

Sit.
Stay.
Deploy!


itq
What's Next.



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- ∞ Founded in 2001 in NL
- ∞ European Multi-Cloud Company (8 countries)
- ∞ 230 skilled professionals
- ∞ End-to-end services and solutions
- ∞ AI-Focus since 2017
- ∞ We bring AI to your data (not the other way around)



Rijkswaterstaat



Private Cloud
for AI

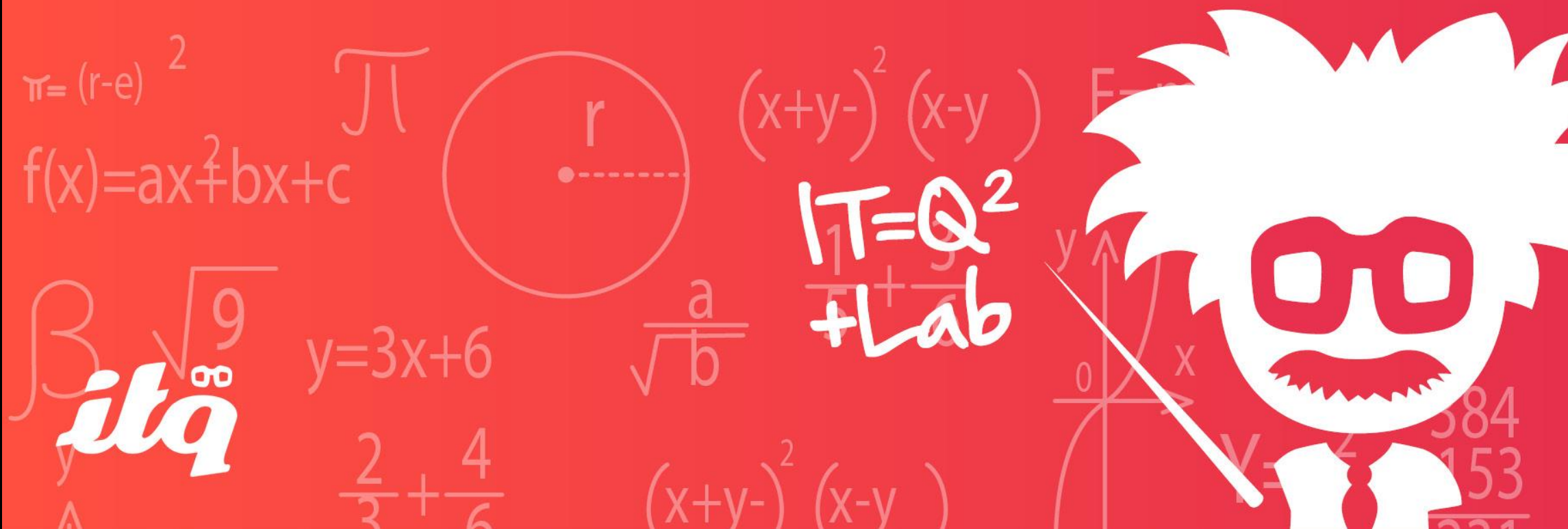


Hosted Private
AI



AI Appliance

POWER IS GAINED BY SHARING KNOWLEDGE,
NOT HOARDING IT!

