Making of: the cloud made in OVH

OVH.COM

1- OVH.com, a worldwide leader

2- OVH.com, a natural progression

3- OVH.com, from real to virtual

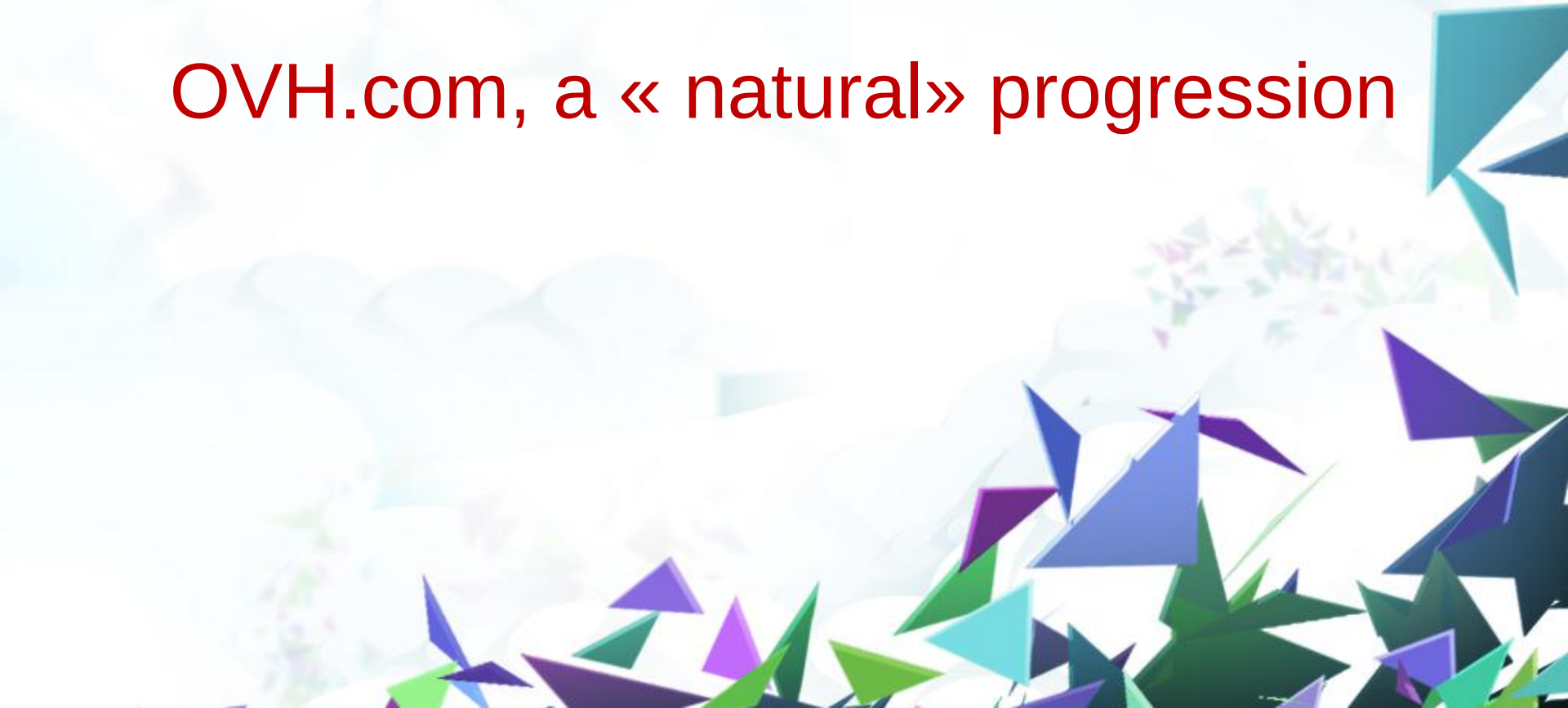
4- OVH.com, new solutions

5- Conclusion and key numbers

OVH.com, a worldwide leader

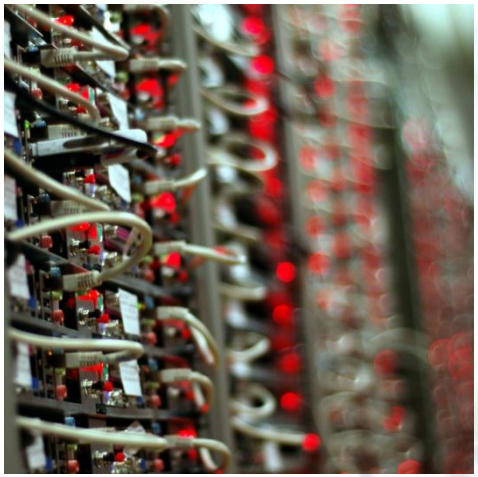
- 1st Internet hosting company in Europe
- 13 years of expertise
- 9 datacentres
