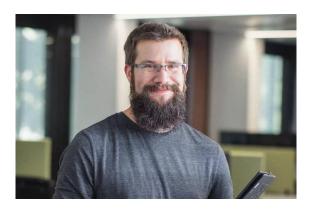
## die **Mobiliar**



Rancher in der Mobiliar Erfahrungsbericht

**Daniel Strohecker** 

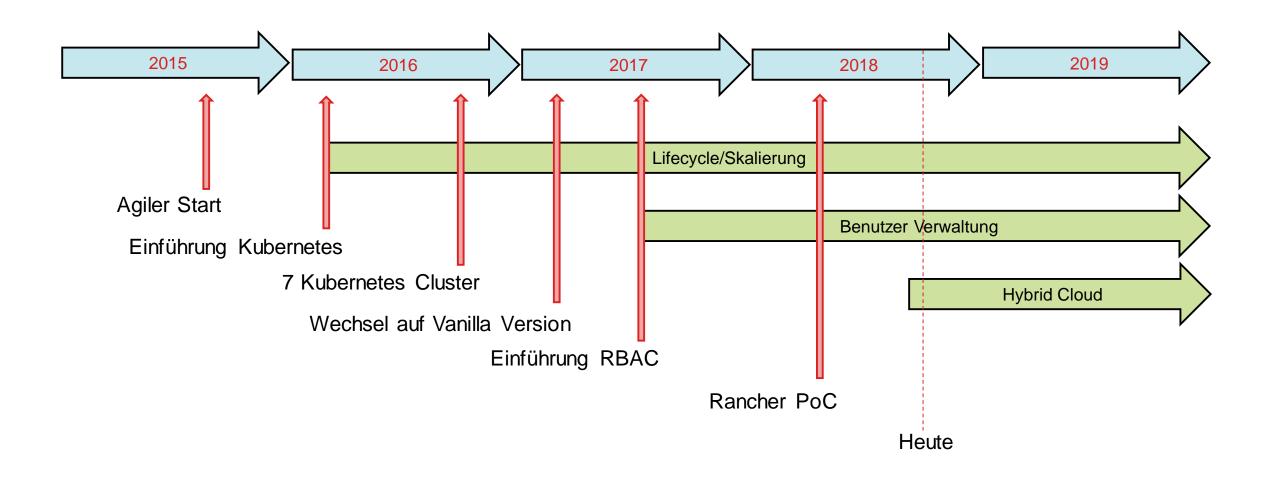
### Über mich



- Daniel Strohecker
- Seit 5 Jahren in der Mobiliar
- Bereiche:
  - Linux, Automatisierung, UI, Docker, Kubernetes, Cloud



