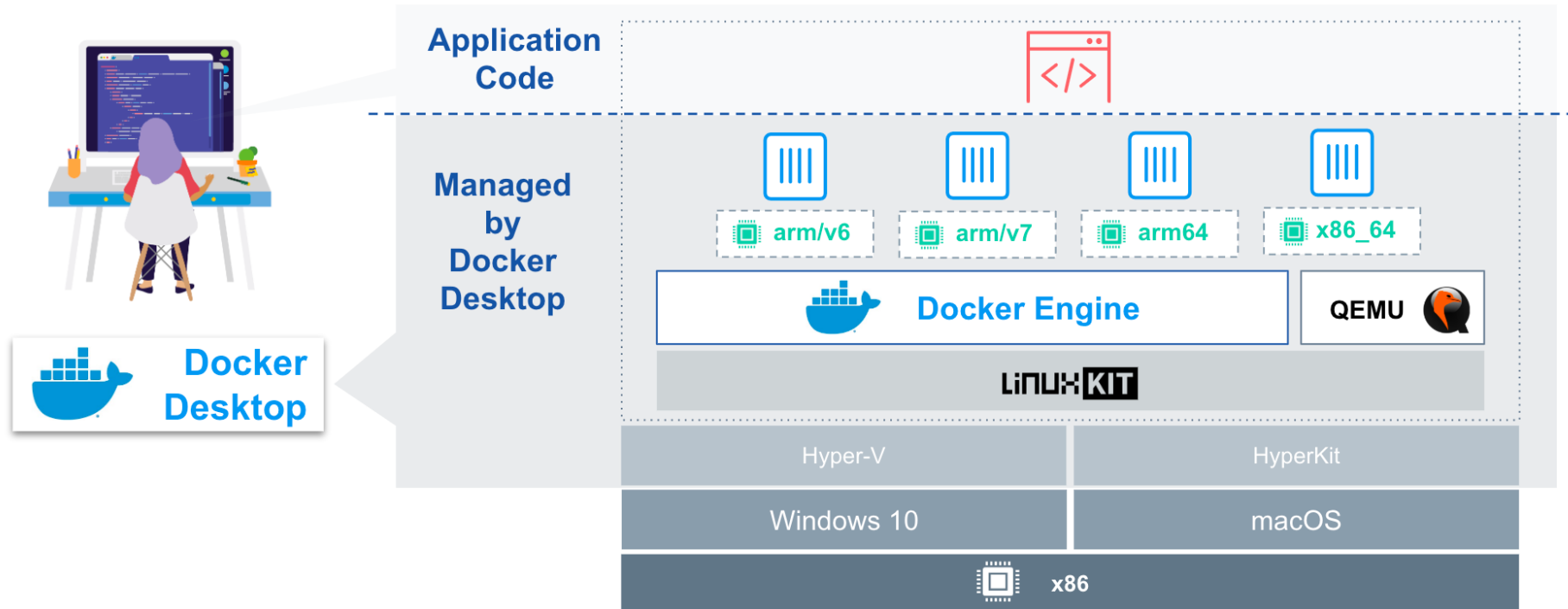


Docker Desktop Features

- Multipiattaforma, presto anche su Linux
- Sviluppo, testing, frontend infrastrutturale, Infrastruttura per usare DockerApp
- Securable Supply Chain
- Integrato con qualsiasi prodotto DevOps
- Integrato nei principali Cloud Pubblici
- Infrastruttura per lo sviluppo integrata con VSCode
- SoftwareBOM, Notary, Synk



