

# Seminarios OfLibre Docker y Kubernetes


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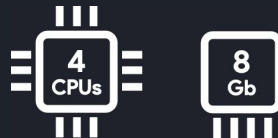
Pablo Chico de Guzmán

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# About Me

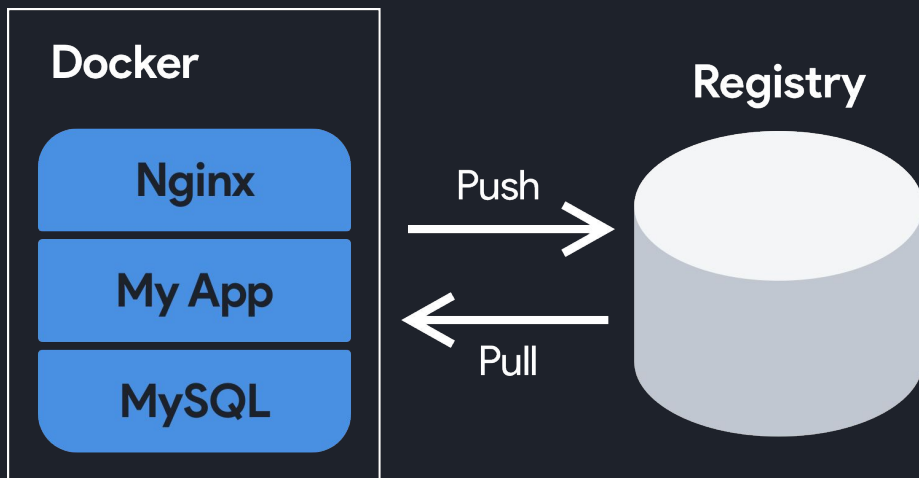
## Pablo Chico de Guzmán

-  @pchico83
- Docker & Cloud Native Madrid
- 4 years working @Docker
- <https://cloud.okteto.com>
- Kubernetes for Developers



# What are Containers?

- Build, Ship and Run. Any app, anywhere.
- Isolated, lightweight and portable.





# Containers in Production

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# What is Kubernetes?

- Open source container orchestrator
- Borg (Google)
- Production workloads
- Declarative



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# Container Orchestrator

- Containers in Production
- Service discovery
- Load Balancer
- Network
- Auto scalability
- Logging and Monitoring
- Fault tolerance



# Standard Run API

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## CNCF (<https://landscape.cncf.io/>)