#### Aktueller Stand - Kubernetes



## Aktueller Stand – Hybrid Cloud

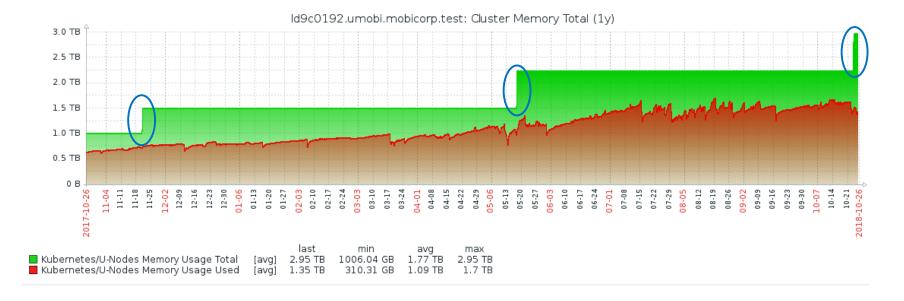


- +
  - Party
  - Lecker
  - Hübsch
  - Stillt verlangen

- -
  - Giftig Grün
  - Ungesund
  - Kalorien
  - Zucker
  - Wunsch nach mehr

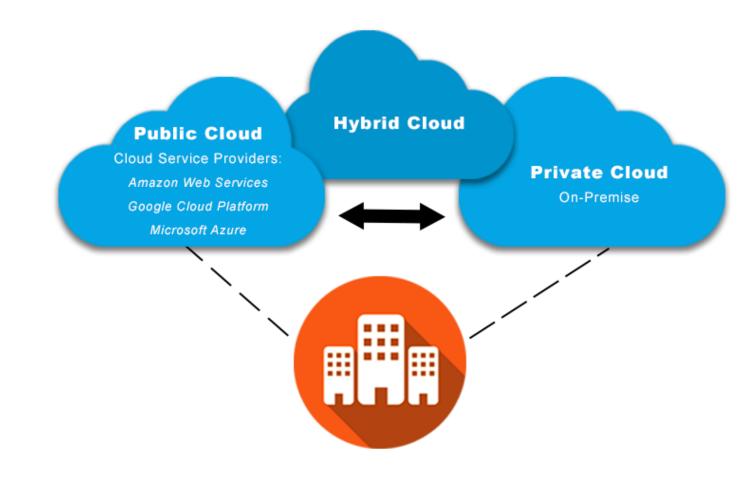
#### Skalierung

- Dev:
  - 24 Nodes
  - 480 CPUs
  - 3072 GB RAM



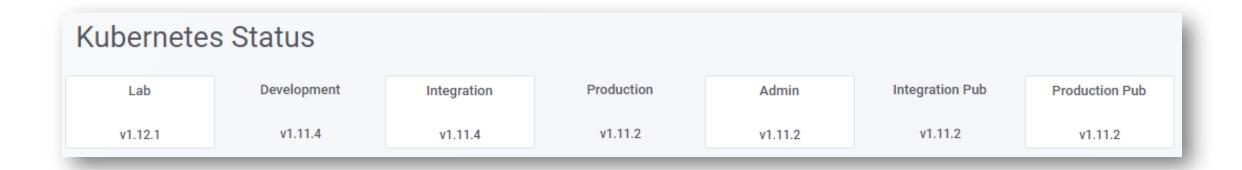
1 Jahr

- Hybrid Cloud
  - Zusätzliche ...
    - Portale
    - Zugänge
    - Netzwerke

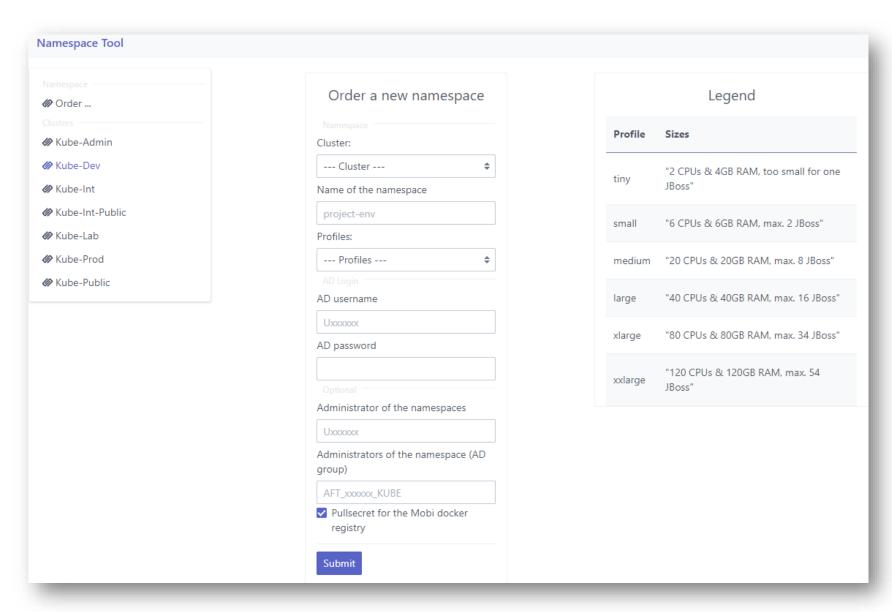


https://avinetworks.com/glossary/hybrid-cloud/

- Lifecycle
  - Eigene RPM Builds mit Vanilla Kubernetes
  - Cluster Update per Skript pro Cluster



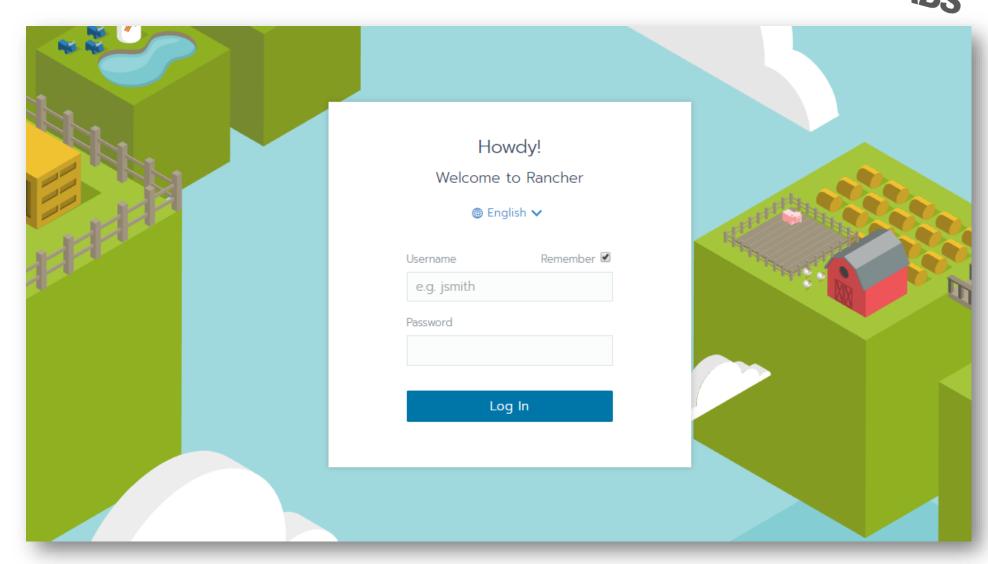
- Benutzerverwaltung auf ebene NamespacesLDAP Integration
- OICD Anbindung
- Quota Kontrolle