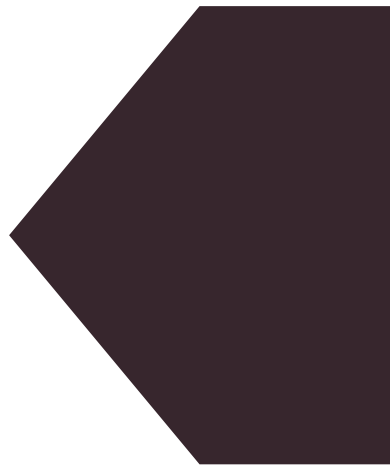
Docker Desktop Architettura



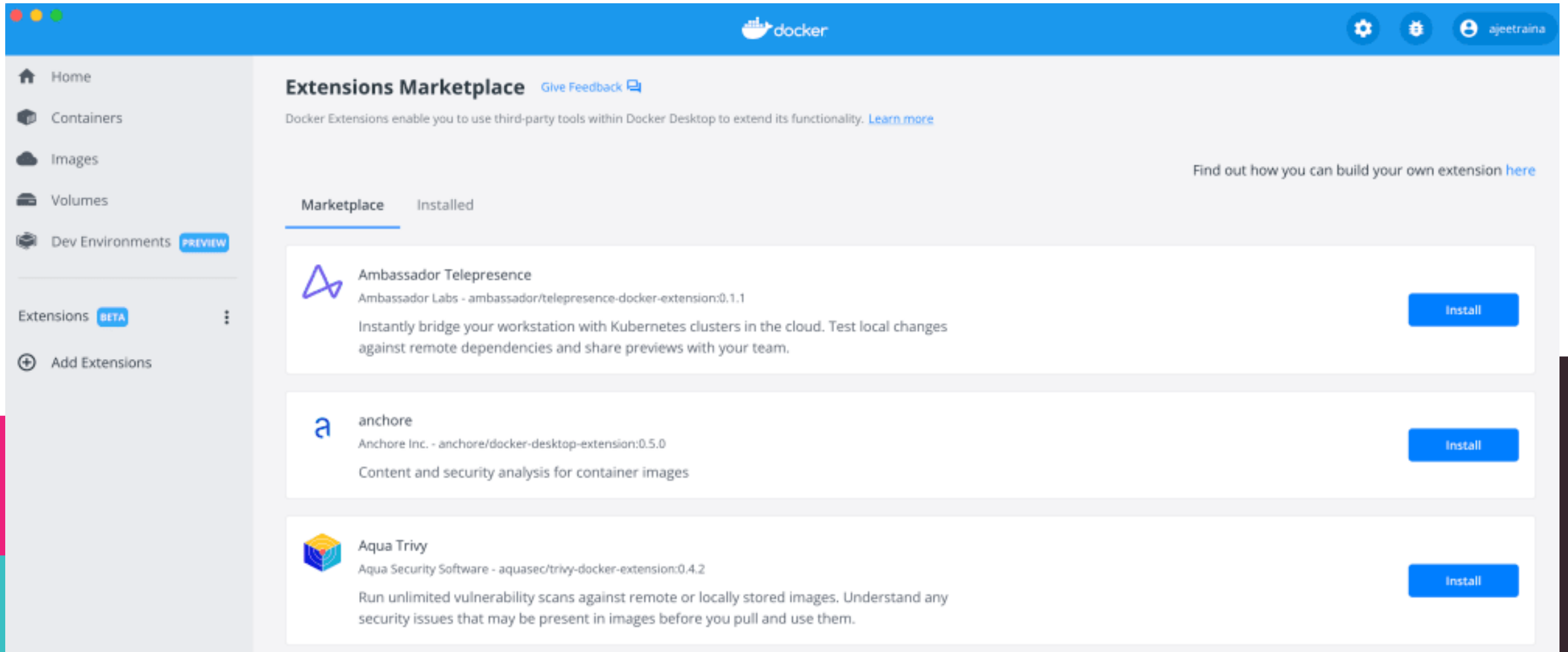
```
~ >>> docker buildx ls
NAME/NODE DRIVER/ENDPOINT STATUS PLATFORMS
default * docker
default default running linux/amd64, linux/arm64, linux/arm/v7, linux/
```

Docker Desktop Scenari

- Sviluppo software
- Infrastrutture complesse per ambienti develop
- Personal CI/CD
- Distribuzione di artefatti
- Environment isolati e ripetibili
- Console per ambienti di containerizzazione



