



MY HYPERVISER

Which is the right hypervisor for my purpose?

AGENDA

- Why ?
- How ?
- Who ?
- My Architecture
- My Product
- Where ?

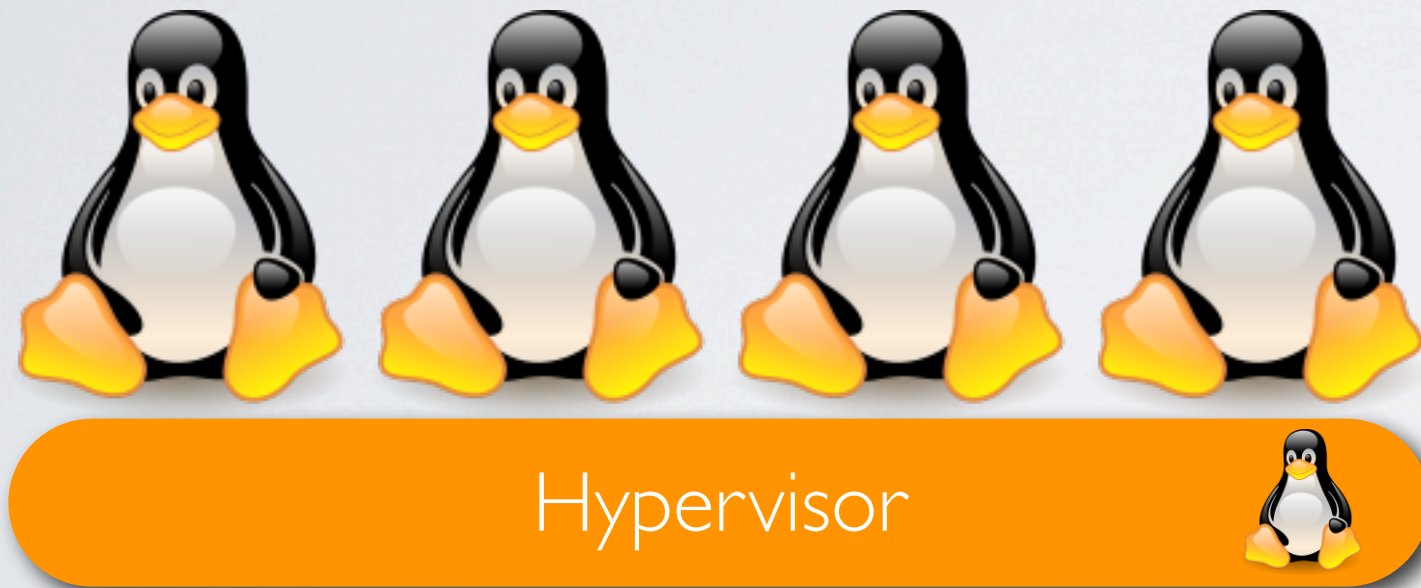
WHY SHOULD I USE VIRTUALIZATION ?



HOW DOES VIRTUALIZATION WORK ?

- **Operation system-level virtualization**
 - guest systems share one kernel with host system

OS-LEVEL VIRTUALIZATION



* No overhead

* Performance

* Only one OS supported

HOW DOES VIRTUALIZATION WORK ?

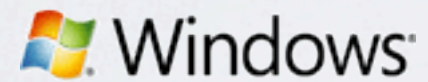
- **Operation system-level virtualization**

- guest systems share one kernel with host system

- **Emulation**

- guest systems have their own „virtual“ processor

EMULATION



Hypervisor



* Different architectures supported, e.g. x86, PowerPc, Sparc

* Performance

HOW DOES VIRTUALIZATION WORK ?

- **Operation system-level virtualization**

- guest systems share one kernel with host system

- **Emulation**

- guest systems have their own „virtual“ processor

- **Para-virtualization**

- guest systems „know“ that they are virtual

PARA-VIRTUALISATION



Hypervisor

- * API between host & guest
- * Performance
- * Kernel modification required
- * No Windows support - only OSS

HOW DOES VIRTUALIZATION WORK ?

- **Operation system-level virtualization**

- guest systems share one kernel with host system

- **Emulation**

- guest systems have their own „virtual“ processor

- **Para-virtualization**

- guest systems „know“ that they are virtual

- **Full-virtualization**

- guest systems are „applications“ and have their own little world

FULL-VIRTUALISATION



Virtual Machine Monitor

Hypervisor





- * No kernel modification required
- * Several Operation Systems
- * Performance

WHO AM I ?

