

Vista Licensing Information

University of Pennsylvania
Office of Software Licensing

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Vista License Prices & Availability

- Vista Business
 - License, \$59. CD or DVD media \$27.
- Vista Enterprise
 - License & SA, \$110. CD or DVD media \$27.
- Availability:
 - Nov 30 for Campus Agreements via software download.
 - Early December for purchase through Computer Connection
- Vista Ultimate: pricing/availability not known yet.

Volume License Keys

- Activation ≠ Licensing
- New computers or new installations have 30-day window for activation with a license key.
- There are two types of license keys now:
 - MAK (Multiple Activation Key)
 - For single workstations activating directly with Microsoft via internet or by telephone call
 - KMS (Key Management Service)
 - For internal activation on a secure Vista network of >25 systems.

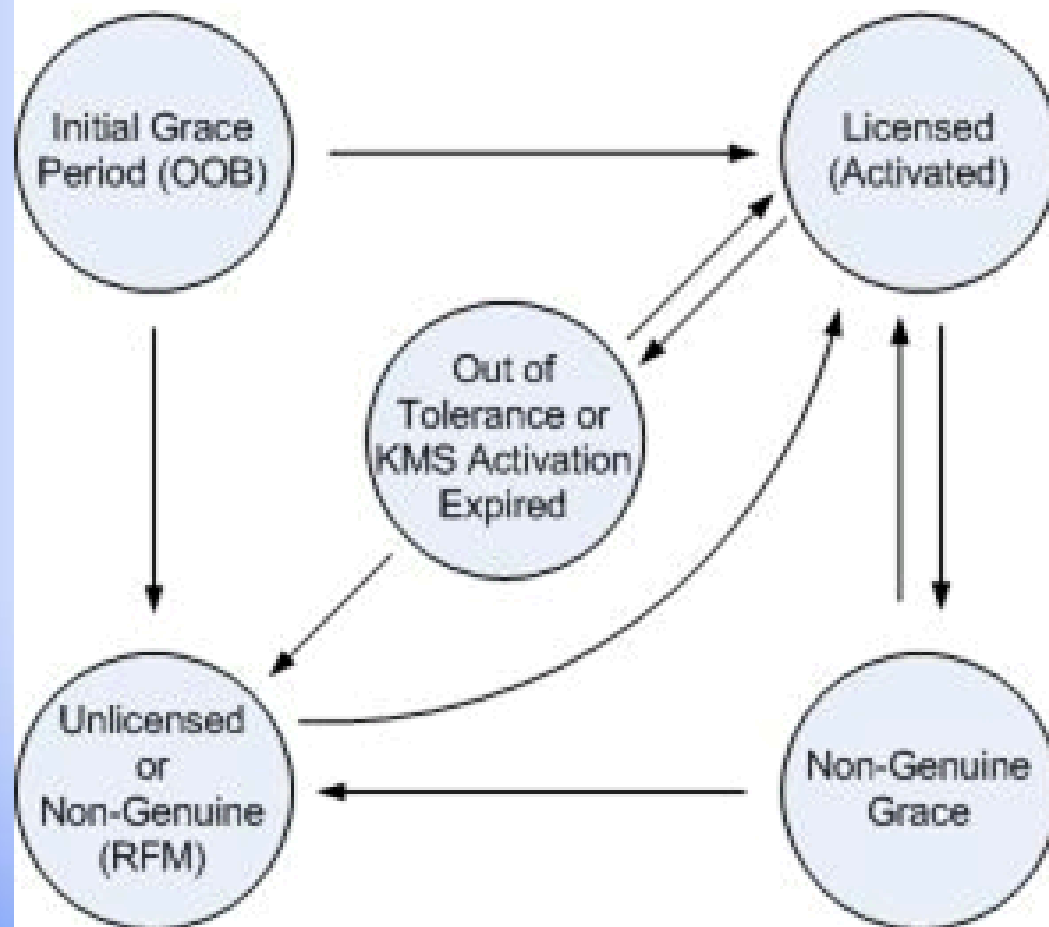
Activation - MAK

- MAK (Multiple Activation Key)
 - One key for the site - Similar to current license model for Select licenses.
 - Number of activations should equal the number of licenses sold.
 - One-time activation only is necessary.
 - Unless significant hardware changes occur, then reactivation is necessary.
 - If a MAK key is stolen and misused, Microsoft can invalidate it so it cannot be used for new activations.