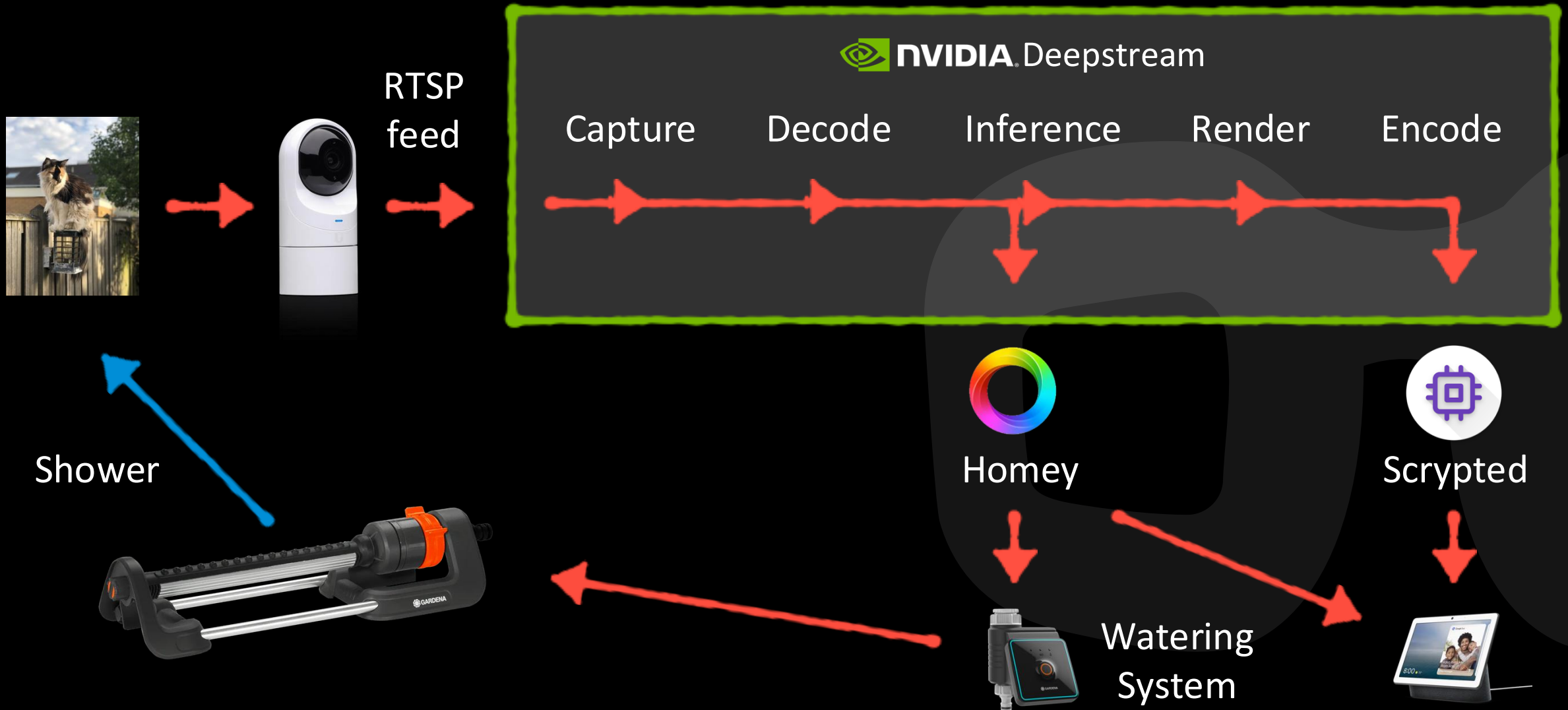


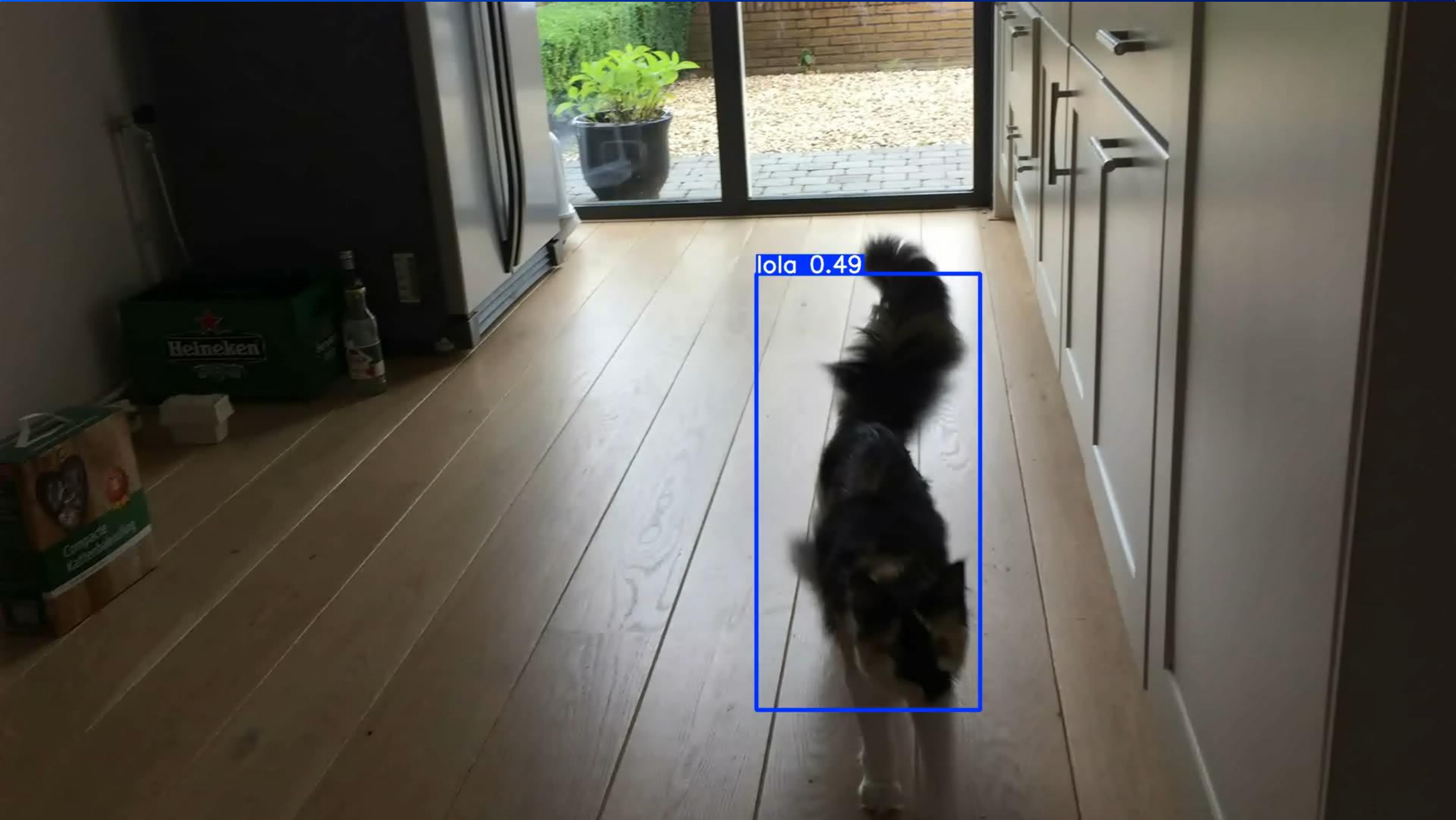


Lola

- > Neighbors' cat
- > Frikkin' huge Maincoon
- > Turds >= mine
- > Shits in my garden

Project Lola





lola 0.49

“Why didn’t you just get a dog?”

~clever engineer during meet-up



Unitree Go2

The New Generation of Embodied AI Creatures, Blending Advanced Robotics with Artificial Intelligence for Unprecedented Functionality.



Who has ever tried to unbox a puppy?



- ⌘ Shits everywhere
- ⌘ Eats news papers
- ⌘ Listens to nothing
- ⌘ Doesn't fetch

Unitree G2 Pro

- ∞ Sort-of AI-powered Robot dog
- ∞ Crappy SDK
- ∞ Doesn't fetch either
- ∞ Tons of sensors, camera & LiDAR
- ∞ Endless possibilities
- ∞ We needed to train the dog





