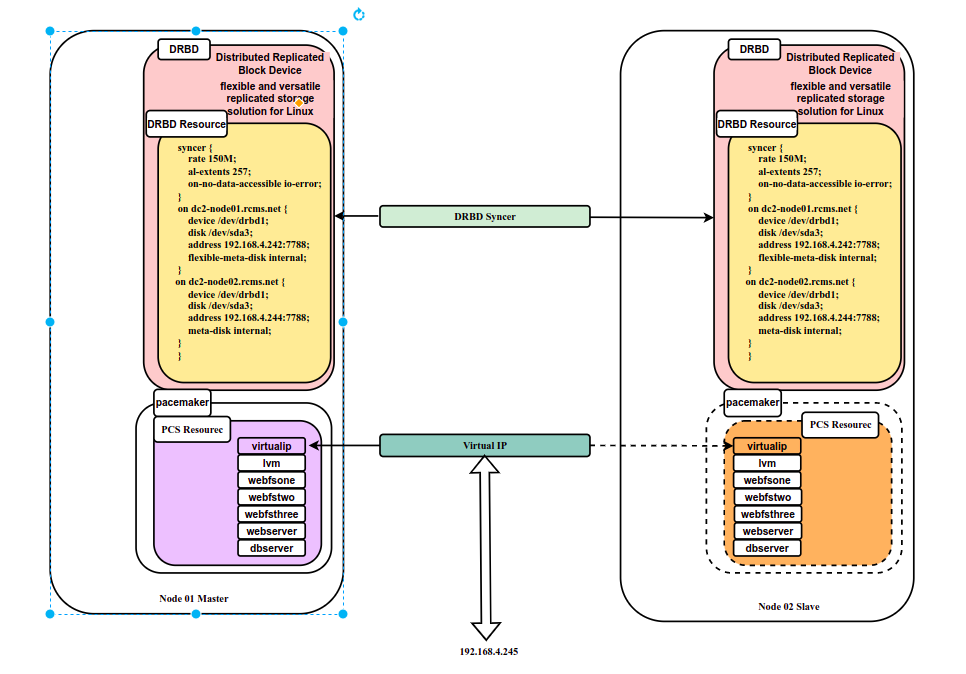
Linux Admin KT

Server List

|  |  |  |  |
| --- | --- | --- | --- |
| Server Hostname | IP Address | Usages | status |
| DC1 SERVERS | | | |
| dc1-node01.rcms.net | 192.168.1.241 | RCMS ERP | live |
| dc1-node02.rcms.net | 192.168.1.243 | RCMS ERP | live |
| server01.rcms.net | 192.168.1.135 | Host server | stopped |
| atmserver.rcms.net | 192.168.1.136 | RCMS Mail and sms notication server and old atm | live |
| test.rcms.net | 192.168.5.100 | Backup server and test BDS DB server | working |
| test.bds.net | 192.168.5.207 | Test server RCMS and BDS server | working |
| api.rcms.net | 192.168.5.204 | API server | live |
| bds1.rcms.net | 192.168.5.210 | BDS Server | live |
| DC2 SERVERS | | | |
| dc2-node01.rcms.net | 192.168.4.241 | BCP RCMS ERP | working |
| dc2-node02.rcms.net | 192.168.4.243 | BCP RCMS ERP | working |
| bds2.rcms.net | 192.168.4.212 | BCP BDS | working |

***RCMS (DC1 and DC2) SERVER Work Flow***

***Active-Passive DRBD PCS Cluster***



**Important information**

**The apache and mysql services are managed by the drbd pcs cluster. don't manually restart those services.**

**We are handling three projects on this server. Projects name in below.**

1) RCMS

2) Bill

3) Clientview

**RCMS database name, Document & Data path**

URL : http://192.168.1.245/RCMS

Database Name : *rcmsdata*

Apache Documnet Root path : */webdata/RCMS*

MySQL Data path : */mysql-drbd/data/rcmsdata*

**Bill database name, Document & Data path**

URL : http://192.168.1.245/bill

Database Name : *radiant*

Apache Documnet Root path : */webdata/bill*

*MySQL Data path : /mysql-drbd/data/radiant*

**Clientview database name, Document & Data path**

URL : http://192.168.1.245/clientview

Database Name : *rcmsdata*

Apache Documnet Root path : */webdata/clientview*

*MySQL Data path* : */mysql-drbd/data/rcmsdata*

DRBD Status check

===============

**[admin@dc2-node01 ~]$ cat /proc/drbd**

=============================

version: 8.4.11-1 (api:1/proto:86-101)

GIT-hash: 66145a308421e9c124ec391a7848ac20203bb03c build by mockbuild@, 2018-11-03 01:26:55

1: cs:Connected ro:Primary/Secondary ds:UpToDate/UpToDate C r-----

ns:165613303 nr:20303 dw:165634180 dr:20857893 al:34961 bm:0 lo:0 pe:0 ua:0 ap:0 ep:1 wo:f oos:0

PCS Status Check

=============

**[admin@dc2-node01 ~]$ sudo pcs status**

=============================

[sudo] password for admin:

Cluster name: radiantcluster

Stack: corosync

Current DC: dc2-node01.rcms.net (version 1.1.20-5.el7\_7.2-3c4c782f70) - partition with quorum

Last updated: Mon Jul 4 14:00:44 2022

Last change: Mon May 30 13:23:09 2022 by root via cibadmin on dc2-node02.rcms.net

2 nodes configured

9 resources configured

Online: [ dc2-node01.rcms.net dc2-node02.rcms.net ]

Full list of resources:

Master/Slave Set: drbd\_clusterdb\_clone [drbd\_clusterdb]

Masters: [ dc2-node01.rcms.net ]

Slaves: [ dc2-node02.rcms.net ]

Resource Group: radiantgroup

virtualip (ocf::heartbeat:IPaddr2): Started dc2-node01.rcms.net

lvm (ocf::heartbeat:LVM): Started dc2-node01.rcms.net

webfsone (ocf::heartbeat:Filesystem): Started dc2-node01.rcms.net

webfstwo (ocf::heartbeat:Filesystem): Started dc2-node01.rcms.net

webfsthree (ocf::heartbeat:Filesystem): Started dc2-node01.rcms.net

webserver (ocf::heartbeat:apache): Started dc2-node01.rcms.net

dbserver (ocf::heartbeat:mysql): Started dc2-node01.rcms.net

Daemon Status:

corosync: active/enabled

pacemaker: active/enabled

pcsd: active/enabled

PCS Cluster node change

==================

[admin@dc2-node01 ~]$ sudo pcs cluster standby dc2-node01.rcms.net

one by one stop service node01 to change running state node02

**[admin@dc2-node01 ~]$ sudo pcs cluster standby dc2-node01.rcms.net**

**[admin@dc2-node01 ~]$ sudo pcs status**

Cluster name: radiantcluster

Stack: corosync

Current DC: dc2-node01.rcms.net (version 1.1.20-5.el7\_7.2-3c4c782f70) - partition with quorum

