Intel® Virtual KVM
Take a modern approach to virtual keyboard-video-mouse
Remote Access Usage in Data Center
Data Center Challenges

My server in Mexico is down and I can't access it or find out why...

My server is down, and I don't know where it is located...

My server is offline and I can't reboot it from my location...

My primary network is down and all my servers with it...

I spend a lot of $$$ on hardware KVMs for my servers...

I have thousands of heterogamous servers in my data center and I need a tool to control and access them to maintain full availability.
Existing Solutions Today

KVM Switch:
Local rack or remote KVM Switch access

- Analog/Digital KVM switch: local rack access
- KVM switch over IP: remote KVM switch access

vKVM:
Remote KVM access for individual server

- Server BMC provides vKVM functions
- OEM sell vKVM as BMC sell-up functions

Central KVM Management Solution:

- Consolidated KVM access, IB and OOB, RDP, VNC
- SW solution + HW KVM central mgmt appliance
Remote Server Management

- Server diagnostics and troubleshooting
- Checking BIOS settings and BIOS configuration
- Analyze server logs
- Configuration changes or verification
- Remote power cycling
Intel® Virtual KVM
Intel® Virtual KVM Delivers

Real-time Visibility and Control for IT Assets
- Racks/Blades/Storages/Networks

Consolidated Central Access
- One-to-many solution

Cross OEM Vendors Support
- HP, IBM, Dell, Fujitsu, Lenovo, Sun, etc.

Full Device Coverage
- Combined OOB and IB access

SDK for ISV Solution Integration
- Easy integration for partners
What are Your Benefits with Intel® Virtual KVM?

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Target Implementation: Where & Who?

Hybrid Retrofit Data Centers
- Lower initial cost
- Easier to install than hardware KVMs
- No power, cooling or space required

New Data Centers
- Lower initial cost
- Lower deployment costs
- Lower operating costs

IT & Facility Managers
- Need access/control of the IT layer
- One-to-many remote access
- Management heterogeneous DC environment
Summary

Intel® Virtual KVM is used for diagnosing and troubleshooting data center hardware across platforms.

IT managers can now securely configure or fix compatible components (e.g., servers, network switches and storage devices) remotely, in a “one-to-many” solution.

Virtual KVM is a natural complement to data center power management.
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