Windows(   )

- description :
- author :
- email : dhan@repia.com
- lastupdate : 2020-04-02

/

- Windows server 2003
-                   (Event Viewer)
-

ID

6005 :   ,
6006 :
6008 :
6009 :   OS   ,   ,
4624 :
4647 :
12 :
13 :

cmd

TASKLIST

(   )

TASKKILL

- /f :   (,   )
- /im :   (   )   (: taskkill /f /im csrss.exe)
- /pid :   id   pid(   )   (: taskkill /f /pid 536)

https://trustall.tistory.com/31

tail

```
PS C:\Users> Get-Content ${      } -Wait -Tail 10
or
PS C:\Users> gc ${      } -Wait -Tail 10
```

Acronis True Image(   )

PPT   !

BATCH

PowerShell

PowerShell

```
PS C:\User> man or Get-Help       //              , alias
PS C:\User> clear                 //
PS C:\User> pwd or Get-Location   //
PS C:\User> explorer .            //
PS C:\User> ls or Get-ChildItem   //
PS C:\User> ls -name              //
PS C:\User> ls -force             //
PS C:\User> cd or Set-Location    //
PS C:\User> cd .
```

```
PS C:\User> cd ..
PS C:\User> cd ~
PS C:\User> cd -
PS C:\User> get-childitem -File -Filter "*.txt" -Recurse // Unix find
PS C:\User> get-command or gcm cmd.exe   // Unix which
PS C:\User> new-item new_file1.txt // touch
PS C:\User> cat new_file1.txt (             )
PS C:\User> echo "hello world" > new_file1.txt (new,         )
PS C:\User> echo "hello world" >> new_file1.txt (append,        )
PS C:\User> mkdir dir3/subdir1/subdir2
PS C:\User> cp file1 dir1/
PS C:\User> mv file1 dir1/
PS C:\User> rm dir1/ //
PS C:\User> rm dir2/ -Recurse
// Select-String                    ,
PS C:\User> select-string *.txt -pattern "world"
PS C:\User> select-string *, */* -pattern "world"
PS C:\User> select-string *, */* -pattern "world" -CaseSensitive  //

PS C:\User> $env:MY_DIR = "dir1"  //
PS C:\User> ls env:               //
PS C:\User> cd $env:MY_DIR        //
PS C:\User> $env:MY_DIR = ""      //
PS C:\User>
PS C:\User>
```

Util

Windows Terminal

Windows( )

WSL   Linux

[WSL   ( )](WSL)   [WSL   ( )](WSL)

0. WSL/   Windows >   >   > "Windows   "   > Windows   /

- "Linux   Windows   "
- "   "
-

1. Microsoft-Windows-Subsystem-Linux   (   )   (
   ,   )

```
PS C:\User> Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-
```

```
Windows-Subsystem-Linux

Path          :
Online        : True
RestartNeeded : False


WSL
PS C:\User> dism.exe /online /enable-feature /featurename:Microsoft-Windows-
Subsystem-Linux /all /norestart


PS C:\User> dism.exe /online /enable-feature
/featurename:VirtualMachinePlatform /all /norestart
```

2. Microsoft Store   ubuntu   (18.04LTS, 20.04.4 LTS)

```
1.          (   ) >
2.              (username, password(2 )), jurepi/ubuntu_12#$
//
3. $> sudo apt update && sudo apt upgrade
  2
//
4. $> sudo apt-get install build-essential gdb
5. $> sudo apt install neofetch
   $> neofetch
6. $> sudo apt install mc (   )
7. $> sudo apt install docker.io
8. $> sudo apt install python3-pip
9. $> pip3 install django
```

3. Visual Studio Code

```
 Remote - WSL
 C/C++ Intelisense, debuggind, and ....
```

4.

```
$> mkdir projects
$> cd projects
$> code .
```

WSL2

WSL1 vs WSL2(Hyper-V(   )   100%   KERNEL   )

Feature	WSL1	WSL2
Integration between Windows and Linux	⊠	⊠
Fast boot times	⊠	⊠
Small resource foot print	⊠	⊠
Manage VM	X	⊠

Feature	WSL1	WSL2
Full Linux Kernel	X	☒
Full system call compatibility	X	☒
Runs with current versions of VMWare and VirtualBox	☒	X
Performance across OS file systems	☒	X

Windows 10 Enterprise, Pro, Education　　　　　,　　　2004,　　　19041　　, CPU 64bit, VM　　　　　　　　　(Intel CPU　VT-c)　　　　　CPU (Bios　　　　　), 4G

WSL　　　　　　　(　　　)

```
//
PS C:\User> wsl -l -v
PS C:\User> wsl --set-version Ubuntu20.04LTS 2
```

Server

- Windows Server uptime

Windows10

- hosts
- Windows Update　　　　　　　　　　　　　　　　　　　　　　 - Windows 10 (gpedit.msc)
- 　　　10　　　　　　(BitLocker)　　　　　　　　.

-

PC

- 　　　10 CPU
-
- 　　　　　[　　　　　　　　　　] 2.8
-
-

- 　　　　　　　　　　　　　　(quick launch)

Windows7

(cmd)   utf-8

```
C:\     \repia> chcp 65001
Active code page: 65001
```

- V3   .
- KB4490628 `
- KB4474419

Tip

- 10   (window10, SMB1, \\   .   (-   )
- 10
- 10
- 10
- 10   -   ,   , Zoom

Troubleshooting

Term

WSL(Windows Subsystem for Linux)

Ref

- Windows 10 2004   .   .(WSL2)Windows SubSystem for Linux[OrangeStar]
- 10 WSL 2
- Linux Windows   Visual Studio Code

, eleven, windows, nt,   ,