- 16 subsidiaries in the world
- 18 000 000 active websites

OVH.com, a « natural» progression

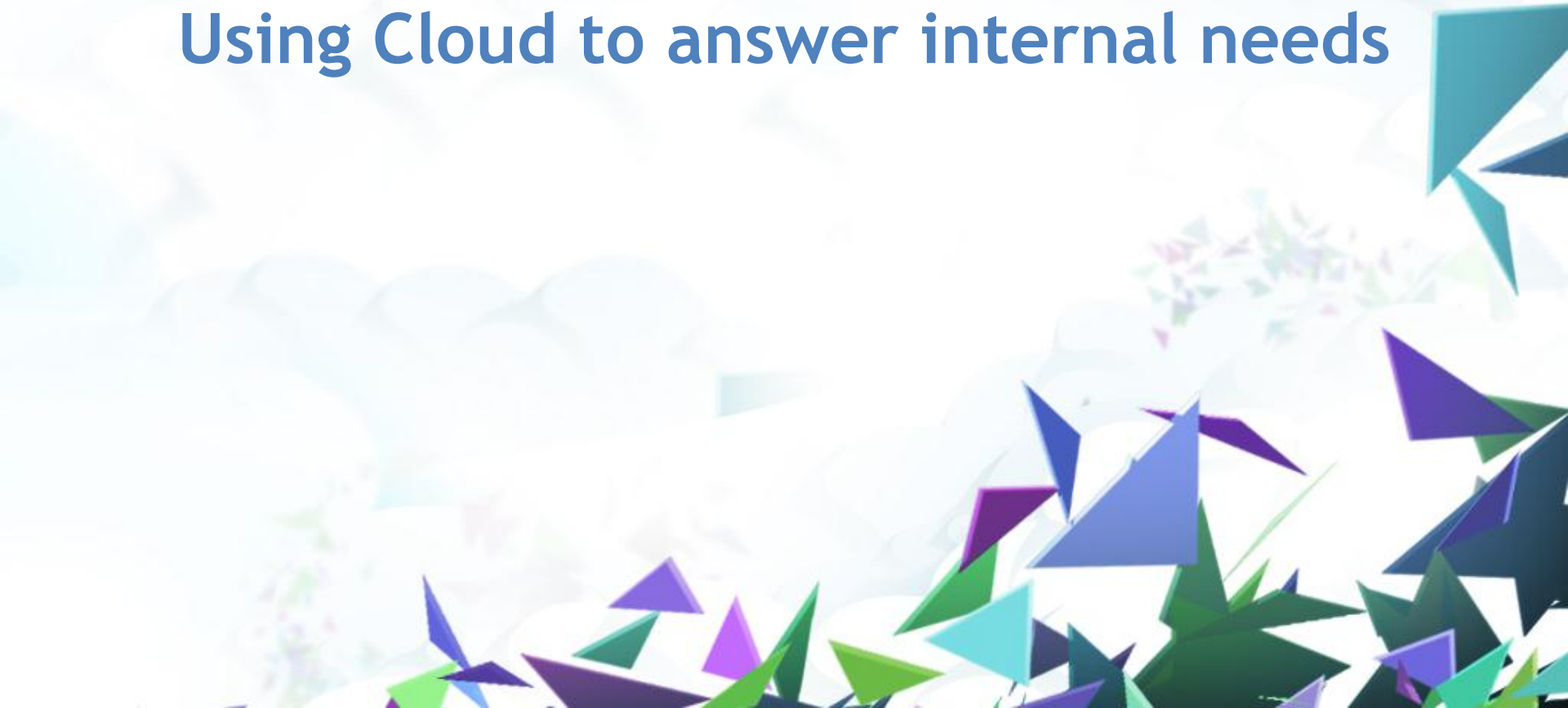


Mastering the real

OVH .COM



Using Cloud to answer internal needs



Major Development, trend, client/market needs

The Cloud Computing market is growing: 27% of French companies have used cloud services in 2010. This will rise to 38% in 2011 and 49% in 2012.
Source : Markess