x



- ∞ Enhance Q9 with real AI and a proper API
- ∞ Train the dog to recognize gestures
- ∞ Let Q9 do tricks when a gesture is recognized

Project Q9



WebRTC
Video Feed



Video Transcoder



WebRTC to
RTSP

Real-time
Gesture
Recognition

Inference Engine



API Call

WebRTC
Instructions



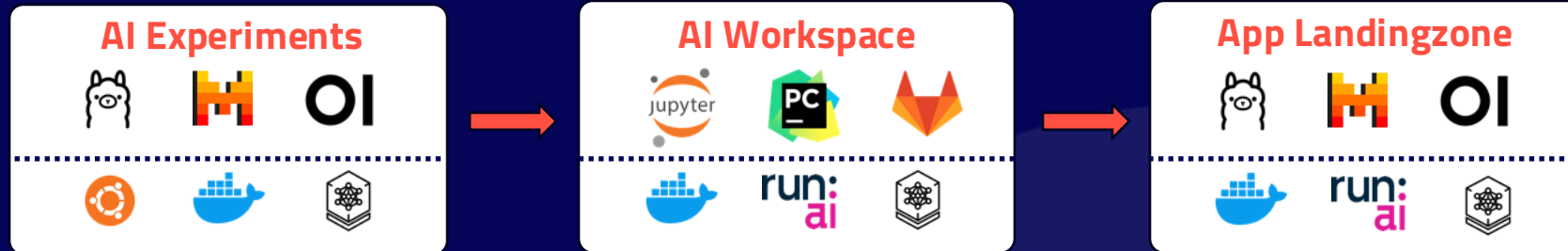
Q9 API





ITQ Private AI Platforms

Workload
Types



Delivery
Types



K8s
Endpoint



Virtual
Machines



Shared K8s
Clusters



Dedicated K8s
Clusters



Red Hat
Enterprise Linux



Red Hat
OpenShift



OPENSIFT
VIRTUALIZATION



Red Hat
OpenShift AI

GPU
Acceleration



Dedicated &
Shared GPUs



Dedicated &
Shared GPUs



Shared GPUs
(RUN:AI)



Shared GPUs
(RUN:AI)

