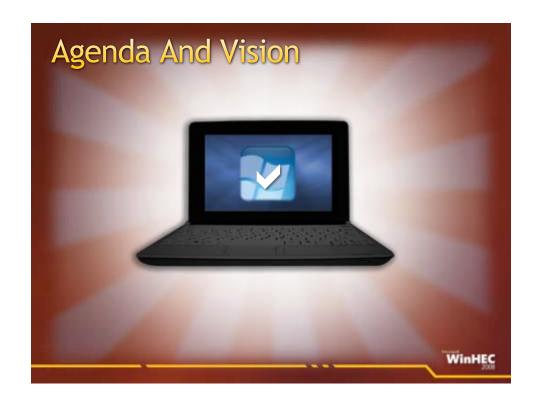
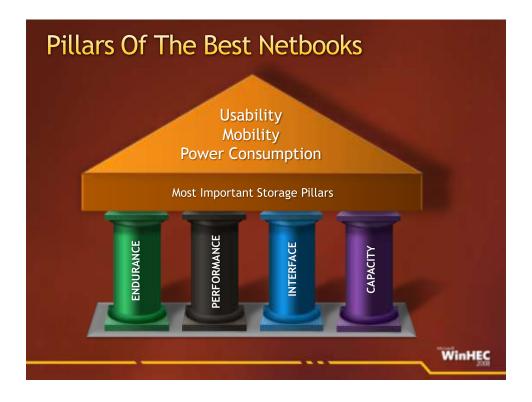


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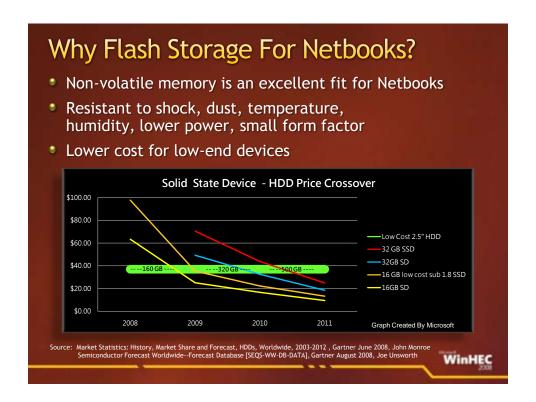
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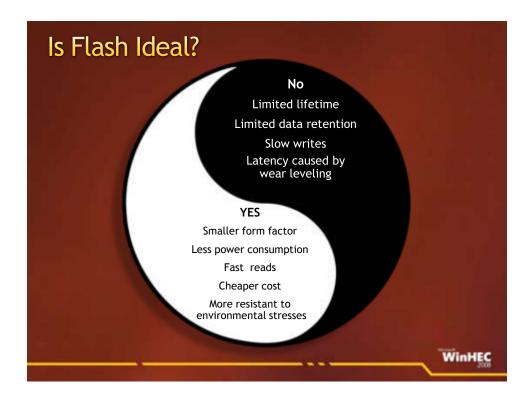


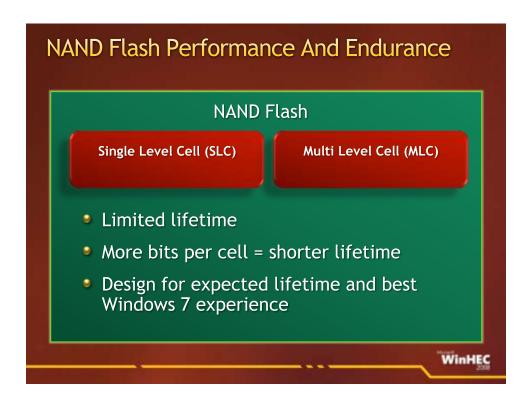
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Windows 7 Disk Footprint Windows 7 disk footprint smaller than Vista "Installed footprint" includes logs, memory dumps, caches, restore points, pagefile, hiberfil Balance: Managing growth while providing new features Windows 7 will run well on 16GB systems ~50% of drive used by Windows over life of PC Daily use, including growth and footprint per above ~50% of drive available Applications Media storage Working space for installs



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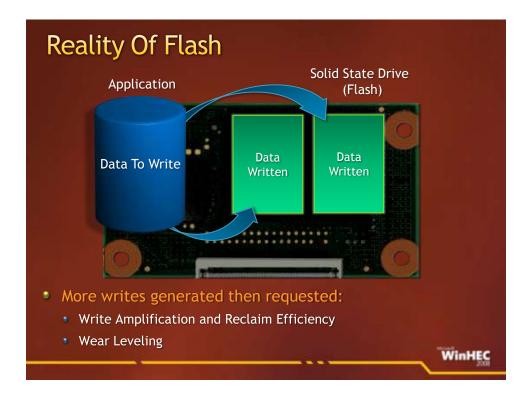