OVH.com, from real to virtual

Research & development

A team

Financial investment:
10 million Euros in equity

Amenities & technologies

Based on the OVH infrastructures :
Worldwide network
Secured connexions
2 Tbps of bandwidth
All paths redundant

OVH.com, new solutions

3 types of solutions

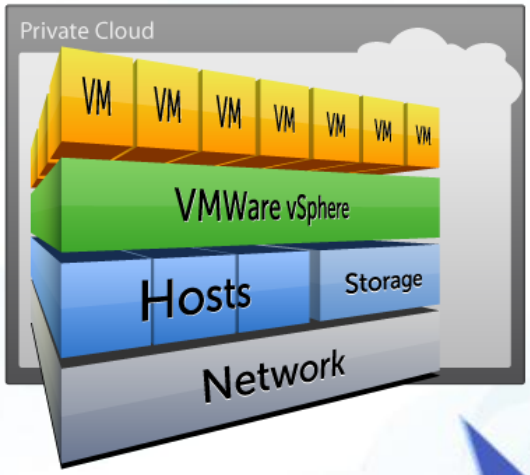
IaaS : «Infrastructure as a Service»

PaaS : «Platform as a Service»

SaaS : «Software as a Service»

OVH's IaaS solution: Private Cloud

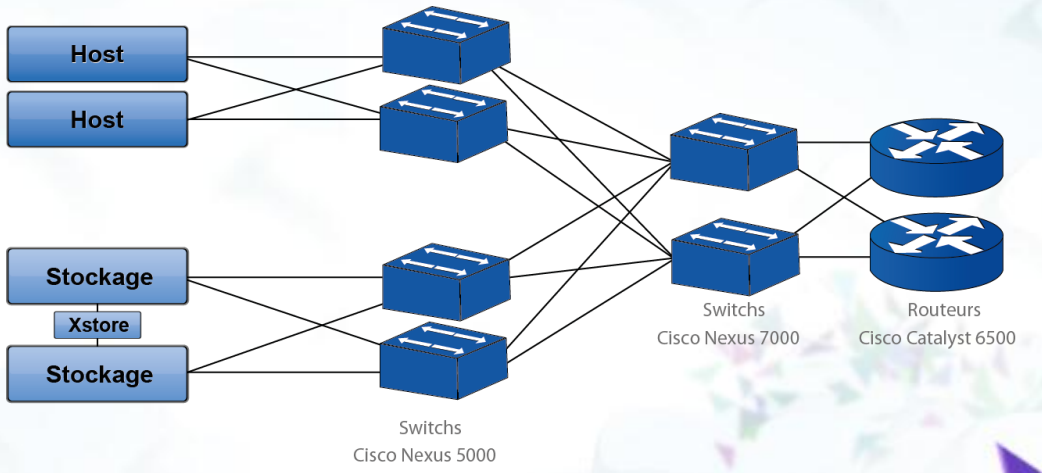
A private infrastructure
- **Dedicated Hosts and storage**
- **Isolated from each client**
- **Total freedom of administration**
- **VMware standards**



- Unlimited VMs
- VMware vSphere
- Hosts and storage on demand
- 2x 40 Gbps network1

OVH's IaaS solution: Private Cloud

A secured Infrastructure
- redunded ressources
- 99,99% SLA
- Hosted in France
- No externalisation



OVH's IaaS solution: Private Cloud

Infrastructure home-made

- Ressources on demand
- Supplied in 2 minutes
- Invoiced at the hour or monthly
- Ideal for activity peaks