Platform
Management



Cloud Infra
Platform



Private
Cloud
Options

AI Appliance



Hosted Private AI



Private Cloud for AI



dynatrace

Platform
Compliance

Project Q9



Hand
Gestures

Dataset

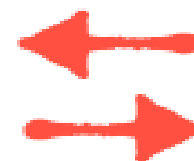
Labeling

Train
Model

Validate
Model

Inference
Server

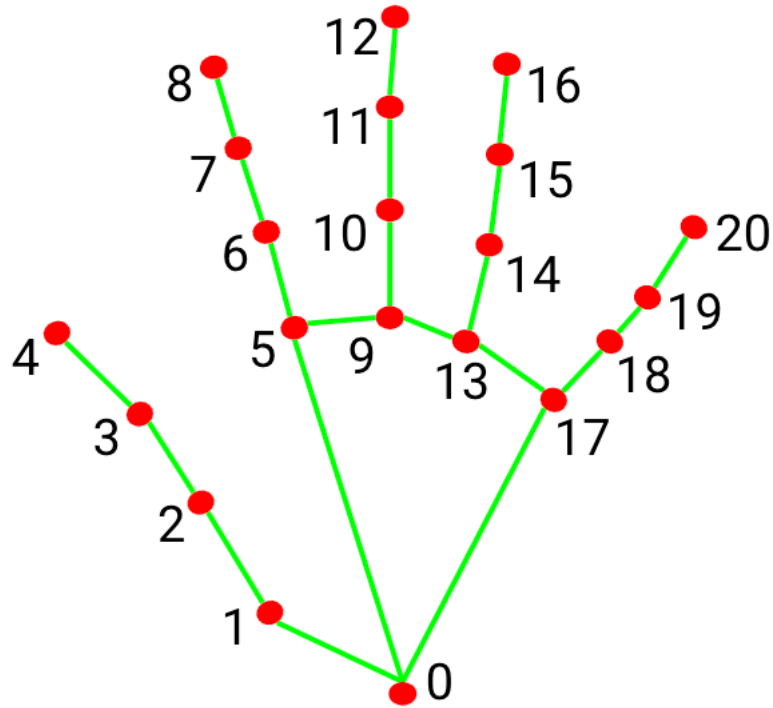
Openshift AI Workbench



ITQ AI
Appliance

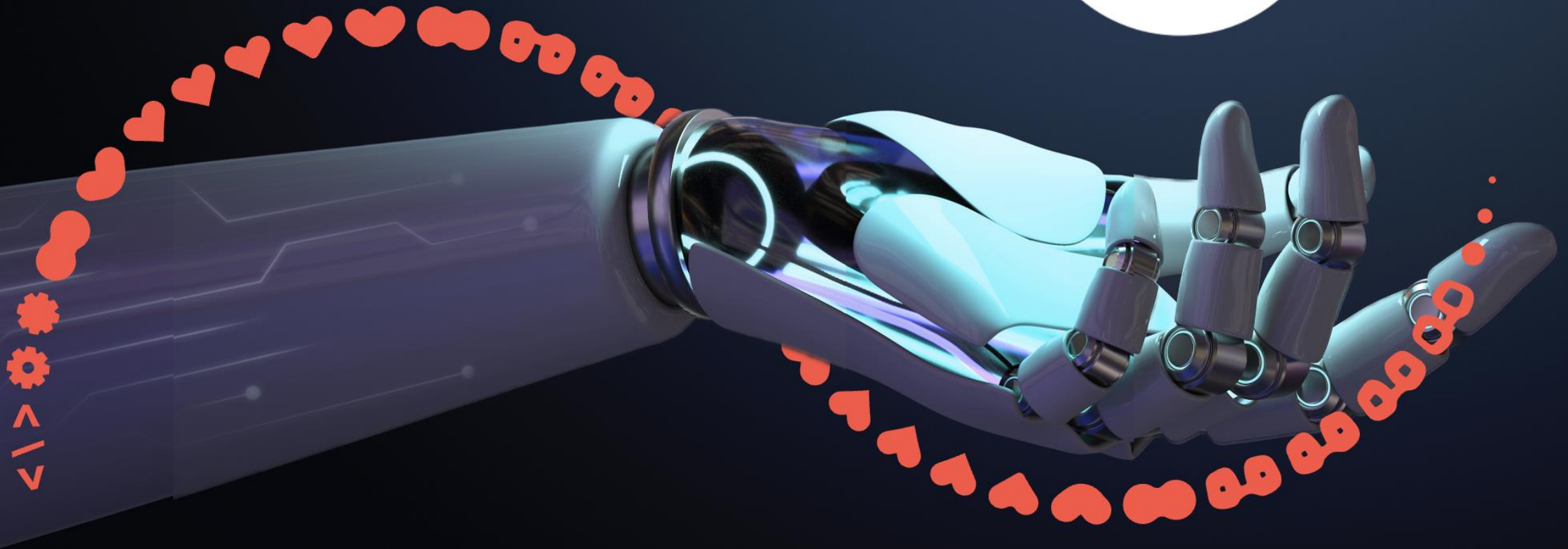


Solution: Landmarks



Challenges

- At least 150 pictures per gesture needed
- Model training required when more gestures are required
- Not scalable with complex tasks like sign language



Empowering your AI journey

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Questions?



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DEMO TIME!

