0.原版操作系统下载<https://www.microsoft.com/zh-cn/software-download/windows10/>

**激活环境准备：**

方法一1.激活服务器：虚拟机，用软盘启动（使用驱动文件vlmcsd里的vlmcsd-svn1112\vlmcsd-svn1112\floppy\floppy144.vfd）

方法二：windows系统下

1.开启Windows服务器防火墙1688端口

2.在服务器解压binaries.tar.gz，打开Windows-intel，打开vlmcs-Windows-x64.exe。

3.安装为服务可自动延期

1. 创建服务：vlmcsd  -s 默认显示名称为Key Management Server，进入services.MSC查看

3.删除服务：sc delete  服务名

**激活命令： Windows 10 企业版**

右击徽标键， 选择 命令提示符（管理员）， 打开 console。

依次键入下列命令。 每执行一个命令， 都会有一个 GUI 窗口给你当前结果。

查看系统版本 winver

查看激活状态slmgr /dlv

slmgr.vbs /upk 删除key

slmgr /ipk NPPR9-FWDCX-D2C8J-H872K-2YT43

slmgr /skms192.168.0.9

slmgr /ato

## **kms激活key**

## <https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-R2-and-2012/jj612867(v=ws.11)?redirectedfrom=MSDN>

## **Windows Server 2016**

| **Operating system edition** | **KMS Client Setup Key** |
| --- | --- |
| Windows Server 2016 Datacenter | CB7KF-BWN84-R7R2Y-793K2-8XDDG |
| Windows Server 2016 Standard | WC2BQ-8NRM3-FDDYY-2BFGV-KHKQY |
| Windows Server 2016 Essentials | JCKRF-N37P4-C2D82-9YXRT-4M63B |

## **Windows 10**

| **Operating system edition** | **KMS Client Setup Key** |
| --- | --- |
| Windows 10 Professional | W269N-WFGWX-YVC9B-4J6C9-T83GX |
| Windows 10 Professional N | MH37W-N47XK-V7XM9-C7227-GCQG9 |
| Windows 10 Enterprise | NPPR9-FWDCX-D2C8J-H872K-2YT43 |
| Windows 10 Enterprise N | DPH2V-TTNVB-4X9Q3-TJR4H-KHJW4 |
| Windows 10 Education | NW6C2-QMPVW-D7KKK-3GKT6-VCFB2 |
| Windows 10 Education N | 2WH4N-8QGBV-H22JP-CT43Q-MDWWJ |
| Windows 10 Enterprise 2015 LTSB | WNMTR-4C88C-JK8YV-HQ7T2-76DF9 |
| Windows 10 Enterprise 2015 LTSB N | 2F77B-TNFGY-69QQF-B8YKP-D69TJ |
| Windows 10 Enterprise 2016 LTSB | DCPHK-NFMTC-H88MJ-PFHPY-QJ4BJ |
| Windows 10 Enterprise 2016 LTSB N | QFFDN-GRT3P-VKWWX-X7T3R-8B639 |

## **Windows Server 2012 R2 and Windows 8.1**

| **Operating system edition** | **KMS Client Setup Key** |
| --- | --- |
| Windows 8.1 Professional | GCRJD-8NW9H-F2CDX-CCM8D-9D6T9 |
| Windows 8.1 Professional N | HMCNV-VVBFX-7HMBH-CTY9B-B4FXY |
| Windows 8.1 Enterprise | MHF9N-XY6XB-WVXMC-BTDCT-MKKG7 |
| Windows 8.1 Enterprise N | TT4HM-HN7YT-62K67-RGRQJ-JFFXW |
| Windows Server 2012 R2 Server Standard | D2N9P-3P6X9-2R39C-7RTCD-MDVJX |
| Windows Server 2012 R2 Datacenter | W3GGN-FT8W3-Y4M27-J84CP-Q3VJ9 |
| Windows Server 2012 R2 Essentials | KNC87-3J2TX-XB4WP-VCPJV-M4FWM |