Last updated: Mon Jul 4 14:00:44 2022

Last change: Mon May 30 13:23:09 2022 by root via cibadmin on dc2-node02.rcms.net

2 nodes configured

9 resources configured

Online: [ dc2-node01.rcms.net dc2-node02.rcms.net ]

Full list of resources:

Master/Slave Set: drbd\_clusterdb\_clone [drbd\_clusterdb]

Masters: [ dc2-node01.rcms.net ]

Slaves: [ dc2-node02.rcms.net ]

Resource Group: radiantgroup

virtualip (ocf::heartbeat:IPaddr2): stopped dc2-node01.rcms.net

lvm (ocf::heartbeat:LVM): stopped dc2-node01.rcms.net

webfsone (ocf::heartbeat:Filesystem): stopped dc2-node01.rcms.net

webfstwo (ocf::heartbeat:Filesystem): stopped dc2-node01.rcms.net

webfsthree (ocf::heartbeat:Filesystem): stopped dc2-node01.rcms.net

webserver (ocf::heartbeat:apache): stopped dc2-node01.rcms.net

dbserver (ocf::heartbeat:mysql): stopped dc2-node01.rcms.net

Daemon Status:

corosync: active/enabled

pacemaker: active/enabled

pcsd: active/enabled

**[admin@dc2-node02 ~]$ sudo pcs status**

Cluster name: radiantcluster

Stack: corosync

Current DC: dc2-node02.rcms.net (version 1.1.20-5.el7\_7.2-3c4c782f70) - partition with quorum

Last updated: Mon Jul 4 14:16:47 2022

Last change: Mon Jul 4 14:16:44 2022 by root via cibadmin on dc2-node02.rcms.net

2 nodes configured

9 resources configured

Node dc2-node01.rcms.net: standby

Online: [ dc2-node02.rcms.net ]

Full list of resources:

Master/Slave Set: drbd\_clusterdb\_clone [drbd\_clusterdb]

Masters: [ dc2-node02.rcms.net ]

Stopped: [ dc2-node01.rcms.net ]

Resource Group: radiantgroup

virtualip (ocf::heartbeat:IPaddr2): Started dc2-node02.rcms.net

lvm (ocf::heartbeat:LVM): Started dc2-node02.rcms.net

webfsone (ocf::heartbeat:Filesystem): Started dc2-node02.rcms.net

webfstwo (ocf::heartbeat:Filesystem): Started dc2-node02.rcms.net

webfsthree (ocf::heartbeat:Filesystem): Started dc2-node02.rcms.net

webserver (ocf::heartbeat:apache): Started dc2-node02.rcms.net

dbserver (ocf::heartbeat:mysql): Started dc2-node02.rcms.net

Daemon Status:

corosync: active/enabled

pacemaker: active/enabled

pcsd: active/enabled

**[admin@dc2-node01 ~]$ sudo pcs cluster unstandby dc2-node01.rcms.net**

Cluster name: radiantcluster

Stack: corosync

Current DC: dc2-node02.rcms.net (version 1.1.20-5.el7\_7.2-3c4c782f70) - partition with quorum

Last updated: Mon Jul 4 14:29:39 2022

Last change: Mon Jul 4 14:29:28 2022 by root via cibadmin on dc2-node01.rcms.net

2 nodes configured

9 resources configured

Online: [ dc2-node01.rcms.net dc2-node02.rcms.net ]

Full list of resources:

Master/Slave Set: drbd\_clusterdb\_clone [drbd\_clusterdb]

Masters: [ dc2-node02.rcms.net ]

Slaves: [ dc2-node01.rcms.net ]

Resource Group: radiantgroup

virtualip (ocf::heartbeat:IPaddr2): Started dc2-node02.rcms.net

lvm (ocf::heartbeat:LVM): Started dc2-node02.rcms.net

webfsone (ocf::heartbeat:Filesystem): Started dc2-node02.rcms.net

webfstwo (ocf::heartbeat:Filesystem): Started dc2-node02.rcms.net

webfsthree (ocf::heartbeat:Filesystem): Started dc2-node02.rcms.net

webserver (ocf::heartbeat:apache): Started dc2-node02.rcms.net

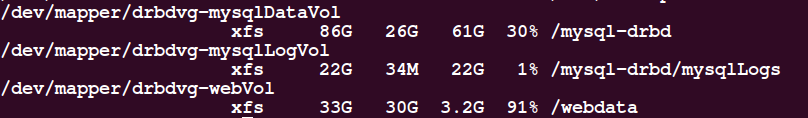
dbserver (ocf::heartbeat:mysql): Started dc2-node02.rcms.net

Daemon Status:

corosync: active/enabled

pacemaker: active/enabled

pcsd: active/enabled



**Before performing any hardware maintenance, you should shut down the DRBD PCs cluster.**

**=====================================================================**

**[admin@dc2-node01 ~]$ sudo pcs cluster stop --all**

**[admin@dc2-node01 ~]$ sudo pcs status**

**After hardware maintenance, you should be start DRBD PCs cluster.**

**====================================================**

**[admin@dc2-node01 ~]$ sudo pcs cluster start --all**

**Do the following steps if server temp folder is filled.**

**=====================================**

**Above 85% temp folder is full filled**

**cd /tmp** (Open the temp folder)

**ls -altrh | grep "G"**  ( listing files with sizes and GB Size filters )

**-rw------- 1 apache apache 2.1G Jul 4 14:18 phpXksXNn**

**[root@dc1-node02 tmp]# rm phpXksXNn** ( Remove big size file )

rm: remove regular file `phpXksXNn'? **Y**

**[root@dc1-node02 tmp]# lsof | grep phpXksXNn** ( find the Porcess ID in deleted file )

httpd 71965 apache 14u REG 252,0 2160542703 8734 /tmp/phpXksXNn (deleted)

**[root@dc1-node02 tmp]# kill -9 71965** (Kill the Process)

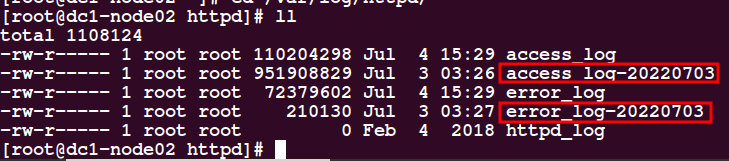
**Do the following steps if server var folder is filled.**

cd /var/log/httpd

Keep access and error logs for one week before file you should be delete .

