

# Docker Install

- description : Docker CentOS RSA
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- lastupdate : 2022-11-10 Thu

가

- putty
- File Zilla FTP Client

가

## WSL v2

1. Window 'Microsoft Store'
2. Store Store
  - Windows Terminal, Ubuntu 22.xx.x
3. Ubuntu 22.xx.x install~~... 가
4. 'Microsoft Store' X
5. Window 'Windows PowerShell'
6. 'Windows PowerShell'

```
C:\Windows\system32> wsl.exe --install
C:\Windows\system32> wsl -l -v //
      WSL 가
      NAME      STATE      VERSION
      Ubuntu-22.04 Running    1
C:\Windows\system32> wsl --set-version Ubuntu-22.04 2 //
      WSL 2
C:\Windows\system32> wsl -l -v //WSL
      VERSION 2
      NAME      STATE      VERSION
      Ubuntu-22.04 Running    2
```

1. 'Windows PowerShell'
2. <https://www.docker.com/> 가
- 3.
4. 가 . SKIP 가
- 5.
6. Resources → WSL Integration → Enable integration with additional distros WSL2

Ubuntu가 .  
7. WSL2 Ubuntu가 'Windows PowerShell' .

## WSL PC(Docker Desktop) CentOS Container

1. Ubuntu .
2. .

```
hgkim@LAPTOP-266L93S4:~$ docker run -p 7100-7110:7100-7110/tcp -p 80:80 -p 8080:8080 -p 22:22 --privileged -d --name reins( )
centos:7.9.2009( OS - ) /sbin/init
// remote side unexpectedly closed network connection [Docker] Failed
to get D-Bus connection: Operation not permitted
hgkim@LAPTOP-266L93S4:~$ docker exec -it reins( ) /bin/bash
```

```
[root@60ecf6972a57 /]# yum update && yum install -y sudo
[root@60ecf6972a57 /]# yum install net-tools
[root@60ecf6972a57 /]# yum install -y libjpeg* libpng* freetype* gd-* gcc
gcc-c++ gdbm-devel libtermcap-devel
```

```
[root@60ecf6972a57 /]# yum install firewalld
//
[root@60ecf6972a57 /]# sudo systemctl start firewalld
//
[root@60ecf6972a57 /]# sudo firewall-cmd --permanent --add-port=22/tcp
//
[root@60ecf6972a57 /]# sudo firewall-cmd --permanent --add-port=80/tcp
//
[root@60ecf6972a57 /]# sudo firewall-cmd --permanent --add-port=8080/tcp
//
[root@60ecf6972a57 /]# sudo firewall-cmd --permanent --add-
port=7100-7110/tcp //
[root@60ecf6972a57 /]# firewall-cmd --reload
//
[root@60ecf6972a57 /]# firewall-cmd --list-port
//
```

# ssh

```
[root@60ecf6972a57 /]# yum -y install openssh-server openssh-clients
openssh-askpass      //ssh
[root@60ecf6972a57 /]# systemctl restart sshd.service
//
[root@60ecf6972a57 /]# vi /etc/ssh/sshd_config
//Port 22 :
[root@60ecf6972a57 /]# systemctl start sshd.service
//
[root@60ecf6972a57 /]# systemctl status sshd.service
//
```

# putty

```
[root@60ecf6972a57 /]# passwd
//putty      root
[root@60ecf6972a57 /]# adduser hgkim
//putty
[root@60ecf6972a57 /]# passwd  hgkim
//putty
```

# putty

1. putty

2. Host Name (or IP address) IP . - IP (window + R  
cmd . ipconfig IP .

3. Port 22 . ssh .

4. Open .

5. putty .

```
login as: root
root@192.168.xx.xxx's password:
Login~~~...

[root@60ecf6972a57 /]$ -mkdir /opt/search //search
```

1. RSA , tomcat, java .

2. File Zilla FTP Client .

3. putty (IP) (root) (  
root ) (22 ) .

4. - / - 가  
/opt/search/ .

5. RSA , tomcat, java ctrl .

6. /opt/search/ .

