

# KVM: The First Year

KVM Forum 2007

August, 2007

**KVM Forum 2007**  
**Tucson**



# Agenda

- A brief history
- KVM strengths and weaknesses
- Surprises
- Focus areas for next year
- Predictions

Never let the other fellow set the agenda.  
James Baker (1930 - )

# History

- October 2006: announced
- December 2006: merged
- February 2006: live migration
- April-May 2006: major performance work
- June 2007: guest SMP
- August 2007: KVM Forum 2007

History will be kind to me for I intend to write it.

Sir Winston Churchill (1874 - 1965)

# Strengths and Weaknesses

- Strength: Linux
- Weakness: late to the scene
  - Lack of management tools
  - Lack of paravirtualized drivers
  - Previous commitments
  - Lots of catching up to do
- Strength: late to the scene
- Strength: starts from a full virtualization approach
- Strength: small enough to be understood by one person

A true friend knows your weaknesses but shows you your strengths

William Arthur Ward (1921 - 1994)

# Surprises

- Embedded/realtime
- s390

When I was born I was so surprised I  
didn't talk for a year and a half.

Gracie Allen (1906 - 1964)

## Next year

- Architecture ports (s390, ppc, ia64)
- More hardware support (npt/ept, iommu)
- Less hardware support (kvm-lite)
- Paravirtualized drivers
- Device passthrough

I never think of the future - it comes soon enough.

Albert Einstein (1879 - 1955)

# Predictions

- One more architecture
- We will all know what Qumranet is up to
- KVM Forum 2008

It's tough to make predictions, especially about the future.

Yogi Berra (1925 - )

# Thank you!