- Helm
- Envoy
- Linkerd
- Jaeger
- Prometheus
- Harbor
- Velero



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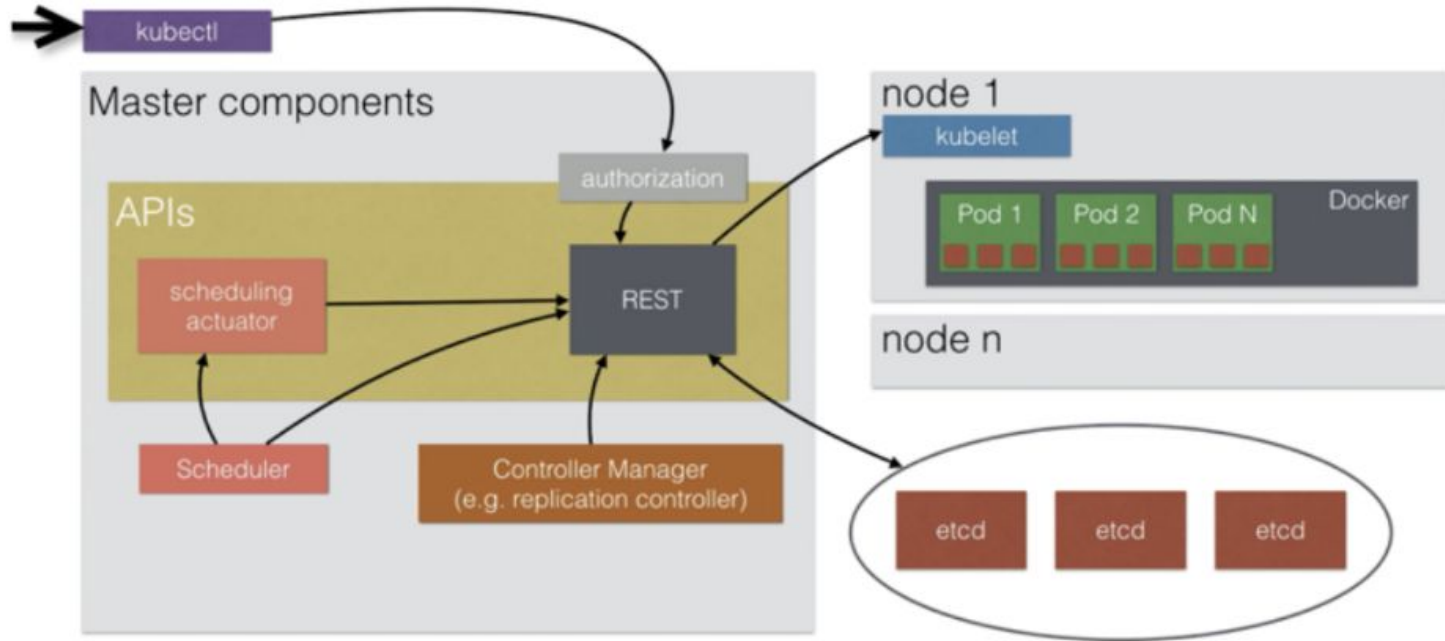
## Cloud Providers

- AWS (EKS), Azure (AKS), Google (GKE)
- Redhat (Openshift), VMware (Tanzu)
- Docker Desktop, minikube, k3s, k0s
- Okteto Cloud, Tryk8s, Civo, Digital Ocean