Don't forget to leave the flowing name file (\*access log and error log) in place.

***Remove file like this access\_log-20220703 error\_log-20220703***



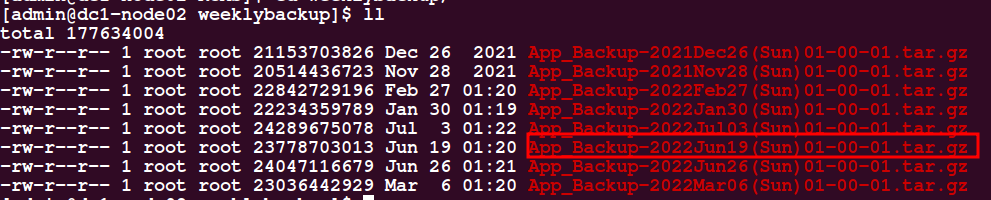
**Do the following steps if server mnt folder is filled.**

Open cd */mnt/backup/RCMS*

**

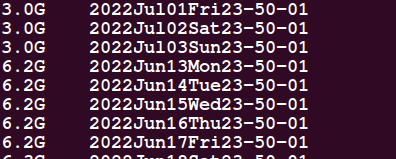
*In this floder mysql database hourly, daily and application backup in weeklybackup*

**Select weekly backup folder**

****

maintain three-month application backups, and each month's most recent backup is kept in this folder.

**Select dailymysqldb folder**



maintain six-month mysql database backups, and each month's most recent backup is kept in this folder.

**Do the following steps if server webdata folder is filled.**



Inform to your manager to remove same employee document in emp\_docs folder.



**Backup Script**

script path location



**Mysql daily Backup**

#!/bin/bash

TIMESTAMP=$(date +%Y%b%d%a%H-%M-%S)

BACKUP\_DIR="/mnt/backup/RCMS/dailymysqldb/$TIMESTAMP"

MYSQL\_USER=sqladmin

MYSQL\_PASSWORD="$password"

MYSQL=/usr/bin/mysql

MYSQLDUMP=/usr/bin/mysqldump

mkdir -p $BACKUP\_DIR

databases=`$MYSQL -u$MYSQL\_USER -p$MYSQL\_PASSWORD -e "SHOW DATABASES;" | grep -Ev "(Database|information\_schema|mysql|performance\_schema)"`

for db in $databases; do

echo $db

$MYSQLDUMP --user=$MYSQL\_USER -p$MYSQL\_PASSWORD --skip-lock-tables --quick --single-transaction --databases $db | gzip > "$BACKUP\_DIR/$db.gz"

done

**Mysql Hourly Backup**

#!/bin/bash

TIMESTAMP=$(date +%Y%b%d\(%a\)%H-%M-%S)

BACKUP\_DIR="/mnt/backup/RCMS/hourlymysqldb/$TIMESTAMP"

MYSQL\_USER=sqladmin

MYSQL\_PASSWORD="$password”

MYSQL=/usr/bin/mysql

MYSQLDUMP=/usr/bin/mysqldump

mkdir -p $BACKUP\_DIR

databases=`$MYSQL -u$MYSQL\_USER -p$MYSQL\_PASSWORD -e "SHOW DATABASES;" | grep -Ev "(Database|information\_schema|mysql|performance\_schema)"`

for db in $databases; do

echo $db

#$MYSQLDUMP --force --opt --user=$MYSQL\_USER -p$MYSQL\_PASSWORD --databases $db | gzip > "$BACKUP\_DIR/$db.gz"

$MYSQLDUMP --user=$MYSQL\_USER -p$MYSQL\_PASSWORD --skip-lock-tables --quick --single-transaction --databases $db | gzip > "$BACKUP\_DIR/$db.gz"

done

**Application Weekly Backup**

#!/bin/bash

#Use = Backup of Important Data

#START

TIME=`date +%Y%b%d\(%a\)%H-%M-%S` # This Command will add date in Backup File Name.

FILENAME=App\_Backup-$TIME.tar.gz # Here i define Backup file name format.

SRCDIR="/webdata" #Location of Important Data Directory (Source of backup).

DESDIR="/mnt/backup/RCMS/weeklybackup/" # Destination of backup file.

tar -cpzf $DESDIR/$FILENAME $SRCDIR

#END

**Clear Ram cache Memory**

#!/bin/bash

# clear ram cache

sync; echo 1 > /proc/sys/vm/drop\_caches

**NTP date update**

#!/bin/bash

# NTP Date Update

ntpdate 0.in.pool.ntp.org

**RCMS Cron List**

**Every node in the cluster should have the following configuration for cron**

#Mysql daily Backup

50 23 \* \* \* /bin/bash /var/scripts/mysqlbackup.sh

#Mysql Hourly Backup

00 13,17,22 \* \* \* /bin/bash /var/scripts/hr\_mysql.sh

#Application Weekly Backup

00 01 \* \* 7 /bin/bash /var/scripts/weeklybackup.sh

#Mysql Hourly Backup Remove

00 01 \* \* \* rm -rf /mnt/backup/RCMS/hourlymysqldb/\*

#Clear ErrorLog

\*/5 \* \* \* \* echo > /var/log/httpd/error\_log

\*/30 \* \* \* \* echo > /mysql-drbd/mysqlLogs/slow-queries.log

#system Monitering Information

\*/1 \* \* \* \* /bin/bash /var/node\_exporter/scipts/user\_count.sh

\*/30 \* \* \* \* /bin/bash /var/node\_exporter/scipts/systemd\_service.sh 2>/dev/null

# clear Ram Cache memeory

30 02 \* \* \* /bin/bash /var/scripts/clearcache.sh

# NTP update

01 22 \* \* \* /bin/bash /var/scripts/ntpupdate.sh

**You should have the cluster's single node's cron configured as follows.**

#Application Trigger

19 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/beat\_email\_alertd.php

40 23 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/client\_complete\_scb.php

12 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/daily\_beat.php

06 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/daily\_cust\_cust\_details.php

45 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/bds\_temptable\_burial.php

55 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/ce\_cih\_report.php #CE Report above 20 Lakhs

15 01 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/daily\_pickup\_report.php #Daily Total cash pickup and delivery

29 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/daily\_selected\_beat.php

29 01 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/export\_excel\_trans\_static.php

\*/30 \* \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/bds\_temptable\_delivery.php

