Microsoft Volume Activation 2.0

Volume Activation 2.0 is a new licensing and activation model for Microsoft Windows desktop operating systems, server operating systems, and applications that require activation of each license acquired under a Volume License agreement. Volume Activation 2.0 is designed to help increase protection and to help better manage the Volume License keys in managed and non-managed environments as well as provide flexible deployment options. The process has varying levels of transparency for end users, and the Volume Activation 2.0 solution works in a variety of environments. Volume Activation 2.0 provides the campus with two types of keys and three methods of activation.

As of the writing of this document this affects the following Microsoft Products:

- Windows Vista
- Windows Server 2008
- Windows 7
- Windows Server 2008 R2
- Office 2010

The easiest way to activate Microsoft products under Volume Activation 2.0 is to use the campus's two KMS (Key Management Service) servers. There are several ways to configure a client or an environment to use the KMS servers. By default, Microsoft software that uses Volume Activation 2.0 is configured to use KMS.

Method One: Automatic KMS discovery using DNS

If you are running and maintaining your own Active Directory forest and DNS servers, you can manually create two DNS SRV record using the following information:

Service: _vlmcs
Protocol: _tcp
Priority: 0
Weight: 0
Port number: 1688
Host offering the service: lats-kms1.lats.ad.csulb.edu OR lats-kms2.lats.ad.csulb.edu

This will allow all the clients in your domain that use your DNS servers to automatically discover the campus KMS servers. Please note that the campus Active Directory forest has been configured for KMS v1.3 6/21/2010
auto discovery, so all domains inside the campus forest can successfully use KMS by default. If you need some guidance or assistance with this process, please email lats-help@csulb.edu.

**Method Two: Manual KMS configuration using the command line**

1. Configuration is only required for KMS clients that will use direct registration with their KMS host. Direct registration overrides DNS auto-discovery. Configuration can be scripted to run remotely and can use Group Policy or logon scripts, assuming that:
   - The required services are enabled on the computer.
   - The port used for KMS communications is not blocked in firewalls or routers.
   - Access permissions are set correctly. (All methods that are implemented in WMI or through the registry require Administrator privileges unless standard user activation has been enabled).

2. On the KMS client, register the KMS host’s fully qualified domain name (FQDN), for example:
   - Open a command prompt by right clicking on the icon for command prompt and selecting "Run as Administrator."
   - Type in ONE the following commands, pressing the enter key after:
     - cscript \windows\system32\slmgr.vbs -skms lats-kms1.lats.ad.csulb.edu
     - OR
     - cscript \windows\system32\slmgr.vbs -skms llats-kms1.lats.ad.csulb.edu

3. Optionally, the IP can be used instead of the FQDN.
   - Open a command prompt by right clicking on the icon for command prompt and selecting "Run as Administrator."
   - Type in the following commands, pressing the enter key after:
     - cscript \windows\system32\slmgr.vbs -skms 134.139.25.47
     - OR
     - cscript \windows\system32\slmgr.vbs -skms 134.139.25.49

4. In the future if you need to re-enable auto-discovery for a client computer that was registered to use a specific KMS, run the following built-in script:
   - cscript \windows\system32\slmgr.vbs –ckms

If you need some guidance or assistance with this process, please email oat-help@csulb.edu.
Activating Office 2010 is Windows XP Sp3:
Follow these instructions to activate Office 2010 if you are using Windows XP SP3 as an operating system:

- Open a command prompt
- Type in ONE the following commands, pressing the enter key after:
  cscript "%PROGRAMFILES%\Microsoft Office\Office14\ospp.vbs" /sethst:lats-kms1.lats.ad.csulb.edu
  OR
  cscript "%PROGRAMFILES%\Microsoft Office\Office14\ospp.vbs" /sethst:lats-kms2.lats.ad.csulb.edu
- Type in the following command, pressing the enter key after:
  cscript "%PROGRAMFILES%\Microsoft Office\Office14\ospp.vbs" /act
Using KMS to Activate Microsoft Products at CSULB

Verifying Activation is Successful – Microsoft Operating Systems:
In the Vista / Windows 7 / Server 2008 / Server 2008R2 control panel, find the icon labeled "System" and double click on it. Alternately, you can hold down the Windows Logo key on your keyboard and press the PAUSE key at the same time to pull up the same screen.

At the bottom of the System screen is a section called "Windows Activation." If the operating system is activated, it should look like this:

![Windows activation screen](image)

Verifying Activation is Successful – Microsoft Office 2010:
In any Office 2010 Office application, open the “Backstage” view, then click on “HELP”

![Office Help view](image)

In the upper right hand quadrant of the screen, you should see something that looks like this:

![Product Activated](image)

Microsoft Office Professional Plus 2010

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