## **Windows Server 2012 and Windows 8**

| **Operating system edition** | **KMS Client Setup Key** |
| --- | --- |
| Windows 8 Professional | NG4HW-VH26C-733KW-K6F98-J8CK4 |
| Windows 8 Professional N | XCVCF-2NXM9-723PB-MHCB7-2RYQQ |
| Windows 8 Enterprise | 32JNW-9KQ84-P47T8-D8GGY-CWCK7 |
| Windows 8 Enterprise N | JMNMF-RHW7P-DMY6X-RF3DR-X2BQT |
| Windows Server 2012 | BN3D2-R7TKB-3YPBD-8DRP2-27GG4 |
| Windows Server 2012 N | 8N2M2-HWPGY-7PGT9-HGDD8-GVGGY |
| Windows Server 2012 Single Language | 2WN2H-YGCQR-KFX6K-CD6TF-84YXQ |
| Windows Server 2012 Country Specific | 4K36P-JN4VD-GDC6V-KDT89-DYFKP |
| Windows Server 2012 Server Standard | XC9B7-NBPP2-83J2H-RHMBY-92BT4 |
| Windows Server 2012 MultiPoint Standard | HM7DN-YVMH3-46JC3-XYTG7-CYQJJ |
| Windows Server 2012 MultiPoint Premium | XNH6W-2V9GX-RGJ4K-Y8X6F-QGJ2G |
| Windows Server 2012 Datacenter | 48HP8-DN98B-MYWDG-T2DCC-8W83P |

## **Windows 7 and Windows Server 2008 R2**

| **Operating system edition** | **KMS Client Setup Key** |
| --- | --- |
| Windows 7 Professional | FJ82H-XT6CR-J8D7P-XQJJ2-GPDD4 |
| Windows 7 Professional N | MRPKT-YTG23-K7D7T-X2JMM-QY7MG |
| Windows 7 Professional E | W82YF-2Q76Y-63HXB-FGJG9-GF7QX |
| Windows 7 Enterprise | 33PXH-7Y6KF-2VJC9-XBBR8-HVTHH |
| Windows 7 Enterprise N | YDRBP-3D83W-TY26F-D46B2-XCKRJ |
| Windows 7 Enterprise E | C29WB-22CC8-VJ326-GHFJW-H9DH4 |
| Windows Server 2008 R2 Web | 6TPJF-RBVHG-WBW2R-86QPH-6RTM4 |
| Windows Server 2008 R2 HPC edition | TT8MH-CG224-D3D7Q-498W2-9QCTX |
| Windows Server 2008 R2 Standard | YC6KT-GKW9T-YTKYR-T4X34-R7VHC |
| Windows Server 2008 R2 Enterprise | 489J6-VHDMP-X63PK-3K798-CPX3Y |
| Windows Server 2008 R2 Datacenter | 74YFP-3QFB3-KQT8W-PMXWJ-7M648 |
| Windows Server 2008 R2 for Itanium-based Systems | GT63C-RJFQ3-4GMB6-BRFB9-CB83V |

## **Windows Vista and Windows Server 2008**

| **Operating system edition** | **KMS Client Setup Key** |
| --- | --- |
| Windows Vista Business | YFKBB-PQJJV-G996G-VWGXY-2V3X8 |
| Windows Vista Business N | HMBQG-8H2RH-C77VX-27R82-VMQBT |
| Windows Vista Enterprise | VKK3X-68KWM-X2YGT-QR4M6-4BWMV |
| Windows Vista Enterprise N | VTC42-BM838-43QHV-84HX6-XJXKV |
| Windows Web Server 2008 | WYR28-R7TFJ-3X2YQ-YCY4H-M249D |
| Windows Server 2008 Standard | TM24T-X9RMF-VWXK6-X8JC9-BFGM2 |
| Windows Server 2008 Standard without Hyper-V | W7VD6-7JFBR-RX26B-YKQ3Y-6FFFJ |
| Windows Server 2008 Enterprise | YQGMW-MPWTJ-34KDK-48M3W-X4Q6V |
| Windows Server 2008 Enterprise without Hyper-V | 39BXF-X8Q23-P2WWT-38T2F-G3FPG |
| Windows Server 2008 HPC | RCTX3-KWVHP-BR6TB-RB6DM-6X7HP |
| Windows Server 2008 Datacenter | 7M67G-PC374-GR742-YH8V4-TCBY3 |
| Windows Server 2008 Datacenter without Hyper-V | 22XQ2-VRXRG-P8D42-K34TD-G3QQC |
| Windows Server 2008 for Itanium-Based Systems | 4DWFP-JF3DJ-B7DTH-78FJB-PDRHK |