#BDS Application trigger

36 00 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/daily\_missed\_report.php

#Yes Bank Report

02 23 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/yes\_bank\_total\_report.php

#Modification

##09 10-23/2,00 \* \* \* /usr/bin/curl http://192.168.1.245/clientview/icici\_text\_file\_modify\_new.php

##09 10-22/2 \* \* \* /usr/bin/curl http://192.168.1.245/clientview/icici\_text\_file\_modify\_new.php

# API ICICI

##00 \*/1 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/ApiOfSnorkelICICI.php

#% of Denomination Reports

00 04 02 1,4,7,10 \* /usr/bin/curl http://192.168.1.245/RCMS/monthly\_pickup\_report\_cron.php

#OTP CPIN With SMS

01 06 \* \* 0 /usr/bin/curl http://192.168.1.245/RCMS/otp\_cpin.php

01 07 \* \* 0 /usr/bin/curl http://192.168.1.245/RCMS/otp\_kot\_sms.php

##The HSBC's Instakart Services (ICICI) Transactions will be moved to ICICI Transactions##

30 \*/3 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/HscbToIcici.php

## clear unwanted data and keep last 20 days data in mobile app tmp tables

00 03 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/AutomisedTableClear.php

# To automate the current day CIH for all the CE's-Pan India based on checked transactions old link.

30 22 \* \* \* /usr/bin/curl http://192.168.1.245/RCMS/cron-new-ceload-update.php

# To automate the current day CIH for all the CE's-Pan India based on checked transactions new link.

45 22,04 \* \* \* /usr/bin/curl <http://192.168.1.245/RCMS/cron-checked-deposit-update.php>

**Server Slow find Scenario**

Calcualtenumber of connection in rcms server

sudo netstat -tapn | wc -l

sudo netstat -tapn | grep -i close | wc -l

sudo netstat -tapn | grep -i ESTABLISHED | wc -l

sudo netstat -tapn | grep -i Time | wc -l

sudo netstat -tapn | grep -i FIN | wc -l

sudo netstat -tapn | grep -i List |wc -l

sudo netstat -tapn | grep -i Last | wc -l



find The colse wait connection pid kill the those connection.

kill -9 $(netstat -tapn | grep -i close | awk '{print $7 }' | cut -d/ -f1)

****

**Find the slow queries**

cat /mysql-drbd/mysqlLogs/slow-queries.log

(ro)

tail -f /mysql-drbd/mysqlLogs/slow-queries.log

inform to manager and development team resolve slow queries.

**Kill sleep queries via php URL**

http://(use server ip loacl)/RCMS/sleep\_query\_test.php

example

<http://192.168.1.245/RCMS/sleep_query_test.php>

**MYSQL Monthy backup Process**

take permission before taking backup in your manager, keep recent last three month data in live table remaining data are moved to backup table.

Main tables : -

daily\_trans

daily\_collection

daily\_collectionmul

daily\_deposit

client\_complete

checked\_transactions

modify\_daily\_trans

cih\_current

you should be create backup table like this (livetablename\_backup\_alter\_2022)

example : -

daily\_trans\_backup\_alter\_2022

daily\_collection\_backup\_alter\_2022

daily\_collectionmul\_backup\_alter\_2022

daily\_deposit\_backup\_alter\_2022

client\_complete\_backup\_2022

checked\_transactions\_backup\_alter\_2022

modify\_daily\_trans\_backup\_2022

cih\_current\_backup\_alter\_2022

==================================================================

**##daily\_trans**

select count(\*) from daily\_trans where pickup\_date between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`daily\_trans\_backup\_alter\_2022` SELECT \* FROM `rcmsdata`.`daily\_trans` where pickup\_date between '2022-03-01' and '2022-03-31';

select count(\*) from daily\_trans\_backup\_alter\_2022 where pickup\_date between '2022-03-01' and '2022-03-31';

delete from daily\_trans where pickup\_date between '2022-03-01' and '2022-03-31';

**##daily\_collection**

select count(\*) from daily\_collection where coll\_date between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`daily\_collection\_backup\_alter\_2022` SELECT \* FROM `rcmsdata`.`daily\_collection` where coll\_date between '2022-03-01' and '2022-03-31';

select count(\*) from daily\_collection\_backup\_alter\_2022 where coll\_date between '2022-03-01' and '2022-03-31';

delete from daily\_collection where coll\_date between '2022-03-01' and '2022-03-31';

**##daily\_collectionmul**

select count(\*) from daily\_collectionmul where coll\_date between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`daily\_collectionmul\_backup\_alter\_2022` SELECT \* FROM `rcmsdata`.`daily\_collectionmul` where coll\_date between '2022-03-01' and '2022-03-31';

select count(\*) from daily\_collectionmul\_backup\_alter\_2022 where coll\_date between '2022-03-01' and '2022-03-31';

delete from daily\_collectionmul where coll\_date between '2022-03-01' and '2022-03-31';

**##daily\_deposit**

select count(\*) from daily\_deposit where dep\_date between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`daily\_deposit\_backup\_alter\_2022` SELECT \* FROM `rcmsdata`.`daily\_deposit` where dep\_date between '2022-03-01' and '2022-03-31';

select count(\*) from daily\_deposit\_backup\_alter\_2022 where dep\_date between '2022-03-01' and '2022-03-31';

delete from daily\_deposit where dep\_date between '2022-03-01' and '2022-03-31';

**##CLIENT VIEW**

SELECT COUNT(\*) FROM `client\_complete` WHERE `trans\_date` between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`client\_complete\_backup\_2022` SELECT \* FROM `rcmsdata`.`client\_complete` where trans\_date between '2022-03-01' and '2022-03-31';

select count(\*) from client\_complete\_backup\_2022 where trans\_date between '2022-03-01' and '2022-03-31';

delete from client\_complete where trans\_date between '2022-03-01' and '2022-03-31';

**##checked\_transactions**

New backup table : checked\_transactions\_backup\_alter

select count(\*) from `checked\_transactions` where `check\_date` between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`checked\_transactions\_backup\_alter\_2022` SELECT \* FROM `rcmsdata`.`checked\_transactions` where check\_date between '2022-03-01' and '2022-03-31';

select count(\*) from checked\_transactions\_backup\_alter\_2022 where check\_date between '2022-03-01' and '2022-03-31';

delete from checked\_transactions where check\_date between '2022-03-01' and '2022-03-31'; -

**##modify\_daily\_trans**

New backup table : modify\_daily\_trans\_backup

select count(\*) from `modify\_daily\_trans` where `update\_date` between '2022-01-01 00:00:00' and '2022-01-31 23:59:59';