Docker Desktop Extensions Marketplace



Docker Desktop Costi e Licensing

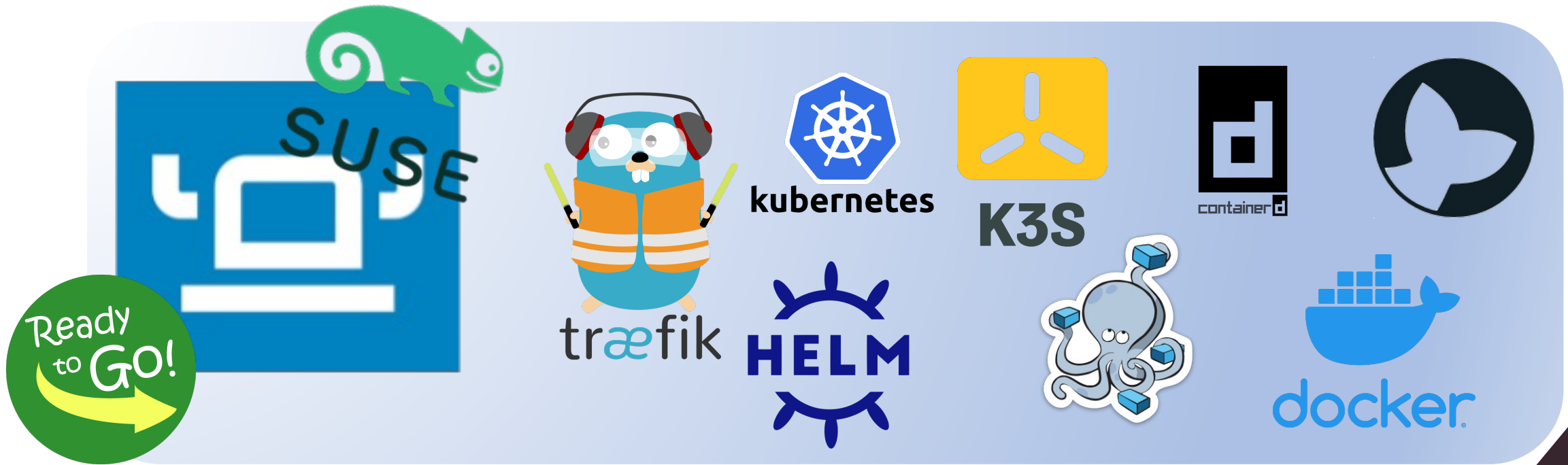
Our [Docker Subscription Service Agreement](#) includes a change to the terms for Docker Desktop

- It **remains free** for small businesses (fewer than 250 employees AND less than \$10 million in annual revenue), personal use, education, and non-commercial open source projects.
- It requires a paid subscription ([Pro, Team or Business](#)), for as little as \$5 per user per month, for professional use in larger businesses.
- The effective date of these terms is August 31, 2021. **There is a grace period until January 31, 2022** for those that will require a paid subscription to use Docker Desktop.
- The Docker Pro, Docker Team, and Docker Business subscriptions **now include** commercial use of Docker Desktop.
- Check out our [FAQ](#) for more information. Or read our [latest blog](#).

Docker Desktop Costi e Benefici

Personal	Pro	Team	Business
<p>Ideal for individual developers, education, open source communities, and small businesses.</p>	<p>Includes pro tools for individual developers who want to accelerate their productivity.</p>	<p>Ideal for teams and includes capabilities for collaboration, productivity and security.</p>	<p>Ideal for medium and large businesses who need centralized management and advanced security capabilities.</p>
\$0	\$5 /month	\$7 /user/month Start with minimum 5 users for \$25.	\$21 /user/month
<ul style="list-style-type: none">• Docker Desktop ⓘ• Unlimited public repositories• Docker Engine + Kubernetes ⓘ• 200 image pulls per 6 hours• Unlimited scoped tokens ⓘ	<p>← Everything in Personal plus:</p> <ul style="list-style-type: none">• Docker Desktop ⓘ• Unlimited private repositories• 5,000 image pulls per day• 5 concurrent builds ⓘ• 300 Hub vulnerability scans	<p>← Everything in Pro, plus:</p> <ul style="list-style-type: none">• Docker Desktop ⓘ• Unlimited teams• 15 concurrent builds ⓘ• Unlimited Hub vulnerability scans• Add users in bulk• Audit logs ⓘ	<p>← Everything in Team, plus:</p> <ul style="list-style-type: none">• Hardened Docker Desktop• Enhanced Container Isolation• Settings management• Centralized management• Registry Access Management• Image Access Management• Single Sign-On (SSO)• SCIM user provisioning• VDI support• Purchase via invoice• Volume Pricing Available

