NeweggBox server installation guide

metadata service @AWS

2015/06/27 chihfang

1. **change to sudor**

* sudo su -

1. **Install java runtime**

* Download oracle-jdk
  + wget http://download.oracle.com/otn-pub/java/jdk/8u45-b14/jdk-8u45-linux-x64.rpm
* rpm -ivh jdk-8u45-linux-x64.rpm
* 修改/etc/bashrc增加
  + export JAVA\_HOME="/usr/java/jdk1.8.0\_45"
  + export PATH="$PATH:$JAVA\_HOME/bin"
* source /etc/bashrc
* alternatives --install /usr/bin/java java/usr/java/ jdk1.8.0\_45/jre/bin/java 20000
* alternatives --install /usr/bin/javac javac /usr/java/jdk1.8.0\_45/jre/bin/javac 20000
* alternatives --set java /usr/java/jdk1.8.0\_45/jre/bin/java
* alternatives --set javac /usr/java/jdk1.8.0\_45/jre/bin/javac

1. **install ap server**

* download jetty
  + wget <http://download.eclipse.org/jetty/9.2.11.v20150529/dist/jetty-distribution-9.2.11.v20150529.zip>
* unzip jetty-distribution-9.2.11.v20150529.zip @/opt/jetty
* 修改/etc/bashrc增加
  + export JETTY\_HOME="/opt/jetty"
  + export JAVA\_OPTIONS="-Xms256M -Xmx4096M -XX:MaxPermSize=256M" (-Xmx請視ram大小調整)

1. **setup database**

* CREATE DATABASE `neweggbox\_v3` DEFAULT CHARACTER SET utf8 DEFAULT COLLATE utf8\_general\_ci;

1. **install NeweggBOX metadata service**

* scp -r your neweggdbs\_service\_metadata\_java-0.0.1.war to your home directory
* rm -rf /opt/jetty/webapps/ROOT/\*
* unzip -o neweggdbs\_service\_metadata\_java-0.0.1.war -d /opt/jetty /webapps/ROOT

1. **setup NeweggBOX metadata service**

* vi /opt/jetty/webapps/ROOT/WEB-INF/database.properties修改如下

|  |
| --- |
| db.driverClass=com.mysql.jdbc.Driver  db.jdbcUrl=jdbc:mysql://rdsip:3306/neweggbox\_v3  db.user=rdsuser  db.password=rdspassword |

* vi /opt/ jetty /webapps/ROOT/WEB-INF/config.properties

|  |
| --- |
| http.proxy.enabled=false  dynamodb.accessKey=dynamodbaccesskey  dynamodb.secretKey=dynamodbsecretkey  dynamodb.region=dynamodbregion  sqs.accessKey=sqsaccesskey  sqs.secretKey=sqssecretkey  sqs.region=sqsregion  sqs.sso.queueName=SSO-DEV  dblocation.locationdb=location  dblocation.availabledb=availabledb  neweggbox.portal=webportal domain  sso.host=sso domian  sso.servcieName=box.service.prd  xmpp.host=xmpp ip  xmpp.port=5222  xmpp.pwd=xmpp password  gateway=gateway domain  mq.streamingQueueName=streaming-request  mq.readerQueueName=reader-request  mq.fullTextSearchQueueName=search\_engine\_QUEUE  mq.jobQueueName=package-request  mq.address=activemq ip  mq.port=8400  mq.user=  mq.pwd= |

1. **init NeweggBOX metadata database**

* mysql -h xxx -u xxx -p -D neweggbox\_v3 < dbdump.sql

1. **install python**

* wget <https://www.python.org/ftp/python/2.7.8/Python-2.7.8.tgz>
* tar zxvf Python-2.7.8.tgz
* cd Python-2.7.8
* ./configure
* make
* make install
* cd ..
* rm -rf Python-2.7.8
* wget <https://bootstrap.pypa.io/ez_setup.py>
* python ez\_setup.py

1. **init**

* easy\_install boto
* cd /opt/jetty/webapps/ROOT/WEB-INF/db\_init\_script
* 修改 dynamodb\_init.py

|  |
| --- |
| DYNAMODB\_ACCESS\_KEY = *"aws access key"*  DYNAMODB\_SECRET\_ACCESS\_KEY = *"aws secret key"*  DYNAMODB\_REGION = *"aws region"* |

* 修改simple\_data.csv (紅字部分改為資料庫資料)

|  |
| --- |
| host, port, instance, region, capacity, count  172.22.8.38, 3306, database, china, 5000, 0 |

* python dynamodb\_init.py

1. **startup ap server**

* cd /opt/jetty
* ./bin/jetty stop
* ./bin/jetty start (請勿使用restart)