

windows

- [windows !\[\]\(1207edb9a08751d3d55970560645ed23_img.jpg\)](#)

Windows Key +X

⇧⇧"⇧⇧"⇧"control"

⇧⇧⇧⇧⇧⇧⇧⇧⇧⇧

⇧⇧⇧

1. Calc - ⇧⇧⇧
2. Explorer - ⇧⇧⇧⇧
3. Notepad - ⇧⇧⇧
4. osk - ⇧⇧⇧⇧

⇧⇧⇧

1. CleanMgr - ⇧⇧⇧⇧
2. cmd - ⇧⇧⇧⇧⇧ *
3. FsMgmt.msc - ⇧⇧⇧⇧
4. GpEdit.msc - ⇧⇧⇧⇧⇧
5. mrt - ⇧⇧⇧⇧⇧⇧
6. MsTsc - ⇧⇧⇧ * *
7. PowerShell - ⇧⇧⇧⇧⇧
8. RegEdit - ⇧⇧⇧⇧⇧ *
9. ResMon - ⇧⇧⇧⇧
10. sdclt - ⇧⇧⇧⇧ (Windows 7)
11. TaskMgr - ⇧⇧⇧⇧
12. TaskSchd.msc - ⇧⇧⇧⇧
13. WinVer - ⇧⇧ Windows

⇧⇧⇧

1. AppWiz.cpl - ⇧⇧⇧⇧⇧⇧⇧
2. CompMgmt.msc - ⇧⇧⇧⇧
3. control - ⇧⇧⇧ *
4. DevMgmt.msc - ⇧⇧⇧⇧ *
5. DiskMgmt.msc - ⇧⇧⇧⇧ *
6. DxDiag - DirectX ⇧⇧⇧
7. HdwWiz.cpl - ⇧⇧⇧⇧
8. MsInfo32 - ⇧⇧⇧
9. NetplWiz - ⇧⇧⇧⇧
10. ncpa.cpl - ⇧⇧⇧⇧ *
11. OptionalFeatures - ⇧⇧⇧⇧ Windows ⇧⇧
12. Services.msc - ⇧⇧
13. SysDm.cpl - ⇧⇧⇧
14. wf.msc - ⇧⇧⇧⇧⇧⇧ Windows ⇧⇧⇧

⇧⇧⇧⇧/⇧⇧

1. arp
2. IpConfig
3. net

4. NbtStat
5. NetStat
6. Nslookup
7. ping
8. route
9. shutdown
10. ssh
11. telnet

□□□□□

1. shell:AppData - □□□□□
 - shell:Local AppData - □□□□□
2. shell:AppUpdatesFolder - □□□□□
3. shell:ConnectionsFolder - □□□□
4. shell:ControlPanelFolder - □□□□□□
5. shell:Fonts - □□
6. shell:MyComputerFolder - □□□□/□□
7. shell:NetworkPlacesFolder - □□
8. shell:PrintersFolder - □□□
9. shell:Profile - □□□□□□ *
 - shell:Contacts - □□□
 - shell:Desktop - □□
 - shell:Downloads - □□
 - shell:Favorites - □□□□ (IE □□□)
 - shell:My Pictures - □□
 - shell:My Music - □□
 - shell:My Video - □□
 - shell:Personal - □□
10. shell:ProgramFiles - □□□□□□□
11. shell:Recent - □□□□□
12. shell:RecycleBinFolder - □□□□□
13. shell:SendTo - □□□□ *
14. shell:Start Menu - □□□□□
 - shell:Programs - □□□ (□□)
 - shell:Common Programs - □□□ (□□)
 - shell:Startup - □□ (□□)
 - shell:Common Startup - □□ (□□)
15. shell:System - System32 □□□
16. shell:Windows - Windows □□□□□
17. %AppData% - □□□□□□
18. %ProgramFiles% - □□□□□□□
19. %UserProfile% - □□□□□□□ *
20. %SystemDrive% - Windows □□□□
21. %SystemRoot% - Windows □□□□□
22. %Temp% - □□□□□
23. %WinDir% - Windows □□

WSL

```
wsl --shutdown
```

□□□□

Ctrl+Alt+Del Del End □□□□

Office

PowerPoint

□□□□□□

1. ?????? Windows ???
2. ????????? [??]????? [??]? (? Windows 7 ????? [??]???? [??]?)
3. ? [??] ??????? **regedit**?????? [??]?
4. ???????? PowerPoint ?????????????????????

PowerPoint 2016, 2019, Microsoft 365 PowerPoint

HKEY_CURRENT_USER\Software\Microsoft\Office\16.0\PowerPoint\Options

PowerPoint 2013

HKEY_CURRENT_USER\Software\Microsoft\Office\15.0\PowerPoint\Options

PowerPoint 2010

HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\PowerPoint\Options

PowerPoint 2007

HKEY_CURRENT_USER\Software\Microsoft\Office\12.0\PowerPoint\Options

PowerPoint 2003

HKEY_CURRENT_USER\Software\Microsoft\Office\11.0\PowerPoint\Options

5. ?? [??] ??????? [??] ?????? [??]?????? [DWORD (32 ??) ??]
6. ?? **ExportBitmapResolution**?????? Enter?
7. ????? **ExportBitmapResolution** ?????? [??] ?????? [??]?
8. ? [?? DWORD ?] ?????????? [??]?

9. ? [????] ??????????? **300**? ????????????



????	????????? x ???	????????? x ???	???????????????
50	500 x 375	667 x 375	50 DPI
96 (??)	960 x 720	1280 x 720	96 DPI
100	1000 x 750	1333 x 750	100 DPI
150	1500 x 1125	2000 x 1125	150 DPI
200	2000 x 1500	2667 x 1500	200 DPI
250	2500 x 1875	3333 x 1875	250 DPI
300	3000 x 2250	4000 x 2250	300 DPI



1. []Windows[]
2. [] > [] > []
3. []cmd[]

```
move c:\windows\system32\utilman.exe c:\windows\system32\utilman.exe.bak
copy c:\windows\system32\cmd.exe c:\windows\system32\utilman.exe
```

4. []

```
use net {Account} {Password}
```

5. []

```
net user {Account} /active:yes
```