7. putty .

```
[root@60ecf6972a57 search]$ cd /opt/search/
//search
[root@60ecf6972a57 search]$ tar -zxvf .tar.gz //
[root@60ecf6972a57 search]$ ln -sn RSA RSA //
[root@60ecf6972a57 search]$ ln -sn tomcat tomcat9 //
[root@60ecf6972a57 search]$ ln -sn java java8 //
[root@60ecf6972a57 search]$ chown -R hgkim:hgkim * //
hgkim ( )
```

## RSA java

1. VI Ins —INSERT— 가 가 .
  2. ESC —INSERT— SHIFT+;
- 가
- o
    - q( , )
    - q!( )
    - wq( )
    -

```
INSTALL.PATH - ${RSA_ROOT}/
[root@60ecf6972a57 search]$ su - hgkim
//root hgkim ( )
[hgkim@60ecf6972a57 /]$ vi /opt/search/RSA/INSTALL.PATH //RSA
가 . ex)RSA /opt/search/
/PROJECT/kigam../RSA /opt/search/RSA
[hgkim@60ecf6972a57 /]$ cd /opt/search/RSA/bin
//RSA/bin RSA/bin/
[hgkim@60ecf6972a57 bin]$ vi rssAdmMgr.sh
//if cd
[hgkim@60ecf6972a57 bin]$ vi RSS_START.sh
//RSS_ROOT
[hgkim@60ecf6972a57 bin]$ vi RSS_STOP.sh
//RSS_ROOT
[hgkim@60ecf6972a57 bin]$ vi realRank.sh
//cd
[hgkim@60ecf6972a57 bin]$ vi LogDayProc.sh
//cd
[hgkim@60ecf6972a57 bin]$ vi acsctl.sh
//RSS_ROOT, JAVA_EXE AUTOCOMPLETE_PORT="7104"
[hgkim@60ecf6972a57 bin]$ cd ../conf
//RSA/conf
[hgkim@60ecf6972a57 conf]$ vi KLTdic.conf
//dicFilePath, newDicFilePath DicPort="7100"
```

```
[hgkim@60ecf6972a57 conf]$ vi install.conf
//installDir          rssPort1="7100",rssPort2="7101"
[hgkim@60ecf6972a57 conf]$ vi install.conf.xml
//installDir          rssPort1="7100",rssPort2="7101", host path=" IP
"
[hgkim@60ecf6972a57 conf]$ vi rssAdmMgr.conf
//IP:0.0.0.0, PORT:7103 . INSTALL_PATH
[hgkim@60ecf6972a57 conf]$ vi collsInfo.conf
// collection path
[hgkim@60ecf6972a57 conf]$ vi /opt/search/RSA/bin/html/WEB-
INF/classes/search.properties //search.path

[hgkim@60ecf6972a57 conf]$ vi /opt/search/RSA/db/h2/Linux/bin/dbStart.sh
//DBPORT=7102 DBPORT
[hgkim@60ecf6972a57 conf]$ vi /opt/search/RSA/db/h2/Linux/bin/dbStop.sh
//DBPORT=7102 DBPORT
```

## Web

```
[hgkim@60ecf6972a57 conf]$ cd /opt/search/tomcat9/webapps
// RSA
[hgkim@60ecf6972a57 webapps]$ ln -sn /opt/search/RSA/bin/html RSA
// RSA
[hgkim@60ecf6972a57 webapps]$ vi /opt/search/tomcat9/conf/server.xml
//server.xml          <host></host>          가. <!-- -->

    <Host name="localhost" appBase="webapps"
        unpackWARs="true" autoDeploy="true">
        <Context path="/RSA" docBase="RSA" debug="0" reloadable="true"
allowLinking="true" />
        <!-- SingleSignOn valve, share authentication between web
applications
        Documentation at: /docs/config/valve.html -->
        .....
    </Host>
[hgkim@60ecf6972a57 webapps]$ vi /opt/search/RSA/bin/html/index.jsp
//index.jsp          front          RSA
    <SCRIPT LANGUAGE="javascript">
        document.location = "/RSA/front/Search.jsp";
    </SCRIPT>
```

```
[hgkim@60ecf6972a57 webapps]$ cd /opt/search/RSA/bin
// /RSA/bin
[hgkim@60ecf6972a57 bin]$ ./RSS_START.sh
//
```

# WAS

```
[hgkim@60ecf6972a57 bin]$ cd /opt/search/tomcat9/bin
// /tomcat9/bin
[hgkim@60ecf6972a57 bin]$ ./catalina.sh start
//WAS
```

1. Cannot find /PROJECT/kigam.repia.com/SearchApp/tomcat9/bin/setclasspath.sh
  - tomcat9/bin/catalina.sh
2. `./startup.sh tomcat start.` `ps -ef | grep tomcat`  
tomcat 가  
◦ server.xml `<host></host>` 가  
`<Context path="/RSA" docBase="RSA" debug="0" reloadable="true"`  
`allowLinking="true" />` 가 .  
5 , Docker CentOS install, RSA

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Last update: 2022/11/11 18:25

