

**WINDOWS 7
SECURITY FEATURES**

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Agenda

- BitLocker
- AppLocker
- User Access Control

BitLocker Vista

- Could only protect the primary disk
 - Couldn't protect other drives
- Vista SP1
 - Allowed us to protect all disks
- Could block USB ports from using thumb drives
 - Done via Group Policy
 - Some users need to use thumb drives!!

BitLocker Windows 7

- Extends the protection created in Vista
- Works in conjunction with your laptops TPM chip
 - Use USB key to unlock if there is no TPM chip
- Only authorized users can access the data
- BitLocker To Go protects data stored on portable media
 - Only authorized users can read the data
 - Even if the media is lost or stolen



New BitLocker Policies

- Options available GPO or Local Security Policies
- Stream line setup for easy setup
 - BE CAREFUL – Don't lose the password
 - Store recovery information on another media
- XP and Vista
 - Installs BitLocker To Go applet on the thumb drive.
 - Prompted for a password to access



Let's demo BitLocker To Go...

- Look at the local policies
- Turn on BitLocker for a thumb drive
 - Set Password
 - Print recovery key



Windows XP/VISTA AppLocker

- Allows you to lock what apps are installed on your machines.
- XP and Vista used Software Restriction Policies
 - Rules were based on the application hash
 - If you upgrade the software the hash would change
 - Required manual policy updates



AppLocker - Windows 7

- Create rules
 - Assign existing security groups to rules
 - Allows for much more granular control down to the version
- Create rules via GPO or with the Local Group Policy editor
 - Create default rules before your own to prevent system lockout!!



AppLocker - Windows 7

- Most start the Application Identity service.
 - Change the start up method and reboot!!
- Use the Automatically Generate Rules to save setup time



AppLocker Demo

- Again be sure to implement the defaults so you don't lock yourself out of the system!
- Demo Adobe



User Access Control

- Implemented in VISTA
 - Turn prompting off and on only.
- Windows 7
 - 4 different levels
 - Gives control over prompting
 - The higher the level the more prompts
 - Default level for Windows VISTA
 - The lower the level the less secure
 - Like in Windows XP
- Same controls via a Group Policy



Any Questions?

Thanks for coming and enjoy the games!