INSERT INTO `rcmsdata`.`modify\_daily\_trans\_backup\_2022` SELECT \* FROM `rcmsdata`.`modify\_daily\_trans` where update\_date between '2022-01-01 00:00:00' and '2022-01-31 23:59:59';

select count(\*) from modify\_daily\_trans\_backup\_2022 where update\_date between '2022-01-01 00:00:00' and '2022-01-31 23:59:59';

delete from modify\_daily\_trans where update\_date between '2022-01-01 00:00:00' and '2022-01-31 23:59:59';

**##cih\_current**

**##New backup table : cih\_current\_backup\_alter**

select count(\*) from `cih\_current` where `dep\_date` between '2022-03-01' and '2022-03-31';

INSERT INTO `rcmsdata`.`cih\_current\_backup\_alter\_2022` SELECT \* FROM `rcmsdata`.`cih\_current` where dep\_date between '2022-03-01' and '2022-03-31';

select count(\*) from cih\_current\_backup\_alter\_2022 where dep\_date between '2022-03-01' and '2022-03-31';

delete from cih\_current where dep\_date between '2022-03-01' and '2022-03-31';

=====================================================================

**MYSQL daily backup Process**

automated backup done in everyday night 11:45 backup datas are saved in local server, dc2 server and san storage,

Storage Path :-

DC1 : ***/mnt/backup/RCMS/dailymysqldb***

DC2 : ***/mnt/DC2/DB (everyday night datas are sync from DC1 to DC2)***

SAN Storageand Test server : ***/AppAndDB/dailymysqlbackup/RCMS (everyday night datas are sync from DC1 to Test server)***

**APPLICATION Backup**

automated backup done in everyweek once 01 PM backup datas are saved in local server.

Storage Path :-

DC1: ***/mnt/backup/RCMS/weeklybackup***

automated backup done in everyday night 11:30 backup datas are sync from DC1 server to Dc2 server and san storage.

Storage Path :-

DC2: ***/webdata***

Storage server and Test server : ***/AppAndDB/Application/webdata***

**Employee Docments backup**

employee docments back 2015 to 2022

Storage server and Test server : ***/AppAndDB/totalbackup/allBackups/RCMS***

file name are in below:-

***emp\_docs***

***emp\_docs\_backup2021-2022***

***emp\_docs\_backupfull.tar.gz***

***emp\_docs\_backup\_nov\_2021***

***emp\_docs\_backup\_nov\_2021.tar.gz***

***emp\_docs\_old.tar.gz***

***EmpDocBackup2015-2019***

**MYSQL yearly backup Process**

Backup MYSQL from March through April each year to save in stotage server.

Path in Test server ***/AppAndDB/totalbackup/allBackups/RCMS***

file name are in below:-

***oldrcmsdata\_2012\_2013.gz***

***oldrcmsdata\_2013\_2014.gz***

***oldrcmsdata\_2014\_2015.gz***

***oldrcmsdata\_2015\_2016.gz***

***oldrcmsdata\_2016\_2017.gz***

***oldrcmsdata\_2017\_2018.gz***

***rcmsdata-2017March01-2018March31.gz***

***rcmsdata-2018-2019.gz***

***rcmsdata\_livetable\_2019march\_2020April.gz***

***rcmsdata2020March\_2021April.gz***

***rcmsdata2021-2022March***

**Domain Details**

We registered our scanslips domain on Godaddy.

Godaddy login details below.

**username**: 216474990

**password**: R8di8nt@$

We utilise several domains for your organisation.

Domain name are in below

***scanslips.in***

***radiantcms.in***

***radianterp.in***

***rcmserp.com***

***rcmserp.in***

**The mobile application Sandesh is using the two subdomains or URLs below.**

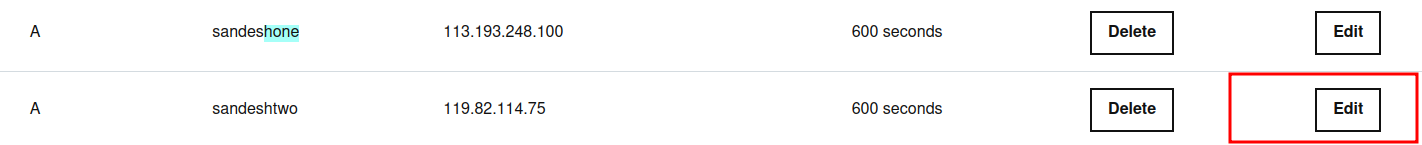
http://sandeshone.scanslips.in

http://sandeshtwo.scanslips.in

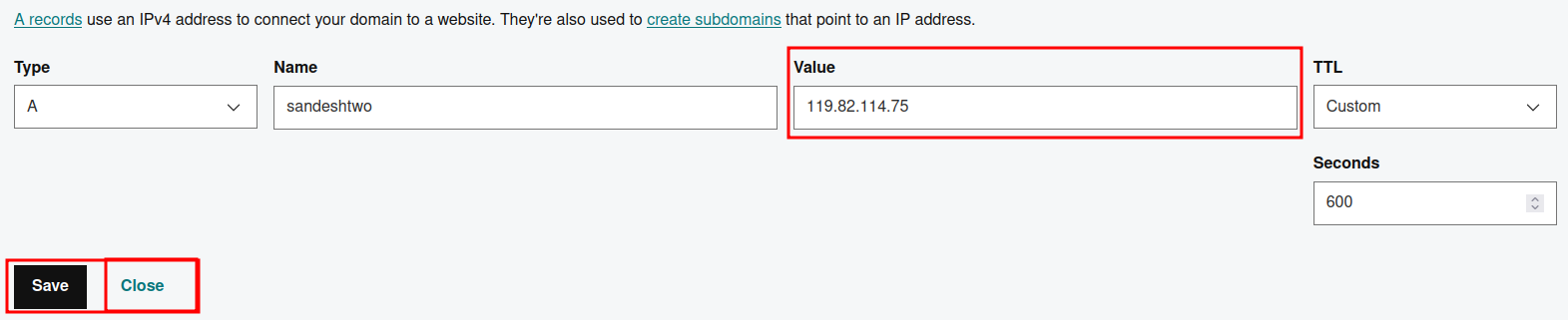
**our Customers utilising the URL below**

http://clientview.scanslips.in

****

****

***Next step : change the hosting server ip address***



**RCMS BCP WORK FLOW**

Start At 11:30 PM

1) Turn off the firewall rules for both the DC1 and DC2 RCMS ERP servers. Disable crontab from DC1 server.

