The future of Windows Virtualization

**Device Virtualization**

- Physical devices
  - Managed by traditional driver stacks
- Virtualization service providers (VSPs)
  - Virtualize a specific class of device (e.g. networking, storage, etc.)
  - Expose an abstract device interface
  - Run within the partition that owns the corresponding physical device
- Virtualization service clients (VSCs)
  - Consume virtualized hardware service
- VMBus
  - Software “bus” (enumeration, hot plug, etc.)
  - Enables VSPs and VSCs to communicate efficiently
  - Uses memory sharing and hypervisor IPC messages