Rancher Desktop

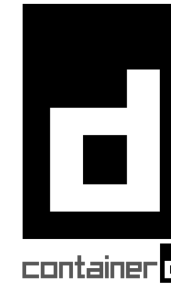
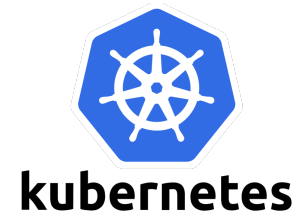


Rancher Desktop

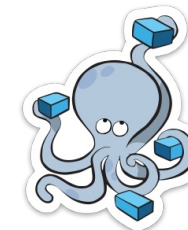


After Rancher Desktop is installed,

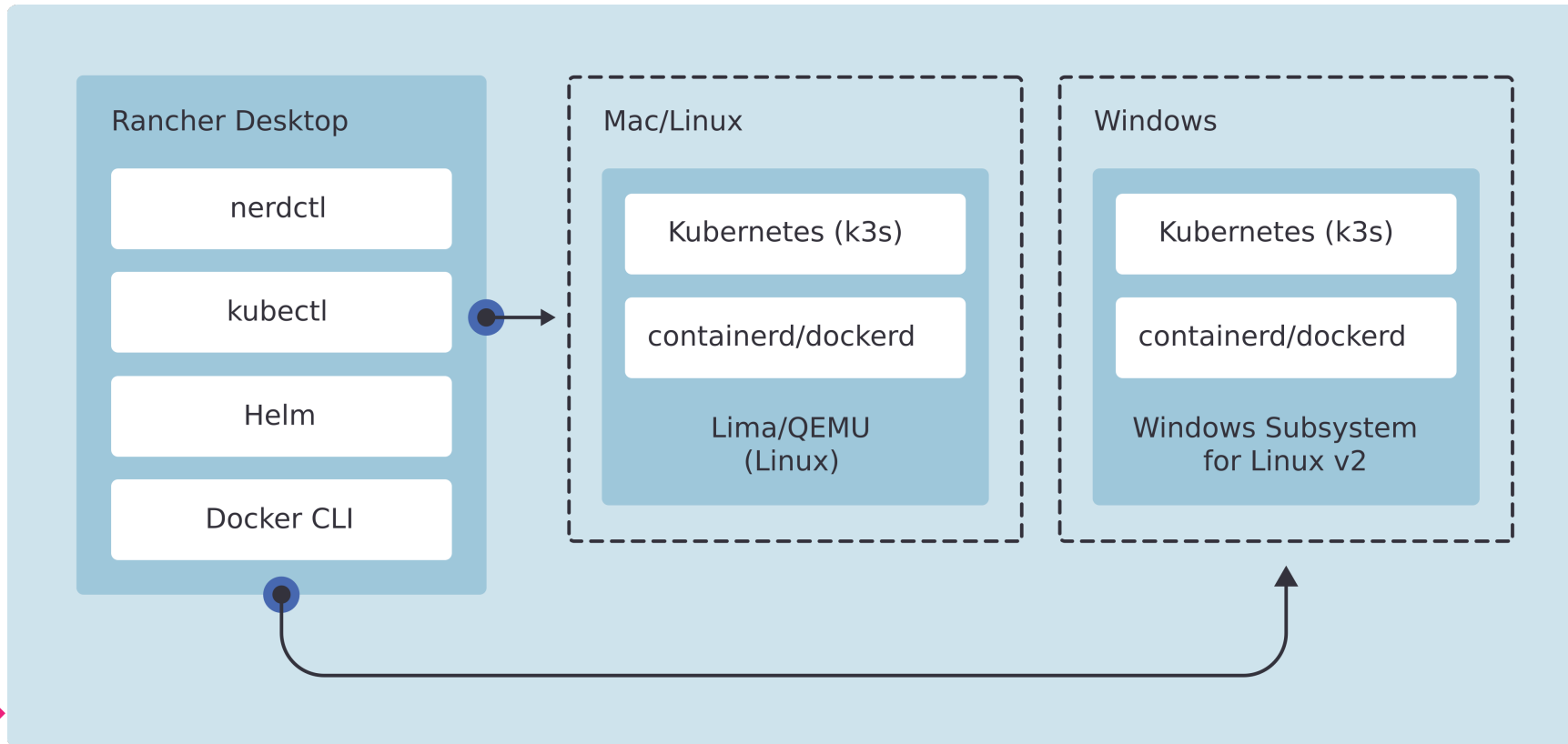
- Helm
- kubectl
- nerdctl
- Moby
- Docker Compose



