龙芯 LoongArch 平台容器集成部署简要手册

一、服务器配置

品牌：海尔

处理器：双路龙芯3C5000L

内存：128G

操作系统：Linux 4.19.90-23.17.1.v2101.a.ky10.loongarch64

二、安装 docker

1. 修改操作系统源配置文件

修改：/etc/yum.repos.d/kylin_loongarch64.repo

[ks10-adv-os]

name = Kylin Linux Advanced Server 10 - Os

baseurl = http://loongarch:qwer1234QWER@update.cs2c.com.cn:8080/loongarch64/

gpgcheck = 0

enabled = 1

2. 使用命令 yum update 升级软件包。

3. 使用命令 yum install docker 安装 docker。

4. 使用命令 systemctl start docker 启动 docker。

5. 使用命令 docker info 测试 docker 是否启动成功。

三、配置 docker

1. 修改物理机 IP 地址

sh 0-set-docker-ip.sh

```
1 #!/bin/bash
2 docker run -id -m 8G --name="kylin-8g01-191" -p 192.168.0.191:80:80 -p
  192.168.0.191:8080:8080 -p 192.168.0.191:8081:8081 -p
  192.168.0.191:22:22 -p 192.168.0.191:9060:9060 -p
  192.168.0.191:2003:2003 -p 192.168.0.191:52009:52009 kylin-server-10-
  sp1-loongarch64-rc2:b060913.p01 /bin/bash
3 sleep 1
4 docker run -id -m 8G --name="kylin-8g02-192" -p 192.168.0.192:80:80 -p
  192.168.0.192:8080:8080 -p 192.168.0.192:8081:8081 -p
  192.168.0.192:22:22 -p 192.168.0.192:9060:9060 -p
  192.168.0.192:2003:2003 -p 192.168.0.192:52009:52009 kylin-server-10-
  sp1-loongarch64-rc2:b060913.p01 /bin/bash
5 sleep 1
6 docker run -id -m 16G --name="kylin-16g01-193" -p 192.168.0.193:80:80 -p
  192.168.0.193:8080:8080 -p 192.168.0.193:8081:8081 -p
  192.168.0.193:22:22 -p 192.168.0.193:9060:9060 -p
  192.168.0.193:2003:2003 -p 192.168.0.193:52009:52009
  shentong_347.3_loogson5000c:latest /bin/bash
7 sleep 1
8 docker run -id -m 16G --name="kylin-16g02-194" -p 192.168.0.194:80:80 -p
  192.168.0.194:8080:8080 -p 192.168.0.194:8081:8081 -p
  192.168.0.194:22:22 -p 192.168.0.194:9060:9060 -p
  192.168.0.194:2003:2003 -p 192.168.0.194:52009:52009
  shentong_347.3_loogson5000c:latest /bin/bash
9 sleep 1
10 docker run -id -m 16G --name="kylin-16g03-195" -p 192.168.0.195:80:80 -p
   192.168.0.195:8080:8080 -p 192.168.0.195:8081:8081 -p
   192.168.0.195:22:22 -p 192.168.0.195:9060:9060 -p
   192.168.0.195:2003:2003 -p 192.168.0.195:52009:52009 kylin-server-10-
   sp1-loongarch64-rc2:b060913.p01 /bin/bash
```

4. 查看容器

docker ps

5. 进入容器

docker exec -it kylin-8g01-191 /bin/bash

```
[root@9f36ccc0617b admin]# oscardb_OSRDBd start
bash: oscardb_OSRDBd: command not found
[root@9f36ccc0617b admin]# ./oscardb_OSRDBd start
Starting oscar -o normal -d OSRDB:
Database OSRDB startup success
[root@9f36ccc0617b admin]# pwd
/opt/ShenTong/admin
[root@9f36ccc0617b admin]#
```

2. 导入档案管理系统数据

osrimp -udacp/manager -h192.168.0.191 -p2003 -dosrdb level=schema

file=/root/zzz/dacp.osr log=/root/zzz/dacp.log mode=entirety ignore=false

schema=dacp constraint=true index=true fromuser=dacp touser=dacp

五、安装应用服务器中间件

1. 安装 tongweb

scp -r root@192.168.0.190:/root/zzz/tongweb/tongweb-cloud/tongweb /opt/

2. 配置 tongweb 端口号

cd /opt/tongweb/conf/

vi tongweb.xml

将 tong-http-listener 的端口号8088改为8080

```
ore-type="JKS"/>
            <protocol not-allow-HTTP-methods="TRACE,OPTIONS,HEAD,CONNECT,DELETE" async-timeout="10000" enable-lookups="false" max-header-c
ount="100" use-ipv-hosts="false" xpowered-by="false" backlog="100" accept-thread-count="1" connection-timeout="60000" keep-alive-timeout="6000
0" max-threads="2" min-spare-threads="1" processor-cache="200" tcp-no-delay="true" max-connections="10000" self-tuned="false">
                <property name="threadPriority" value="5"/>
            </protocol>
            <http-options compression="on" compressable-mime-type="text/html,text/plain,text/xml" compression-min-size="2048" no-compressi
on-user-agents="" disable-upload-timeout="true" max-http-header-size="8192" max-keep-alive-requests="100"/>
            <advance disable-keep-alive-percentage="75" selector-timeout="1000" usecomet="true" use-sendfile="true" oom-parachute="1048576
"/>
            <property name="server" value="webserver"/>
        </http-listener>
        <http-listener name="tong-http-listener" port="8080" io-mode="nio2" redirect-port="8443" uri-encoding="GBK" parse-body-methods="PO
ST" default-virtual-host="server" create-time="2019-10-29 10:54:11">
            <ssl/>
            <protocol not-allow-HTTP-methods="TRACE,OPTIONS,HEAD,CONNECT,DELETE,PUT"/>
            <http-options compression="off"/>
            <advance/>
            <property name="server" value="webserver"/>
        </http-listener>
        <property name="complete.message.timeout.seconds" value="0"/>
        <property name="max.attack.times" value="3"/>
        <property name="blacklist.expired.hours" value="12"/>
        <property name="interrupt.current.connect" value="true"/>
    </web-container>
    <security-service>
```

六、部署档案管理系统代码

scp -r root@192.168.0.190:/root/zzz/hdda /opt/tongweb/autodeploy/