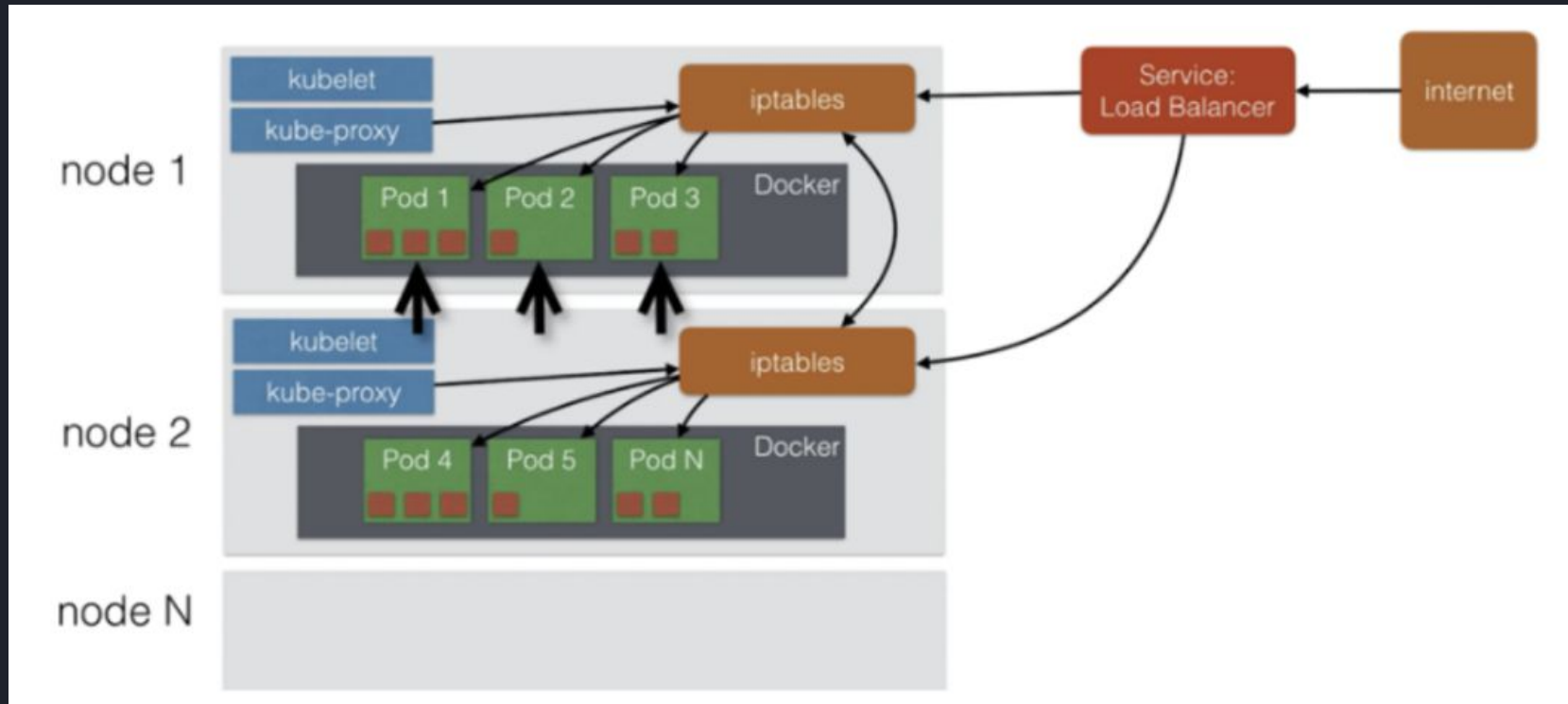


# Arquitecture

# Master Nodes



# Worker Nodes

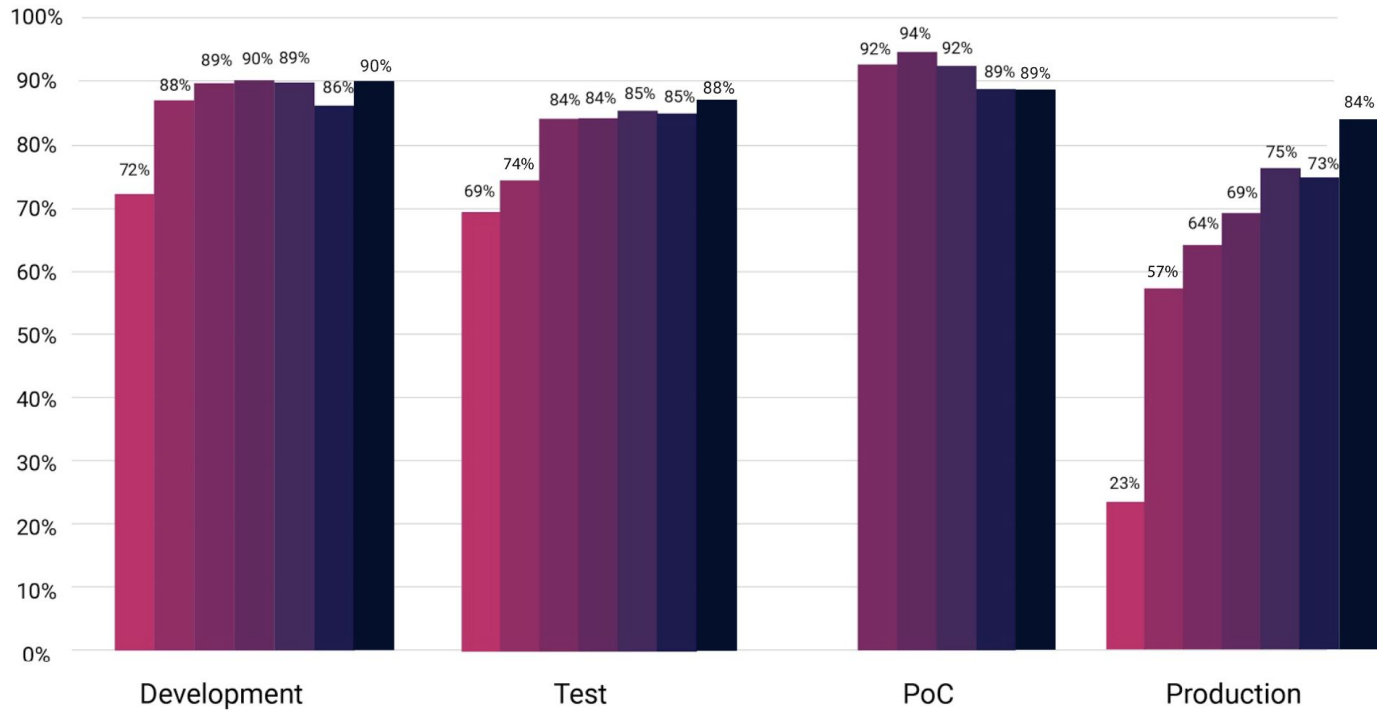




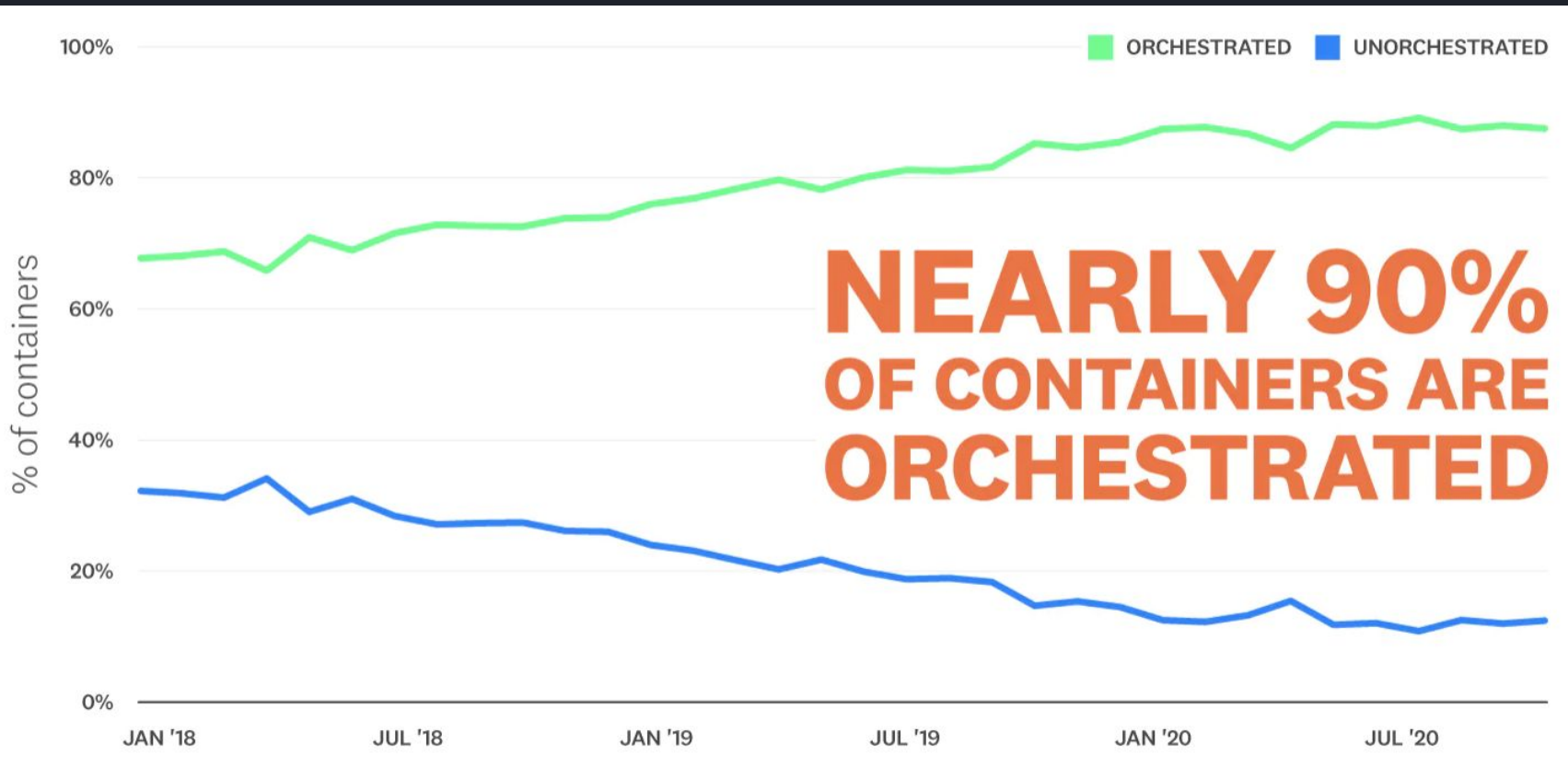
# Adoption

# Adoption

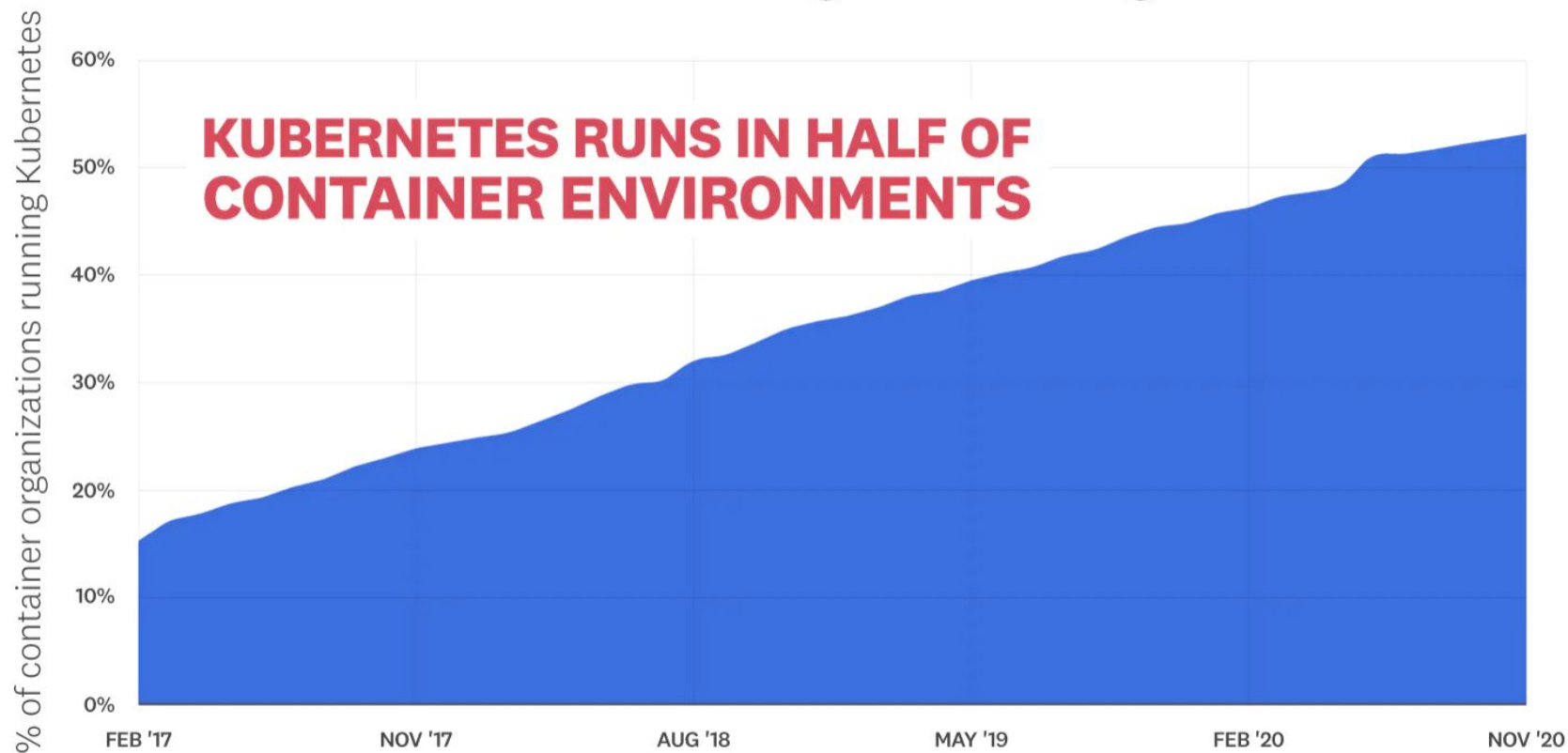