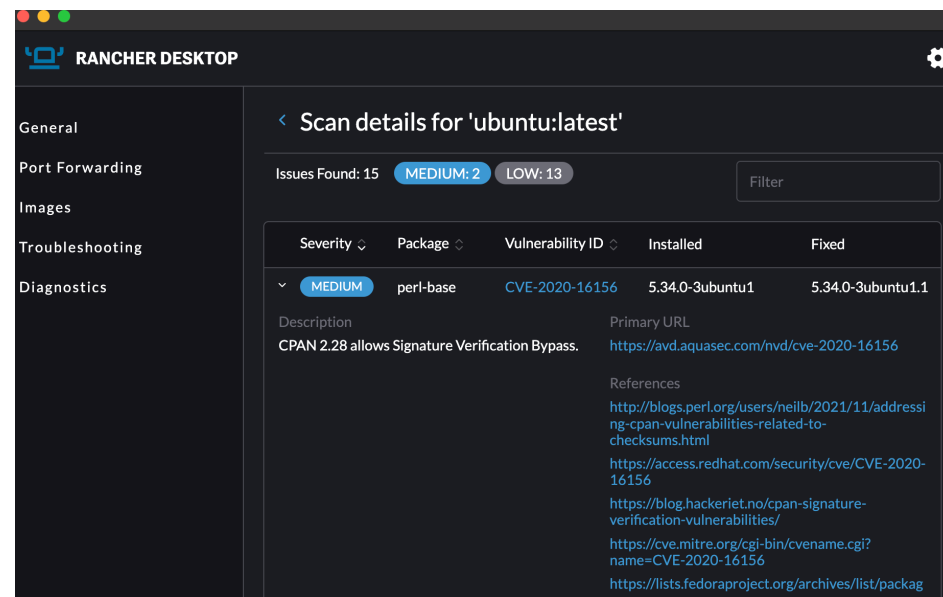
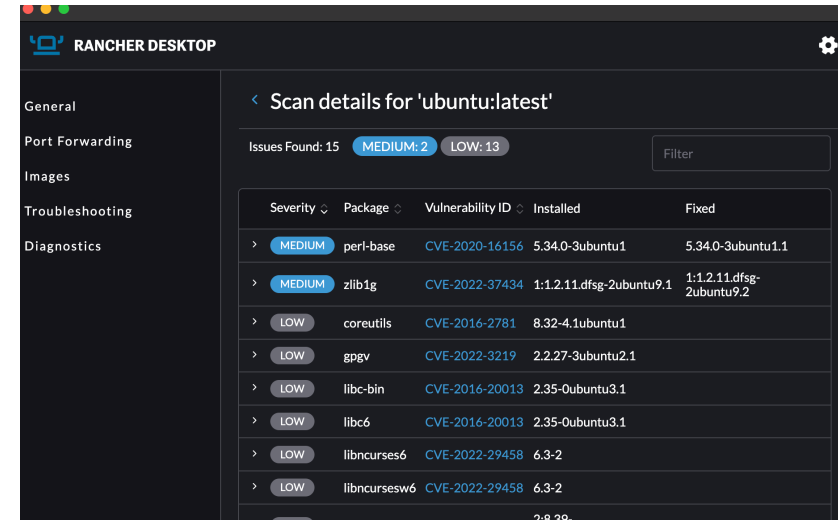
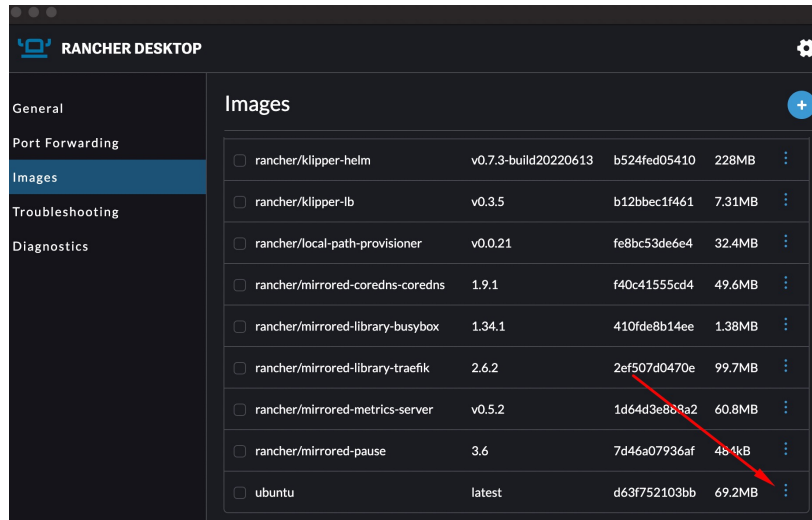
K3S



