Source: <https://hadoop.apache.org/docs/r1.2.1/single_node_setup.html>

Supported Modes:

1. Local Mode (Standalone) <= For Development
2. Pseudo - Distributed <= For Production
3. Fully - Distributed <= For Production

Install Prerequisites

1. Install Cygwin ->
2. Search "openssh" and install all packages
3. Search "openssl" and install all packages
4. Search "tcp\_wrapper" and install all packages
5. Search "diffutils" and install all packages
6. Click "Next" (may take a long time)
7. Run "Cygwin" Terminal

(Now I have a mini Linux on "C:\cygwin\home")

Install SSHD

1. "ssh-host-config"

* Query: Should privilege separation be used? (yes/no) yes
* Query: new local account 'sshd'? (yes/no) yes
* Query: (Say "no" if it is already installed as a service) (yes/no) yes
* Query: Enter the value of CYGWIN for the daemon: [] (leave it blank and Enter)
* Query: Do you want to use a different name? (yes/no) no
* Query: Create new privileged user account 'cyg\_server'? (yes/no) yes
* Query: Please enter the password: kfang

1. services.msc -> start the "CYGWIN sshd



1. "ssh-keygen"

* Enter file in which to save the key (/home/Kuinai/.ssh/id\_rsa): (Leave it blank and Enter)
* Enter passphrase (empty for no passphrase):

(Leave it blank and Enter)

Local Mode

1. Download and unpack Hadoop ("hadoop-2.3.0.tar.gz")
2. etc -> Hadoop -> "Hadoop-env.sh", edit "JAVA\_HOME" = "D:\Program Files\Java\jdk1.7.0\_17"

