Docker Install

- description : Docker CentOS RSA
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- putty
- File Zilla FTP Client

WSL v2

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

```
C:\Windows\system32> wsl.exe --install
C:\Windows\system32> wsl -l -v                              //
         WSL                     .
            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/   .
3.   .   .
4.   . SKIP   .
5.   .
6. Resources → WSL Integration → Enable integration with additional distros   WSL2

Ubuntu   .
7. WSL2   Ubuntu   '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.   -   /   -
   /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—**   .
2.   **ESC**   **—INSERT—**   **SHIFT+;**

   ○
       ▪ q(,   )
       ▪ q!(   )
       ▪ wq(   )
       ▪

```
INSTALL.PATH - ${RSA_ROOT}/
[root@60ecf6972a57 search]$ su - hgkim
//root        hgkim      (        )            .
[hgkim@60ecf6972a57 /]$ vi /opt/search/RSA/INSTALL.PATH              //RSA
                    . 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>              . <!-- -->
      .
     <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
   - server.xml
     <Context path="/RSA" docBase="RSA" debug="0" reloadable="true"
     allowLinking="true" />   .

   5   , [Docker CentOS install](), [RSA]()