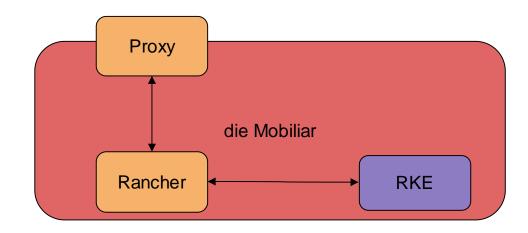


**DEMO TIME** 



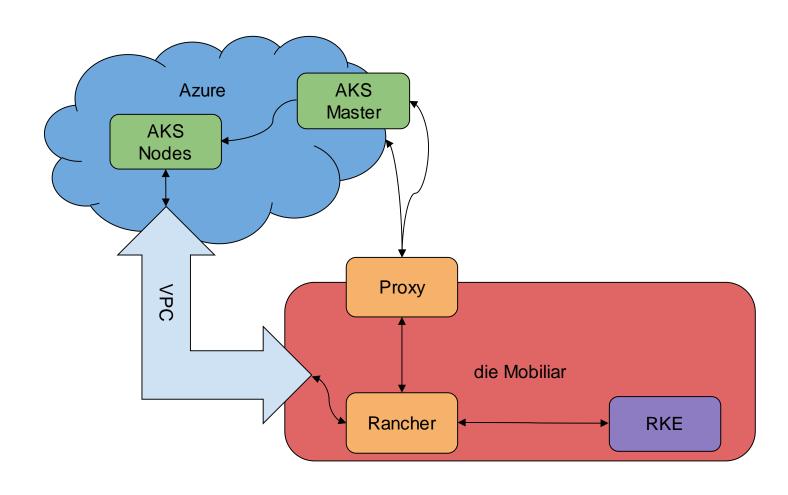
#### Wie geht Rancher? – Mobiliar Integration

- RKE Rancher Kubernetes Engine
- Rancher HA
  - Setup mit Helm und RKE in eigenem Kubernetes Cluster
- AirGap
  - Offline Installation Scripts
  - Insecure Docker Registry



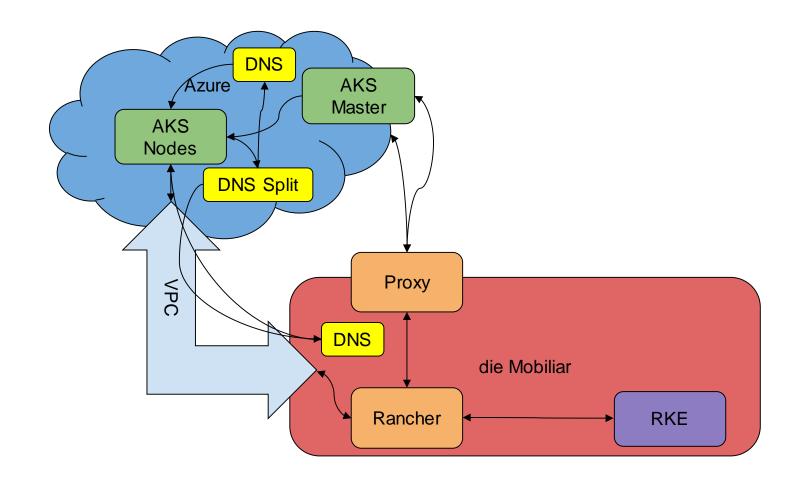
### Wie geht Rancher? – Cloud Architektur

- AKS Azure Kubernetes Service
  - Master => Public IP
  - Nodes Vnet



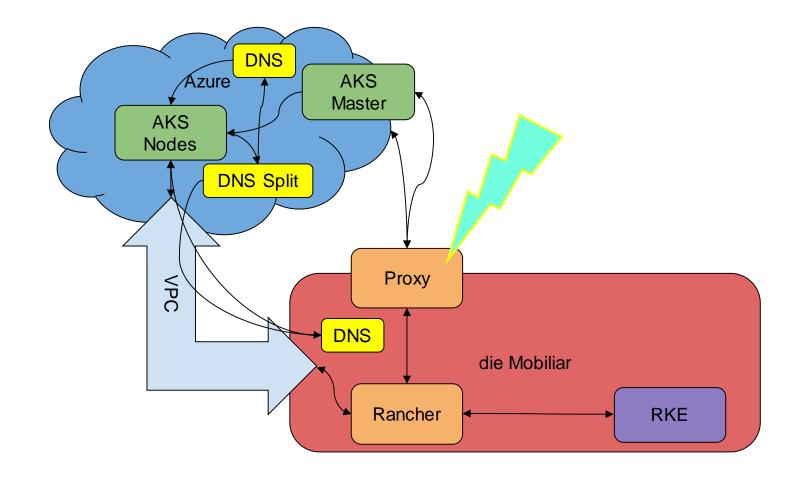
### Was geht nicht in Rancher? – DNS Zones