2) copy the application DC1 to DC2 server document root path. Use below script

dc2-node02.rcms.net

/var/scripts/application\_data\_move\_DC1\_to\_DC2.sh

#!/bin/bash

#RCMS Application data move to DC1 to DC2

for i in "RCMS" "clientview" "bill"; do

sshpass -p "GvRJNkQG5H59E6Dy" rsync -e "ssh -o StrictHostKeyChecking=no" -avzpP --delete datatx@192.168.1.245:/webdata/$i/\* /webdata/$i

done

3) change webdata file and folder permission.

webdata

========

drwxrwxr-x 16 datatx datatx 4096 Dec 19 2019 bill

drwxrwxr-x 18 datatx datatx 8192 Oct 29 15:40 clientview

drwxrwxr-x 79 datatx datatx 32768 Nov 13 16:27 RCMS

RCMS

====

drwxrwxrwx 2 apache apache 45056 Nov 16 01:37 emp\_doc | #!/bin/bash

drwxrwxrwx 2 apache apache 5967872 Nov 16 11:35 emp\_docs | for i in "emp\_doc" "emp\_docs" "Excel" "HRMS\_Files"; do

drwxrwxrwx 2 apache apache 2027520 Nov 16 13:09 Excel | chown apache:apache -R $i

drwxrwxrwx 5 apache apache 84 Nov 16 2016 HRMS\_Files | done

clientview | #!/bin/bash

=========== | for i in "modify\_output" "tmp"; do

drwxrwxrwx 2 apache apache 188416 Nov 16 14:00 modify\_output | chown apache:apache -R $i

drwxrwxrwx 2 apache apache 8192 Nov 15 14:06 tmp | done

bill |

===== | chown apache:apache -R Excel

drwxrwxrwx 3 apache apache 4096 Nov 4 09:30 Excel |

4) copy database backup DC1 to DC2

scp /mnt/backup/RCMS/”$dbbackupname” admin@192.168.4.245:/mnt/backup/RCMS/

gunzip rcmsdata.gz

5) login to mysql

mysql -u sqladmin -p

use rcmsdata;

source /mnt/backup/RCMS/”$dbbackupname” /rcmsdata

use radiant;

source /mnt/backup/RCMS/”$dbbackupname” /radiant

6) Enable the crontab

**Every node in the cluster should have the following configuration for cron**

#Mysql daily Backup

50 23 \* \* \* /bin/bash /var/scripts/mysqlbackup.sh

#Mysql Hourly Backup

00 13,17,22 \* \* \* /bin/bash /var/scripts/hr\_mysql.sh

#Application Weekly Backup

00 01 \* \* 7 /bin/bash /var/scripts/weeklybackup.sh

#Mysql Hourly Backup Remove

00 01 \* \* \* rm -rf /mnt/backup/RCMS/hourlymysqldb/\*

#Clear ErrorLog

\*/5 \* \* \* \* echo > /var/log/httpd/error\_log

\*/30 \* \* \* \* echo > /mysql-drbd/mysqlLogs/slow-queries.log

#system Monitering Information

\*/1 \* \* \* \* /bin/bash /var/node\_exporter/scipts/user\_count.sh

\*/30 \* \* \* \* /bin/bash /var/node\_exporter/scipts/systemd\_service.sh 2>/dev/null

# clear Ram Cache memeory

30 02 \* \* \* /bin/bash /var/scripts/clearcache.sh

# NTP update

01 22 \* \* \* /bin/bash /var/scripts/ntpupdate.sh

**You should have the cluster's single node's cron configured as follows.**

#Application Trigger

19 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/beat\_email\_alertd.php

40 23 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/client\_complete\_scb.php

12 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/daily\_beat.php

06 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/daily\_cust\_cust\_details.php

45 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/bds\_temptable\_burial.php

55 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/ce\_cih\_report.php #CE Report above 20 Lakhs

15 01 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/daily\_pickup\_report.php #Daily Total cash pickup and delivery

29 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/daily\_selected\_beat.php

29 01 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/export\_excel\_trans\_static.php

\*/30 \* \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/bds\_temptable\_delivery.php

#BDS Application trigger

36 00 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/daily\_missed\_report.php

#Yes Bank Report

02 23 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/yes\_bank\_total\_report.php

#Modification

##09 10-23/2,00 \* \* \* /usr/bin/curl http://192.168.4.245/clientview/icici\_text\_file\_modify\_new.php

##09 10-22/2 \* \* \* /usr/bin/curl http://192.168.4.245/clientview/icici\_text\_file\_modify\_new.php

# API ICICI

##00 \*/1 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/ApiOfSnorkelICICI.php

#% of Denomination Reports

00 04 02 1,4,7,10 \* /usr/bin/curl http://192.168.4.245/RCMS/monthly\_pickup\_report\_cron.php

#OTP CPIN With SMS

01 06 \* \* 0 /usr/bin/curl http://192.168.4.245/RCMS/otp\_cpin.php

01 07 \* \* 0 /usr/bin/curl http://192.168.4.245/RCMS/otp\_kot\_sms.php

##The HSBC's Instakart Services (ICICI) Transactions will be moved to ICICI Transactions##

30 \*/3 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/HscbToIcici.php

## clear unwanted data and keep last 20 days data in mobile app tmp tables

00 03 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/AutomisedTableClear.php

# To automate the current day CIH for all the CE's-Pan India based on checked transactions old link.

30 22 \* \* \* /usr/bin/curl http://192.168.4.245/RCMS/cron-new-ceload-update.php

# To automate the current day CIH for all the CE's-Pan India based on checked transactions new link.

45 22,04 \* \* \* /usr/bin/curl [http://192.168.4.245/RCMS/cron-checked-deposit-update.php](http://192.168.1.245/RCMS/cron-checked-deposit-update.php)

add daily application and db data move command.. 12:30

following server api, dbs, and atm, change server ip from DC1 to DC2.

ATM server

/var/www/html/RCMS/RcmsGetservicesForEmailNotification.php

BDS Server

/var/www/html/BDS/bds\_update\_data\_burial.php |

|Disable this cron also befor daily\_beat and backup

/var/www/html/BDS/bds\_get\_data.php |

change bds server crontable

#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable.php |

#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable\_static.php |

Uncommand this add DC2 ip

\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable.php

\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable\_static.php

change rcms server ip address and in following subdomains

DC1

***sandeshone.scanslips.in 119.82.114.75***

***sandeshtwo.scanslips.in 113.193.248.100***

**clientview.scanslips.in 210.18.134.163**

DC2

***sandeshone.scanslips.in 111.93.12.250***

***sandeshtwo.scanslips.in 125.99.157.10***

**clientview.scanslips.in 113.193.19.66**

Daily morning RCMS ERP server and BDS server are in sync with the following tables.

