Scaleway

HPC & IA : new computing architecture

Event Partner



Speaker

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Confidential - For Charlotte Letamendia use only - Do not forward / Broadcast

Scaleway — a European hyperscaler in Public Cloud & AI



Thousands of GPUs

Full service growing European CSP

+100 IaaS, PaaS, Public Cloud & AI Products

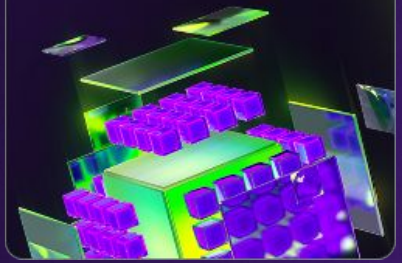
Fast growing with clear focus on open-source



100,000s Servers in multiple **Sovereign** & **Sustainable** Data Centers



Super-Computers to power future AI & HPC



Cloud at heart

Europe's leading AI computing power

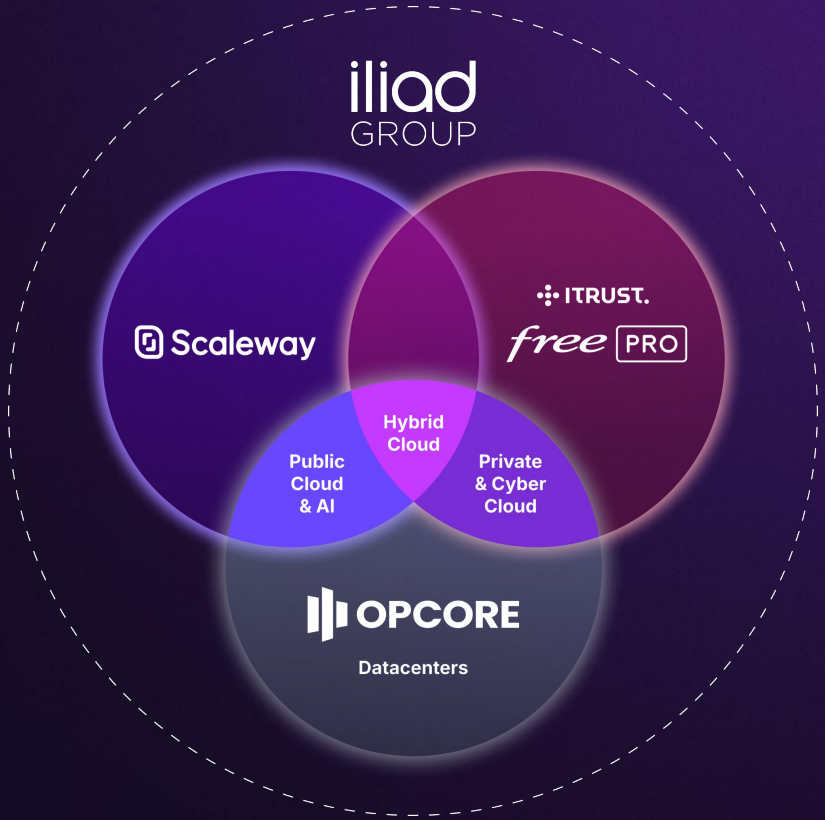
- Thousands of GPUs

Sovereign and independent technologies

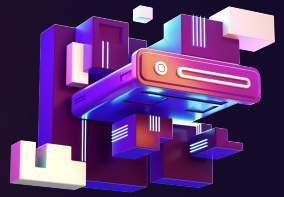
- Immune to non-European regulations
- Engaged in SecNum Cloud & HDS

Responsibility and Sustainable

- Server life cycle
- Environmental impact calculator
- Energy efficient data centres



Multiple needs, one ecosystem



Bare Metal

- GPU servers
- CPU servers



Public Cloud

- SaaS (AI Inference)
- PaaS (DBs, Kubernetes, serverless...)
- IaaS (Instances CPU, GPU, Storage, Network, Security...)



AI

- GPU Cluster
- CPU cluster

Use Cases & market evolution

01
Inference

- The fast-growing market. Customers are large : SaaS, Cloud, traditional IT)
- They need on-demand consumption, Elasticity, flexibility, and cost sharing
- From small models to very large multi-GPU models

02
Fine-Tuning

- Weight adjustment for domain specialization
- Structured preparation of contextualization data
- Leveraging auxiliary models for processing

03
Model Training

- Recursive improvement (models guiding training)
- Massive parallel computing on GPU clusters
- Scaling from 10 to 10,000 GPUs

04
HPC

- Hybrid CPU & GPU cluster infrastructures
- Processing acceleration (e.g., from 2 days to 2 hours)
- Augmented simulation and signal detection
- Convergence toward shared infrastructures



What does this mean for infrastructure?

01

Impact on Infrastructure

- Usage requiring multiple multi-platform architecture building blocks
- The Neocloud does not cover the entire Public Cloud
- Evolution of GPU instances toward real cluster needs

02

What About Storage?

- Continuous growth of dataset sizes
- High performance requirements at execution for optimization
- Implementation of tiering to rationalize costs

END

Our unique value proposition: Europe's best hyperscaler alternative

BIG

Covering every need

- **Deep AI capability** and Leader in GPU capacity
- **+100 Public Cloud Products** covering IaaS, PaaS and AI
- **Full Private Cloud** offering with local iliad Group implementations

Open

The European way

- **Predictable & Transparent** pricing
- **No vendor lock-in** and independent Tech
- **Proximity-based partnerships** and customer experience

Efficient

Sovereign & Sustainable

- Immune to **extraterritorial legislation**
- **Responsible & Sustainable** by design
- **Certified** at the highest level