- DNS Zones
  - AKS Master Public DNS
  - Mobi Private DNS



### Was geht nicht in Rancher? – HTTP Proxy /Virtual Private Cloud

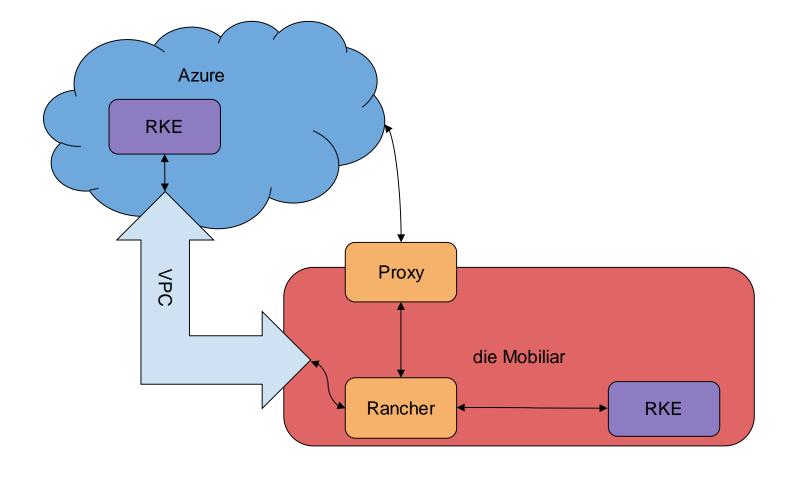
- AKS
  - Self Signed Zertifikat
- Proxy
  - White Lists
  - SSL Interception



### Was geht denn jetzt in Rancher?

- RKE
  - Basiert auf laaS

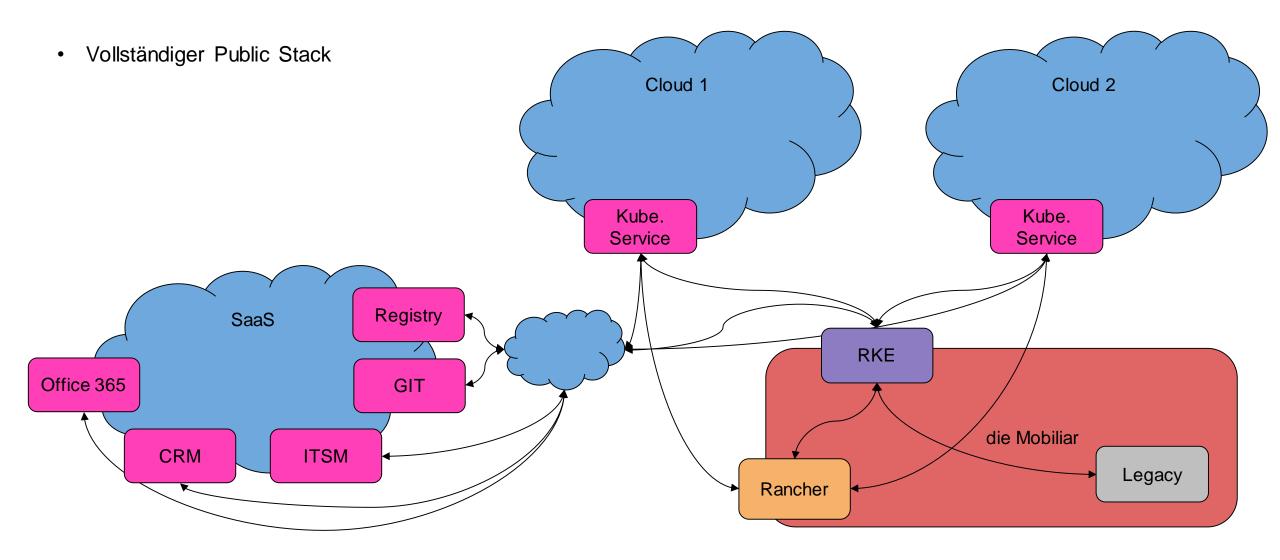




## Ausblick



#### **Public Cloud**



# Fragen?