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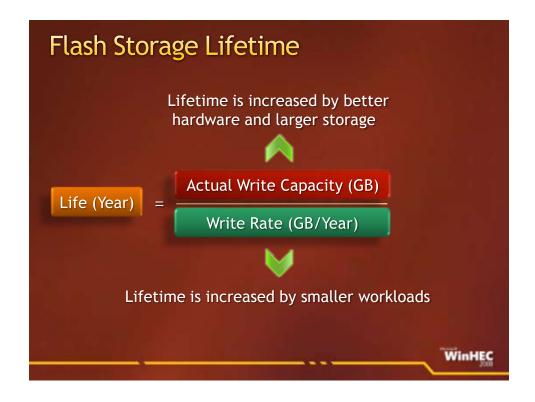


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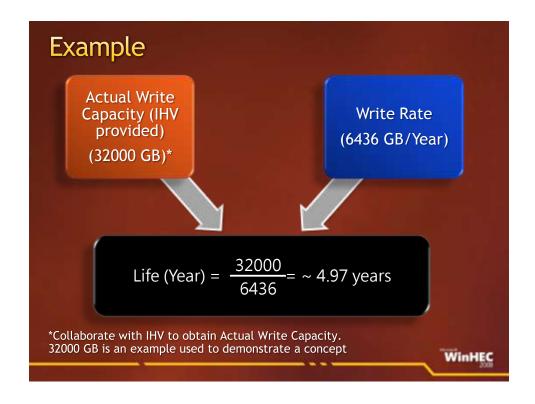
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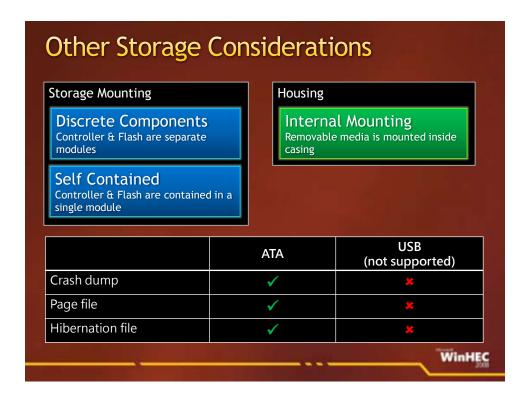
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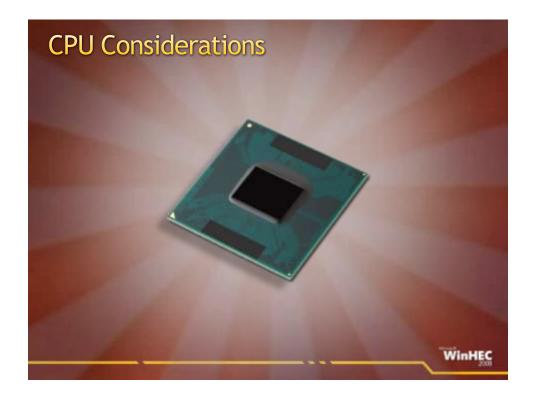
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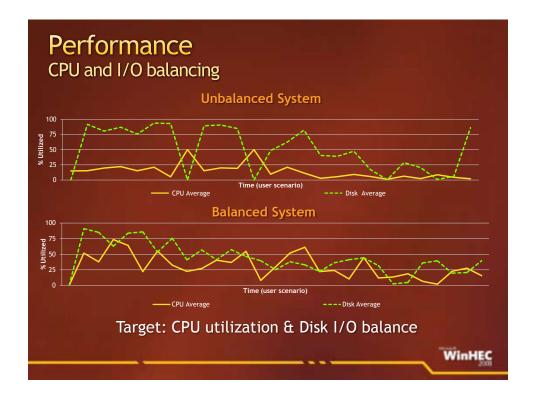




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Performance I/O balancing speed consideration Random I/O speed affects Windows experience Faster I/O speed equals faster boot time Ask your SSD IHV for random speed



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Our Commitment

- We are committed to help netbook manufacturers offer best products
- We provide:
 - Technologies to optimize Windows 7 for flash storage
 - Guidance: Flash PC design guide
 - OPK tools



Windows 7 Flash Technologies

- Non spinning disk (SSD) detection
 - No scheduled defrag
- Trim command
 - OS will notify device when file is deleted
 - Better wear leveling and early garbage collection
- Partition alignment to reduce writes
- Logo requirements for SSD performance



Flashed Based Netbook Design Guide

- Not a Reference Design
- Helps reduce development costs and time to market
- Offers guidance on how to build for best Windows experience



Call To Action

- Use Design Guide to optimize your Netbook for Windows experience
- Estimate the endurance of your Netbook, ask your SSD IHV for help
- IHVs: collaborate on the standard way to measure SSD endurance

WinHEC





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