

KVM Forum 2013 - Keynote

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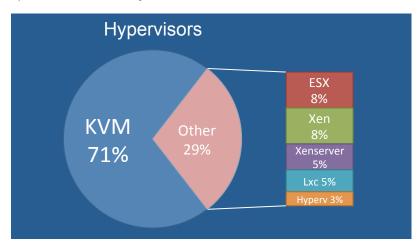


Maturity



OpenStack's Hypervisor of Choice

OpenStack user survey result



SPECvirt_sc2013 624.9@37 VMs tested by IBM

- #1 two socket result
- Beats closes competitor by 32% on the same CPU

SPECvirt_sc2010 12473@768 VMs tested by Bull

#1 overall highest SPECvirt_sc2010 score by a large amount

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What's New

In X86 Land

- APIC Virtualization and Virtual Interrupts
- NUMA scheduling improvements
- VDSO pvclock
- pvticketlock
- Shadow paging scalability improvements
- Nested VMX improvements
 - VMCS Shadowing
 - Nested EPT



Architectures

- ARM 32 & 64 are merged
- MIPS trap and emulate is merged
- MIPS-VZ is being worked on
- Tile PV is being worked on



Challenges

- Scalability
- Nested Virtualization
- Stability
- Security



The end.

Thanks for listening.