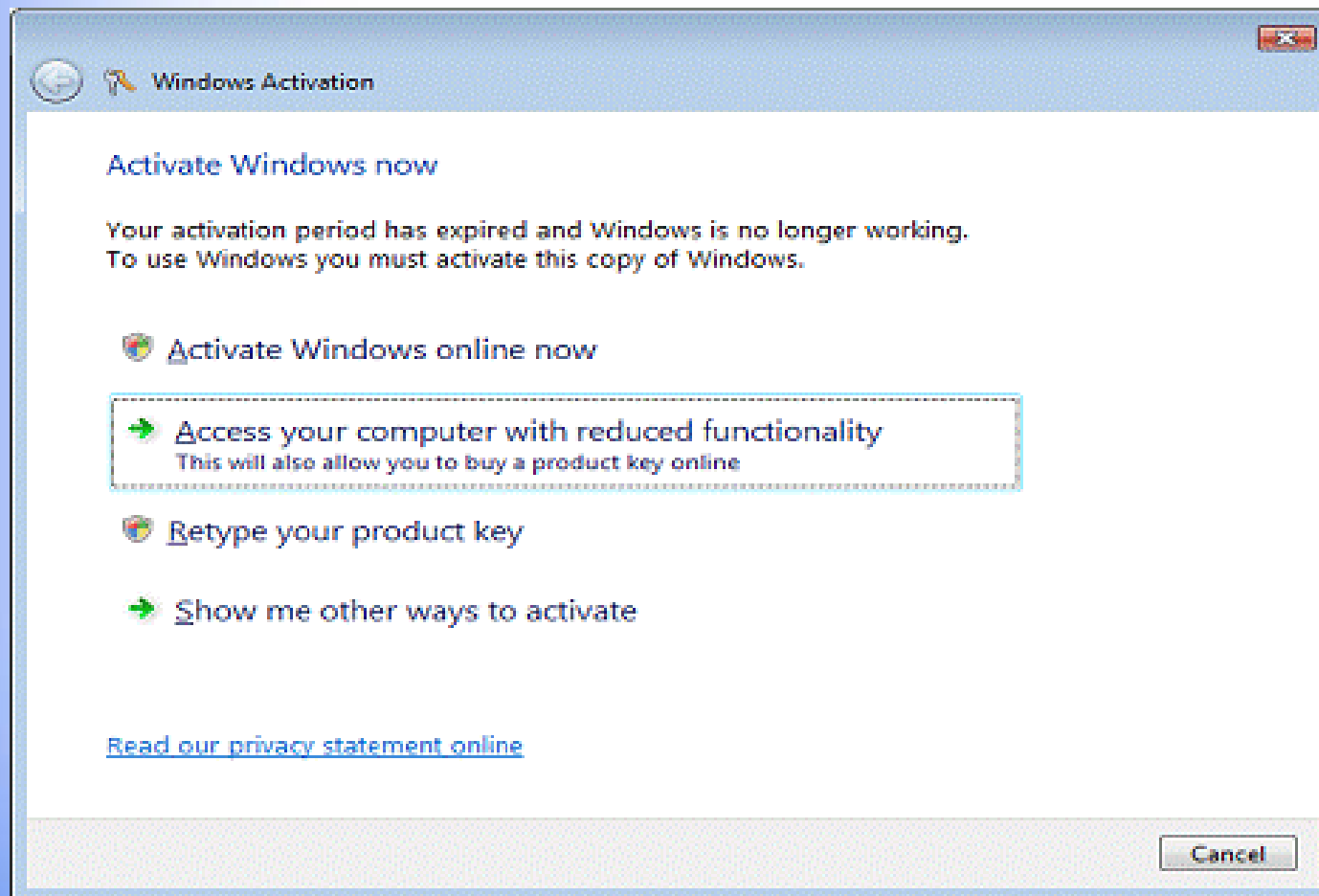
Activation - KMS

- KMS (Key Management Service)
 - KMS service runs on a Win system; MS authorizes KMS service to run.
 - DNS has to have a server record of the KMS service.
 - Actual code does not reside on the individual computer.
 - At activation when prompted to enter license key, hit Enter and it automatically activates against the service.
 - Computer activates against the KMS service every 7 days.
 - If a system goes beyond 180 days (6 months) without authenticating with internal KMS, then it will go into a 30-day Grace Period indicating it needs to be authenticated.

Windows Vista and Longhorn Server License States



Reduced Functionality Mode



Summary

- We can use both MAK and KMS codes.
- Microsoft's effort to control piracy includes their ability to invalidate the code for future activations.
- If a MAK is invalidated, future activations will fail Genuine Advantage authentication.
- KMS activations would never be invalidated because the code cannot be used outside the network.

Licensing Links

- **General Documentation**

[White Paper: Microsoft's Software Protection Platform: Innovations for Windows Vista and Windows Server "Longhorn" – Oct. 2006](#)

- **Technical Documentation**

[Volume Activation 2.0 Step-by-Step Guide: Provides planning, deployment, and operational guidance for activating volume editions of the Windows Vista operating system.](#)

[Volume Activation 2.0 FAQ: Provides answers to frequently asked questions \(FAQ\) about Windows Vista Volume Activation 2.0](#)

[Download the Technical Documentation and Other Supporting Materials](#)

- **Technical Attributes**

[Windows Vista Volume Activation 2.0 Technical Attributes](#)

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