- hrms\_empdet

- radiant\_ce

- cust\_details

- client\_details

- location\_master

- radiant\_location

Please run the MySQL query below every morning in BCP.

RCMS SERVER

"mysqldump -u {{ username }} {{ database }} -p{{ password }} {{ item }} > {{ \_rcms\_directory }}/{{ item }}.sql"

BDS SERVER

"mysql {{ restore\_databasename }} < {{ \_bdsserver\_directory }}/{{ item }}.sql"

mysqldump -u sqladmin -p”$password” rcmsdata hrms\_empdet > hrms\_empdet.sql

mysqldump -u sqladmin -p”$password” rcmsdata radiant\_ce > radiant\_ce.sql

mysqldump -u sqladmin -p”$password” rcmsdata cust\_details > cust\_details.sql

mysqldump -u sqladmin -p”$password” rcmsdata client\_details > client\_details.sql

mysqldump -u sqladmin -p”$password” rcmsdata location\_master > location\_master.sql

mysqldump -u sqladmin -p”$password” rcmsdata radiant\_location > radiant\_location.sql

**Restore those tables**

Copy to move above dump table from RCMS to BDS

scp /mnt/backup/RCMS/table/\* 192.168.5.210:/backup/dc/

mysql -u root bds\_rcms < hrms\_empdet.sql

mysql -u root bds\_rcms < radiant\_ce.sql

mysql -u root bds\_rcms < cust\_details.sql

mysql -u root bds\_rcms < client\_details.sql

mysql -u root bds\_rcms < location\_master.sql

mysql -u root bds\_rcms < radiant\_location.sql

**BDS SERVER**

**Important information**

**The apache and MySQL services are manually managed. Take a backup of MySQL database, and if necessary, restart the MySQLservice.**

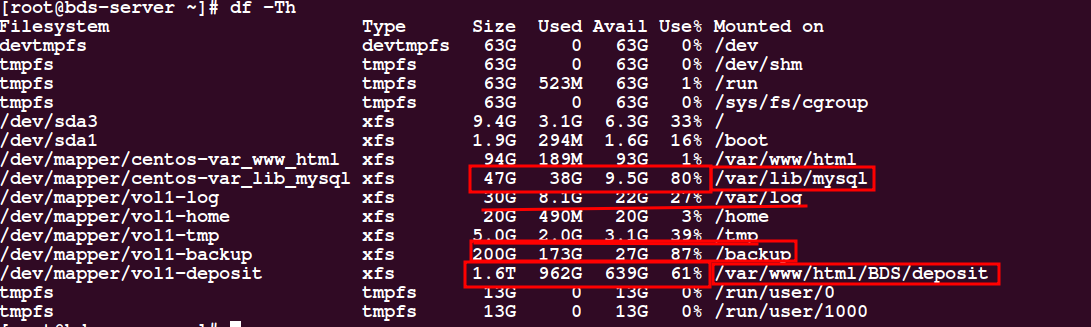
**Apache Documnet Root path : */var/www/html/BDS***

**Scanslips path : */var/www/html/BDS/deposit***

**MySQL Data path : */var/lib/mysql/bds\_rcms***

**Check Disk Useages**

**df -TH**



**Do the following steps if server temp folder is filled.**

**Above 85% temp folder is full filled**

**cd /tmp/systemd-private-31e462ecaf9949fd9f4c628e0931ce27-httpd.service-Hte54V/tmp** (Open the temp folder)

**ls -altrh | grep "G"**  ( listing files with sizes and GB Size filters )

**-rw------- 1 apache apache 2.1G Jul 6 13:34 phpxltmpa**

**rm phpxltmpa** ( Remove big size file )

rm: remove regular file `phpxltmpa'? **Y**

**lsof | grep phpxltmpa** ( find the Porcess ID in deleted file )

httpd 83754 apache 10u REG 202,0 3278342703 9853 **/**tmp/systemd-private-31e462ecaf9949fd9f4c628e0931ce27-httpd.service-Hte54V/tmp /phpxltmpa (deleted)

**kill -9 83754**

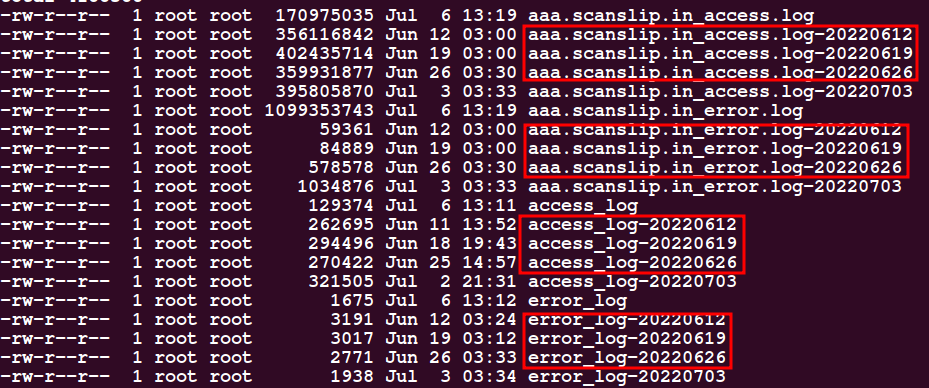
**Do the following steps if server /var/log folder is filled.**

**cd /var/log/httpd**

Keep access and error logs for one week before file you should be delete .

Don't forget to leave the flowing name file (\*access\_log, error\_log, aaa.scanslip.in\_access.log, aaa.scanslip.in\_error.log, scanslip.in\_access.log, scanslip.in\_error.log and ssl\_access\_log, ssl\_error\_log, ssl\_request\_log) in place.

***Remove file like this: - access\_log-20220619, error\_log-20220619, aaa.scanslip.in\_access.log-20220619, aaa.scanslip.in\_error.log-20220619, scanslip.in\_access.log-20220619, scanslip.in\_error.log-20220619 and ssl\_access\_log-20220619, ssl\_error\_log-20220619, ssl\_request\_log-20220619***

******

**Do the following steps if BDS server deposit folder is filled.**



Inform to your manager to get approved remove some old date scanslips images folders , kindly maintain latest one year scans lips image in bds server.

