# Laptop Encryption Guidelines

Use this short checklist to determine the right encryption solution for your laptop.

<table>
<thead>
<tr>
<th>If this is your operating system ...</th>
<th>Use this encryption solution ...</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Windows Operating Systems</strong> (See notes below)</td>
<td><strong>Approved Encryption Solution</strong></td>
</tr>
<tr>
<td>Windows 7 Enterprise</td>
<td>BitLocker (preferred) or SecureDoc</td>
</tr>
<tr>
<td>Windows 7 Ultimate</td>
<td>BitLocker (preferred) or SecureDoc</td>
</tr>
<tr>
<td>Windows 7 Pro</td>
<td>If the laptop is University-owned, upgrade to Windows 7 Enterprise *; If the laptop is personally-owned, upgrade to Windows 7 Ultimate; When upgraded, use either BitLocker (preferred) or SecureDoc</td>
</tr>
<tr>
<td>Windows 7 Home Premium</td>
<td>If the laptop is University-owned, upgrade to Windows 7 Enterprise *; If the laptop is personally-owned, upgrade to Windows 7 Ultimate; When upgraded, use either BitLocker (preferred) or SecureDoc</td>
</tr>
<tr>
<td>Windows Vista</td>
<td>If the laptop is University-owned, upgrade to Windows 7 Enterprise *; If the laptop is personally-owned, upgrade to Windows 7 Ultimate; When upgraded, use either BitLocker (preferred) or SecureDoc</td>
</tr>
<tr>
<td>Windows XP</td>
<td>SecureDoc</td>
</tr>
<tr>
<td>Operating systems prior to Windows XP</td>
<td>Remove from inventory</td>
</tr>
</tbody>
</table>

* **Upgrading to Windows 7 Enterprise**: Please note that going from any version of Windows 7 to Windows 7 Enterprise requires a full re-installation, not an upgrade. For more information on version upgrades, visit this link (http://technet.microsoft.com/library/dd772579.aspx) or call the Service Desk at 567-7777 option 1.

**BitLocker note**: To use BitLocker, your laptop must be equipped with a Trusted Platform Module (TPM) chip, and it must be enabled.

**SafeBoot note**: Laptops currently encrypted with SafeBoot are in compliance with current encryption guidelines.  
- If the laptop is functioning properly and encrypted with SafeBoot - to change your encryption from SafeBoot to BitLocker, call the Service Desk (567-7777 option 1) to login to the SafeBoot console to begin the decryption process. 
- If the laptop is not working properly and is encrypted with SafeBoot - submit a Service Request to End User Support to attempt recovery of the device and decryption of the hard drive; the rate of decryption is approximately 40 GB per hour.  
- You must have administrative privileges in SafeBoot in order to decrypt the laptop, or you must submit a Service Request to End User Support.

SEE NEXT PAGE FOR MAC AND LINUX
<table>
<thead>
<tr>
<th>Apple Mac Operating Systems</th>
<th>Approved Encryption Solution</th>
</tr>
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<tbody>
<tr>
<td><strong>NOTE:</strong> Whole-disk encryption on Mac laptops is <strong>ONLY</strong> available to those laptops with Intel processors. Mac laptops manufactured in early- and mid-2006 will not run Mac OS X 10.7 &quot;Lion&quot;, so they must be encrypted with SecureDoc. Mac laptops manufactured in late-2006 up to the current models can use SecureDoc or, if upgraded to OS X 10.7 &quot;Lion,&quot; the preferred FileVault 2. See below for more information.</td>
<td></td>
</tr>
<tr>
<td>Mac laptops using the PowerPC architecture must be turned in to the warehouse and removed from the inventory.</td>
<td></td>
</tr>
<tr>
<td>Mac OS X 10.7 “Lion”</td>
<td>FileVault 2</td>
</tr>
<tr>
<td>Mac OS X 10.6 “Snow Leopard” And OS X 10.5 “Leopard”</td>
<td>SecureDoc (see SecureDoc note below)</td>
</tr>
<tr>
<td>Mac operating systems prior to OS X 10.5</td>
<td>Upgrade to the newer operating systems (OS X10.5+), or remove from inventory</td>
</tr>
<tr>
<td><strong>SecureDoc note:</strong> If the Mac laptop is currently encrypted with the original FileVault, the laptop must be either decrypted and re-encrypted with SecureDoc, or the laptop must be upgraded to Lion (OS 10.7) and then encrypted with FileVault 2.</td>
<td></td>
</tr>
</tbody>
</table>

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<tr>
<th>Linux Operating Systems</th>
<th>Approved Encryption Solution</th>
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<tbody>
<tr>
<td>Kernel &gt;= 2.6.10</td>
<td>LUKS or a self-encrypting hard drive</td>
</tr>
<tr>
<td>Kernel &lt; 2.6.10</td>
<td>Self-encrypting hard drive</td>
</tr>
</tbody>
</table>

**For more information on encryption or to request an exception, please send e-mail to InfoSec@uthscsa.edu.**

**For support with your laptop and getting it encrypted,**

**Call the Service Desk at 567-7777 option 1**