## Use of Containers since 2016



# Adoption



# Adoption





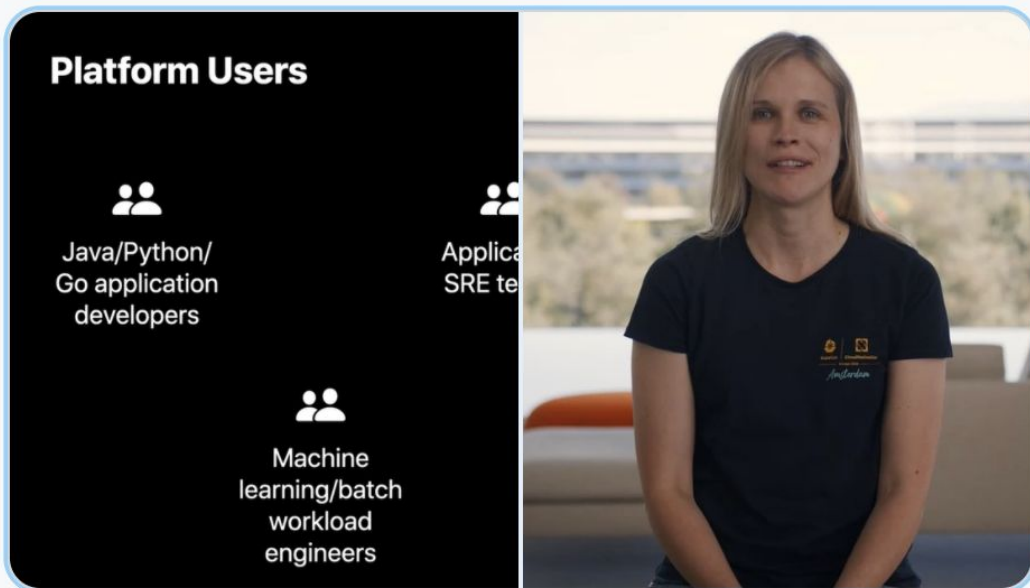
# Adoption



**Joab Jackson** @Joab\_Jackson · 19h



Apple plans to use [#Kubernetes](#) to run the majority of its compute management jobs, offering in-house developers/engineers with a namespace- or cluster-as-a-service -- [@Lemonjet](#) [#kubconNA](#)





# Conclusions

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# Conclusions

- Why?  
Containers will make you more productive  
The industry is moving to Kubernetes
- How?  
Openwebinars, Udemy...  
Twitter, podcast, blog posts, meetups...
- Where?  
Install docker/kubernetes locally  
Okteto Cloud, Tryk8s, Civo Cloud, DigitalOcean free tiers

**Thanks!**