- Garage company
- Small / medium enterprise
- Corporate
- Hoster



MYCOMPANY - MYARCHITECTURE

	OS-level virtualization	Emulation	Para - virtualization	Full - virtualization
Garage Company				
Small / Medium Enterprise				
Corporate				
Hoster				

MYCOMPANY - MYPRODUCT

- **Operation system-level virtualization**

- commercial - Virtuozzo
- open source - openVZ, V-server

- **Emulation**

- commercial -
- open source - QEMU

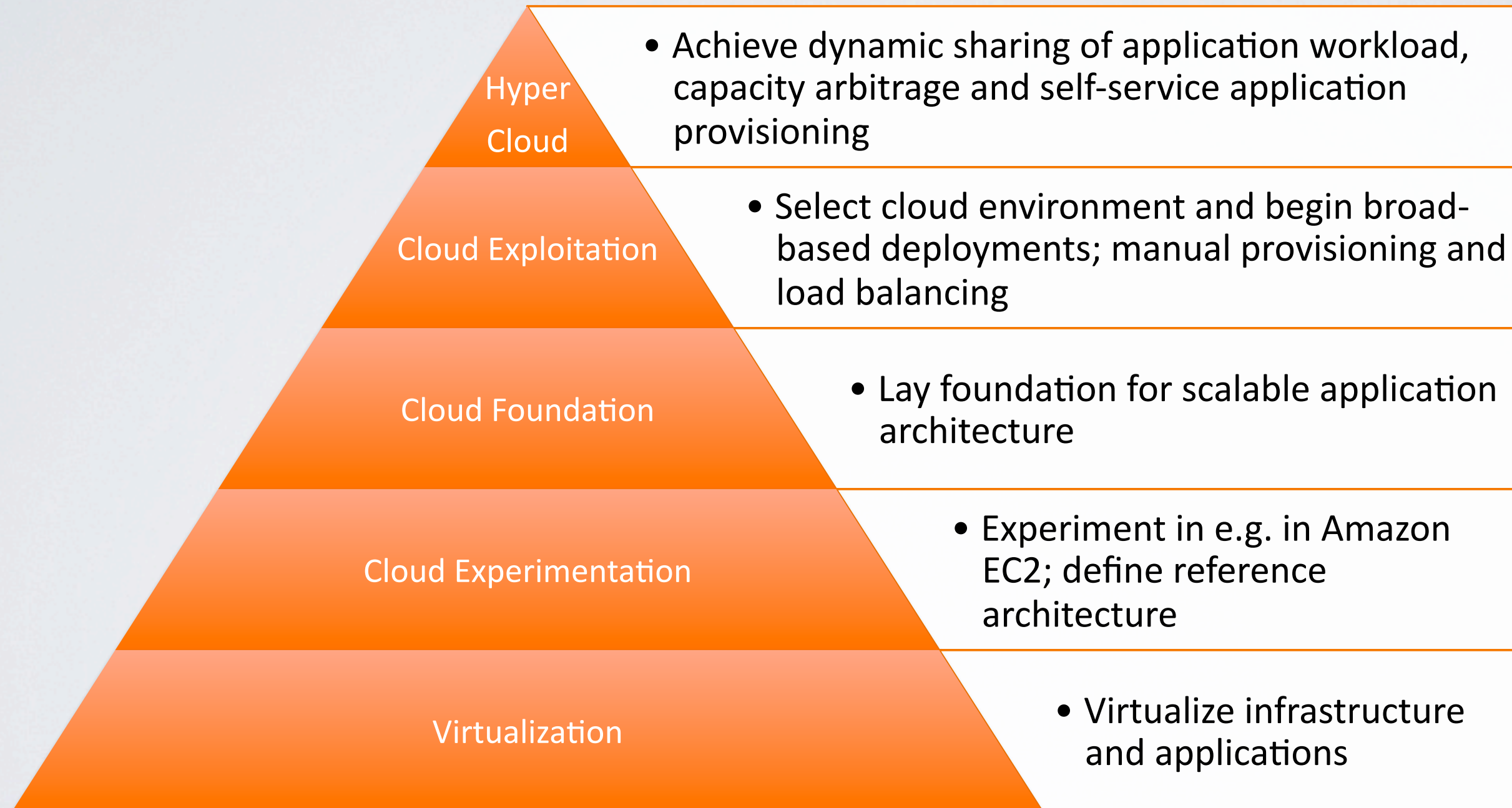
- **Para-virtualization**

- commercial - Xen-Server
- open source - Xen