Architettura Rancher Desktop



Scanner image vulnerabilities



Docker Desktop vs Rancher Desktop

	Docker Desktop	Rancher Desktop
Build, push, and pull container images	✓	✓
Run stand-alone containers	✓	✓
Works with external tools like Visual Studio Code	✓	✓
Choose the version of Kubernetes you want	✗	✓
Test how workloads handle Kubernetes upgrade	✗	✓
Choose between containerd and dockerd	✗	✓



Docker Desktop vs Rancher Desktop

- Infrastruttura per lo sviluppo
- Strumenti dockerizzati e Docker APP
- Sviluppo di microservizi
- Valutazione di aggiornamenti
- Test automatici
- ...

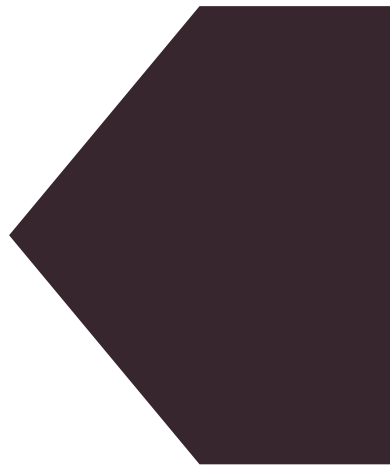
Proposte?

Takeaway

- la necessità per il team di sviluppo d'investire in un ambiente comodo in cui prenda confidenza con il paradigma architetturale della containerizzazione e orientato ai microservices.
- Rancheros valida alternativa in licenza Apache 2.0 su cui investire per la flessibilità offerta e le potenzialità future.
- Docker soluzione comoda per le risorse fornite a fronte del pagamento delle fee richieste, per la stabilità data dalla maturità del prodotto, per il gran numero di prodotti in cui è integrato.

Bibliografia

- [Rancher](#)
- [Rancher Desktop](#)
- [Docker](#)
- [Getting started with Rancher Desktop, containerd and K3S clusters](#)
- [\[Webinar\]: Rancher Desktop, A Replacement for Docker Desktop](#)





Grazie!!!

