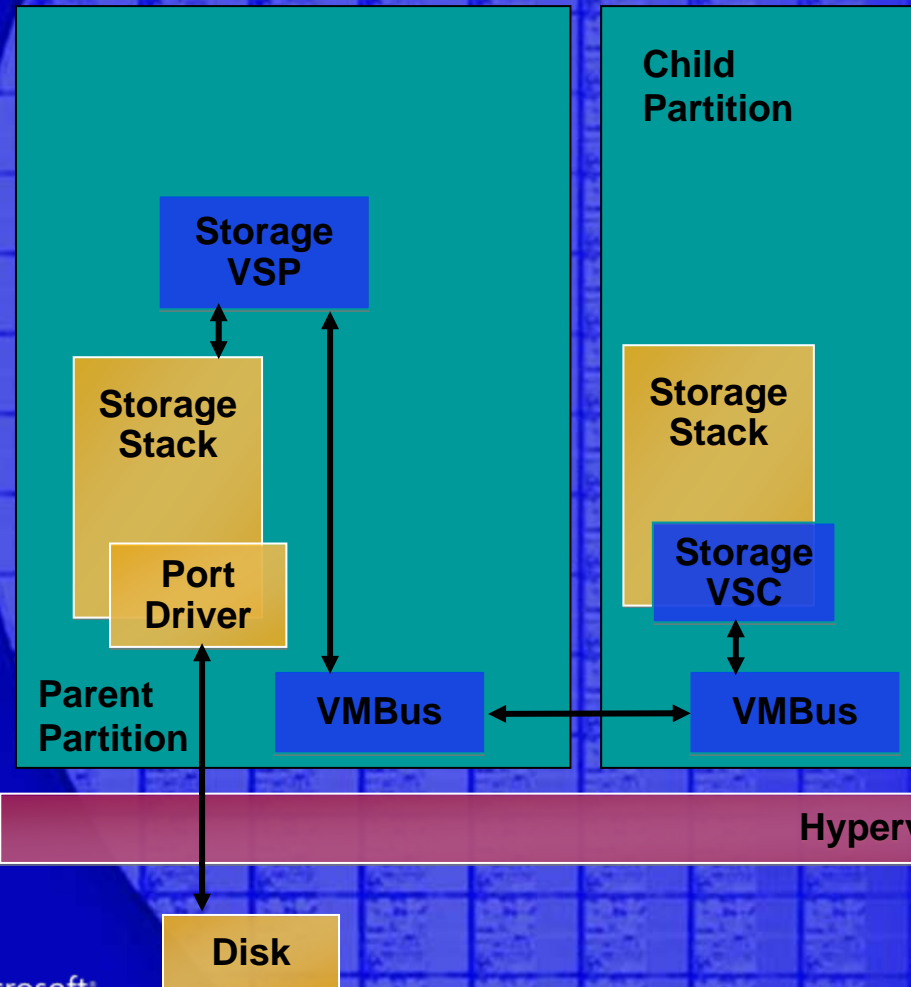


Device Virtualization



- **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