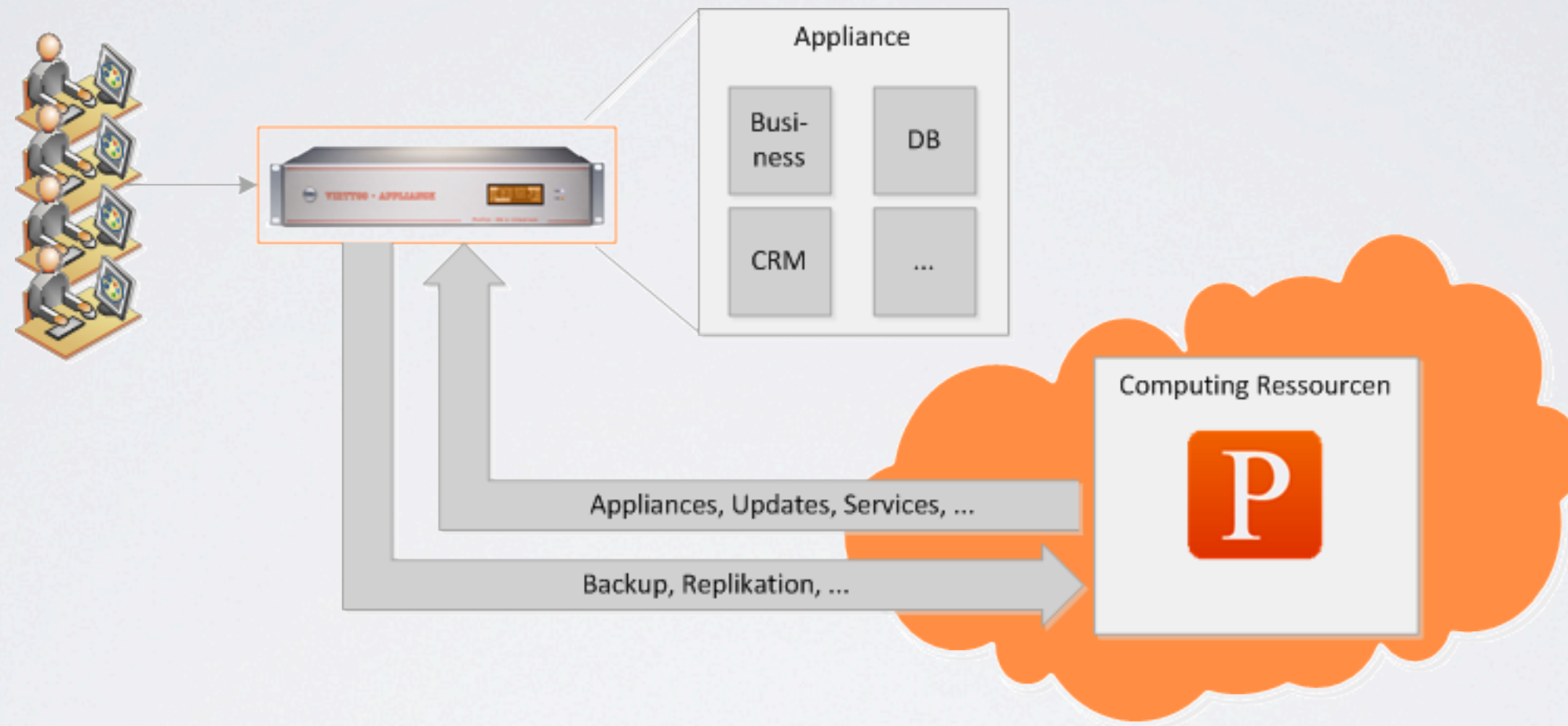
- **Full-virtualization**

- commercial - VMware ESX, Microsoft Hyper-V, Parallels
- open source - Xen, KVM

WHERE'S THE JOURNEY GOING?



STEP BY STEP - OUR SERVICES



- Smooth transition approach, you decide on the speed and once we virtualized you...
- we provide value added services such as backup, automatic replication any many more

MORE INFORMATION

- General forum

- Virttoo.org



- Consulting and Support for Virtualization

- support@provirt.com



- Follow us on twitter

- twitter.com/provirt