OVH's IaaS solution: Private Cloud

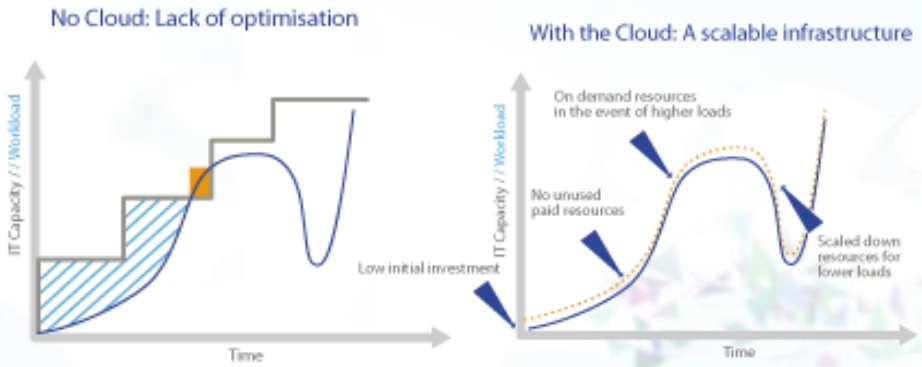
Innovative infrastructure

- All VMware functionnalities
- Automated load balancer
- Snapshots creation
- ready-to-use catalog of templates

OVH's IaaS solution: Private Cloud

Economic infrastructure

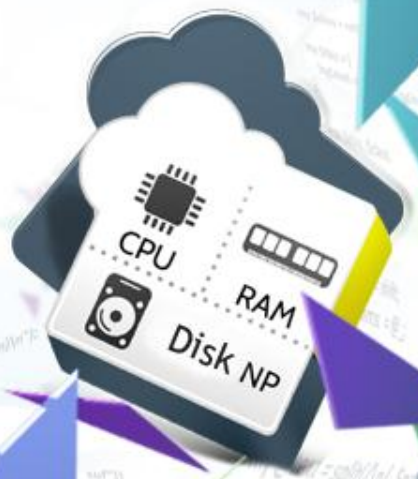
- Optimal ressources management
- Reduced time-to-production
- No datacentre to build
- No more hardware maintenance



OVH's PaaS solution: Public Cloud Instance

Infinite environments execution

- Development focus
- Perfect for short projects
- An ideal test platform
- Tailored to specific needs (activity peaks, calculations, etc.)

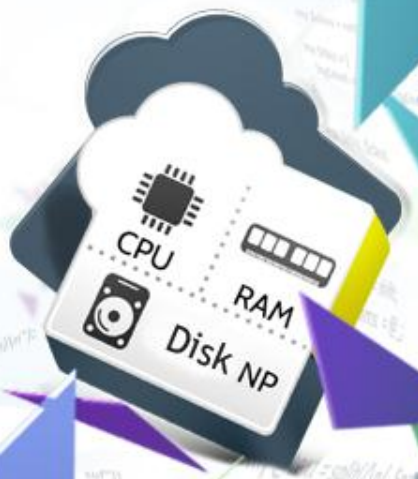


OVH's PaaS solution: Public Cloud Instance

Numerous advantages

Creation simplified

- unlimited instances
- private /public images
- a customisable structure

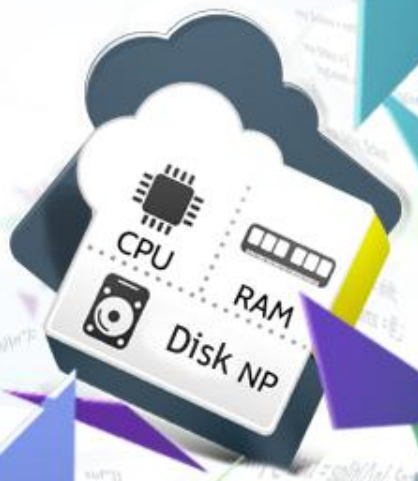


OVH's PaaS solution: Public Cloud Instance

Numerous advantages

Adjustable on the fly

- clone / shut down / restart
- administrator access
- ultra-precise management



OVH's SaaS solution:

HubiC

Advantages

- storage volume– 25GB free
- Multi-support
- Private access

OVH's SaaS solution:

HubiC

The functions to come

- sharing
- Incremental backups
- Company customization

Conclusion

4 000 physical servers «Cloud»

HubiC: 70 000 accounts, 10 000 queries/ min

+ 1 000 virtual datacentres

30 000 VM managed/administered
By the Cloud team

OVH Cloud «made in» France is above all:

- Immediate availability
- Ressources elasticity
- Usage billing
- Support/ availability

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