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# **Windows Subsystem for Linux Guide Documentation**

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! Windows Subsystem for Linux (WSL)

, Kenneth Reitz : [wsl-guide](#)

, [GitHub fork](#) !

Windows Linux WSLBash on Ubuntu on Windows



## WSL?

WSL Window 10 Ubuntu

## WSL (Beta)

Please keep in mind that this is beta software. This means that any part of it is subject to change, as feedback is collected and improvements are made based on community feedback.

In fact, if you have any issues you run into you, you can [open a GitHub issue](#) with Microsoft to let them know about it!

Microsoft's [Creator's Update](#) includes some improvements to the WSL that are not included in the regular release of Windows yet. The biggest one being that you can launch Windows programs from WSL.





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### WSL (Bash on Ubuntu on Windows)

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Windows WSL

:

Windows

-> -> , “”

: **WSL**

, WSL

“Windows” “Windows Subsystem for Linux (Beta)”

: **Unix**

, WSL (Command Prompt) :

```
> bash
```

Window Linux

: ()

: **Linux !**



## CHAPTER 3

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### WSL

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### WSL

WSL Ubuntu (package) Ubuntu :

```
$ sudo apt-get update
$ sudo apt-get upgrade
```

### Ubuntu

Ubuntu (!):

```
$ sudo -S apt-mark hold procps strace sudo
$ sudo -S env RELEASE_UPGRADER_NO_SCREEN=1 do-release-upgrade
```

, !



### VIM

, WSL Vim ~/.vimrc:

```
$ cat ~/.vimrc
set term=builtin_ansi
```

### Sudo ‘Unable to Resolve Host’

You may notice that every time you run `sudo something`, your system complains that it cannot resolve its own hostname, but then continues on anyway. To fix this annoyance, you need to add your system’s hostname to `/etc/hosts`:

```
$ cat /etc/hosts
127.0.0.1 localhost
127.0.0.1 nova
...
```

Here, my machine is called ‘nova’.



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### : X Server

WSL , Windows X Server. [Xming](#).

### : DISPLAY

DISPLAY WSL X Server

~/.bashrc:

```
export DISPLAY=:0
```





## CHAPTER 6

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**shell**



## CHAPTER 7

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- genindex
- modindex
- search