

Configure the keyboard mapping using scancode map

April 17, 2001 by [Snakefoot](#) | [11 Comments](#)

It is possible to change the behavior of the different keys on the keyboard by changing the scancode map. This can be used to disable the Windows-key so one is not thrown out of your favorite game, when by accident have pressed the wrong key.

The change the scancode map, so the Windows-key is disabled add/update this binary value:

```
REGEDIT4
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout]
"Scancode Map"=hex:00,00,00,00,00,00,00,00,03,00,00,00,00,00,5b,e0,00,00,5c,e0,\
00,00,00,00
```

For those who wants to know the meaning of the above values here goes:

00,00,00,00	Header: Version. Set to all zeroes.
00,00,00,00	Header: Flags. Set to all zeroes.
03,00,00,00	3 entries in the map (including null entry).
00,00,5b,e0	Left Windows Key (0xe05b) -> Disable (0x00).
00,00,5c,e0	Right Windows Key (0xe05c) -> Disable (0x00).
00,00,00,00	Null entry.

To also disable the Shutdown key, one would extend the Scancode Map, so it has 4 entries where the fourth entry becomes ACPI Power Key (0xe0f6) -> Disable (0x00):

```
REGEDIT4
```

```
[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout]
"Scancode Map"=hex:00,00,00,00,00,00,00,00,04,00,00,00,00,00,5b,e0,00,00,5c,e0,\
00,00,f6,e0,00,00,00,00
```

Note it is also possible to map the the Shutdown keyboard key to become Sleep shortcut by going to Control Panel -> Power Options -> Advanced Tab.

More Info [KeyTweak by Travis Krumsick](#)

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Updated: 3 March 2010

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Comments:



Steve

[28 July 2009 at 3:16](#)

Love it ... do you know how to assign multi keys to one key? EG push f10 to emulate ctl+alt+S??

Steve

[Reply](#)



Jim

[29 April 2010 at 14:36](#)

Best Explanantion of scancode map and how to read the HEX values of this registry string I have found on the www.

Thanks very much.

[Reply](#)



DRG

[24 January 2012 at 12:30](#)

Thanks for the info..! this can also be used for disabling print screen..!

[Reply](#)

**Washington**[3 August 2012 at 21:06](#)

I opened regedit and saw I don't have
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout in my
Windows XP Pro. What do I do? I don't want to disable the Windows key, just replace "/" to
"?".

[Reply](#)**polidoro**[10 October 2012 at 13:06](#)

And what about "\$" ? shift+4.....I need this for a software I use in my office. I´d like to
change shift+4 to other key without must to use shift. Thanks

[Reply](#)**GrapeDonaldson**[29 December 2016 at 19:18](#)

Didn't help. We use the pop-up keyboard and when we disable the Windows key, if you
press the Close button right after pressing the Windows Key, the Start Menu pops up, or if
you hit the Windows key twice, it behaves as if it wasn't disabled.

[Reply](#)**Timur Sungurtekin**[30 May 2017 at 19:15](#)

Hello could you please let me know how to correct a registry for the letter "u" which on my
keyboard, when typed brings an "a" letter. I suspect someone or a virus remapped my "u"
letter to an "a".

Thanks a lot for your help

[Reply](#)**Snakefoot**[30 May 2017 at 19:31](#)

The registry-key "Scancode Map" does not exist by default, so just check if it exists for
HKLM or HKCU. If it does, then just delete the key and restart.

**Timur**[30 May 2017 at 19:59](#)

Hi snakefoot , thanks for your answer. "Scancode Map" existed as I tried to correct the issue via a keymap SW, (remapping "u" to "u") I deleted it anyway as it didnt help bring back my "u", still typing "a". Also uninstalled / reinstalled keyboard drivers. That didnt help too... any ideas what could have caused this remap? Thanks!

[Reply](#)**Marc**[15 May 2019 at 2:58](#)

Thanks for the info. Very tough to find this stuff online. Question for you, if you are still paying attention to these comments... how do you get the scancode Map to implement without rebooting the system? I have a kiosk that I am trying to disable the ctrl-alt-del after 5 minutes... to give someone a chance to get in if needed. I can disable all these buttons, but the reboot is not desirable.

Thanks for posting this though... really helpful.

[Reply](#)**Herbert**[29 January 2020 at 21:18](#)

Great, but what of I need to use a key with a longer code, like AltGr+0, which is E0 1F 0B ???

How can I deal with that?

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博主，如果我想将CapsLock映射为左Ctrl，将shift+CapsLock映射为CapsLock怎么做呢？

--x93008dd
2. Re:交换Ctrl和Caps Lock键

博主，我想不明白為甚麼你要換這兩個鍵。當然你用的神器我不懂，但不妨分享給你我的快捷鍵大法：用左手掌內側掌紋處按左Ctrl，一切快捷鍵與打字指法無衝。這個指法對於用機械鍵盤的你來說不是問題，筆記本上就別...

--愛若Error
3. Re:eclipse启动时提示"Failed to load the jni shared library"

Thanks~

--丁远方
4. Re:UVa 10167 - Birthday Cake

但是题目中的【-500，500】前不是must n't吗？什么意思？

--不系之舟530
5. Re:Practice Round China New Grad Test 2014 报告

@ 1加1equal雨山恩，第一题的代码只是处理了连通图的情况，当时没考虑非连通

交换Ctrl和Caps Lock键

由于使用vim的缘故，就把Ctrl和Caps Lock键交换了，在ubuntu系统下使用系统设置可以很简单地进行全局替换。

在ubuntu下习惯了之后在window下就经常按错...后来决定也把windows的这两个键交换算了。于是就在网上搜索，就找到了这篇[文章](#)。实践后没问题，所以就记录一下了。虽然也有工具可以做到，不过鉴于这个方法也不是很麻烦，就懒得去下工具了。

下面摘录自[“Ctrl与Caps Lock键的交换”](#)。

直接在注册表中修改键位映射关系

注册表位置：[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Keyboard Layout] 如果没有此键，就新建一个

新建一个二进制值的Key，名叫：Scancode Map

输入如下的值：

00,00,00,00

00,00,00,00

03,00,00,00

3A,00,1D,00

1D,00,3A,00

00,00,00,00

前两行和最后一行，都是固定的，全部为0。第三行，表示你修改了几个键，其实我们只是改了两个键，不过最后那一行也要算进去，所以是3。

重点是在第四行和第五行。3A00，代表Caps Lock，1D00，代表Ctrl。这一行，意思即为，将Caps Lock映射为Ctrl

第五行，就不用说了，意思刚好相反。

修改完毕后，重新登录Windows即可生效！

下面附上各个键位值的参考：

- Escape 01 00
- Tab 0F 00
- Caps Lock 3A 00
- Left Alt 38 00
- Left Ctrl 1D 00
- Left Shift 2A 00
- Left Windows 5B E0
- Right Alt 38 E0
- Right Ctr 1D E0
- Right Shift 36 00
- Right Windows 5C E0
- Backspace 0E 00
- Delete 53 E0
- Enter 1C 00
- Space 39 00
- Insert 52 E0
- HOME 47 E0
- End 4F E0
- Num Lock 45 00
- Page Down 51 E0
- Page Up 49 E0
- Scroll Lock 46 00

--xiaobaibuhei

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posted @ 2014-03-27 20:21 xiaobaibuhei 阅读(9090) 评论(2) 编辑 收藏

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支持(0) 反对(0)
- #2楼 2019-09-14 21:43 x93008dd

博主，如果我想将CapsLock映射为左Ctrl，将shift+CapsLock映射为CapsLock/怎么做呢？

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