**Backup Script**

script path location

**Mysql backup script**

*#!/bin/bash*

*TIMESTAMP=$(date +%Y%m%d)*

*BACKUP\_DIR="/backup/BDSMySQLBackup/$TIMESTAMP"*

*mkdir -p $BACKUP\_DIR*

*mysqldump --skip-lock-tables --databases bds\_rcms --quick --single-transaction | gzip > "$BACKUP\_DIR/bds\_rcms.gz"*

**Application backup script**

*#!/bin/bash*

*TIMESTAMP=$(date +%Y%b%d\(%a\)%H-%M-%S)*

*BACKUP\_DIR="/backup/BDSApp/$TIMESTAMP"*

*mkdir -p $BACKUP\_DIR*

*cd /var/www/html/*

*tar --exclude="BDS/deposit/\*" -cvzpf /$BACKUP\_DIR/BDS.tgz BDS/*

*exit*

**Clear Ram cache Memory**

*#!/bin/bash*

*# clear ram cache*

*sync; echo 1 > /proc/sys/vm/drop\_caches*

**NTP date update**

*#!/bin/bash*

*# NTP Date Update*

*ntpdate 0.in.pool.ntp.org*

**BDS Cron List**

**Every nodes should have the following configuration for cron**

**#MySQL Backup every day 11.59PM**

59 23 \* \* \* /bin/bash /var/scripts/mysql\_backup1.sh

**#Application Backup every sunday 12.00AM**

00 00 \* \* Sun /bin/bash /var/scripts/app\_backup.sh

**# Deposit data move to NAS at 02.00AM**

#00 02 \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/deposit/\* admin@192.168.5.254:/data/BDS\_IMG/

**#Deposit data move to san 02.00AM**

00 02 \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/deposit/\* admin@192.168.5.204:/RADMUS/

**## clear ramcache memory**

00 \*/3 \* \* \* /bin/bash /var/scripts/clearcache.sh

00 14 \* \* \* /bin/bash /var/scripts/clearcache.sh

**# NTP update**

00 04 \* \* \* /bin/bash /var/scripts/ntpupdate.sh

**#Data Sync with every 30Min to Bdsserver2**

#\*/30 \* \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/\* lucifer@180.151.48.125:/var/www/html/BDS/

#\*/30 \* \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/\* lucifer@192.168.4.212:/var/www/html/BDS/

\*/30 \* \* \* \* /usr/bin/rsync -avzp --exclude 'deposit' /var/www/html/BDS/\* lucifer@192.168.4.212:/var/www/html/BDS/

#\*/30 \* \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/deposit/\* lucifer@192.168.4.212:/var/www/html/BDS/deposit/

**##Data sync 2022**

\*/30 \* \* \* \* /usr/bin/rsync -avzp --exclude '202201\*' /var/www/html/BDS/deposit/2022\* lucifer@192.168.4.212:/var/www/html/BDS/deposit/

\*/30 \* \* \* \* /usr/bin/rsync -avzp /var/www/html/sftp/\* lucifer@192.168.4.212:/var/www/html/sftp/

**## DC1 server ##**

\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable.php

\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable\_static.php

**### BCP ## DC2 server ##**

#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable.php

#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable\_static.php

\*/30 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.5.210/BDS/bds\_update\_data\_burial.php

\*/30 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.5.210/BDS/bds\_get\_data.php

50 23 \* \* \* echo > /var/log/bds\_get\_data\_log.log

52 23 \* \* \* echo > /var/log/bds\_temptable\_log.log

53 23 \* \* \* echo > /var/log/mysql\_general.log

54 23 \* \* \* echo > /var/log/mysql\_slow\_queries.log

05 23 \* \* \* echo > /var/log/httpd/aaa.scanslip.in\_error.log

10 23 \* \* \* echo > /var/log/httpd/scanslip.in\_error.log

#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://182.156.227.180/RCMS/bds\_temptable.php

#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://182.156.227.180/RCMS/bds\_temptable\_static.php

**MYSQL daily backup Process**

automated backup done in everyday night 11:50 backup datas are saved in local server, dc2 server and san storage,

maintain six-month mysql database backups, and each month's most recent backup is kept in this folder.

Storage Path :-

DC1-BDS1 : ***/backup/BDSMySQLBackup***

SAN Storageand Test server : /AppAndDB/dailymysqlbackup/BDS ***(everyday night datas are sync from DC1-BDS1 to Test server)***

**APPLICATION Backup**

automated backup done in everyweek once 01 PM backup datas are saved in local server.

Storage Path :-

DC1-BDS1: ***/backup/BDSApp***

automated backup done in every 30 minutes webdata and scanslips datas are sync from DC1-BDS1 server to DC2-BDS2 server and everyday night 2 AM san storage.

Storage Path :-

**Apache Documnet Root path : */var/www/html/BDS***

***Scanslips path : /var/www/html/BDS/deposit (\*****recent three months datas* ***)***

***scanslips or deposit path in storage server***

***NAS***

***Path /data/BDS\_IMG 20180427 to 20201231***

***sanstorage mount in API server***

***Path /RADMUS 202101 to till date***

**MYSQL yearly backup Process**

Backup MYSQL from January through December each year to save in stotage server.

Path in Test server /AppAndDB/totalbackup/allBackups/BDS

**Main tables : -**

daily\_trans

dep\_scan\_trans

***you should be create backup table like this (livetablename\_backup\_alter\_2021)***

***example : -***

daily\_trans\_backup\_alter\_2021

dep\_scan\_trans\_backup\_alter\_2021

SELECT count(\*) FROM `daily\_trans` WHERE pickup\_date BETWEEN '2021-01-01' and '2021-12-31' ;

INSERT INTO `bds\_rcms`.`daily\_trans\_backup\_alter\_2021` SELECT \* FROM `bds\_rcms`.`daily\_trans` where pickup\_date between '2021-01-01' and '2021-12-31' ;

DELETE FROM `daily\_trans` WHERE pickup\_date BETWEEN '2021-01-01' and '2021-12-31' ;

SELECT count(\*) FROM `daily\_trans\_backup\_alter\_2021` WHERE pickup\_date BETWEEN '2021-01-01' and '2021-12-31' ;

SELECT count(\*) FROM `dep\_scan\_trans` WHERE pickup\_date BETWEEN '2021-01-01' and '2021-12-31' ;

INSERT INTO `bds\_rcms`.`dep\_scan\_trans\_backup\_alter\_2021` SELECT \* FROM `bds\_rcms`.`dep\_scan\_trans` where pickup\_date between '2021-01-01' and '2021-12-31' ;

DELETE FROM `dep\_scan\_trans` WHERE pickup\_date BETWEEN '2021-01-01' and '2021-12-31' ;

SELECT count(\*) FROM `dep\_scan\_trans\_backup\_alter\_2021` WHERE pickup\_date BETWEEN '2021-01-01' and '2021-12-31' ;

**file name are in below:-**

* ***2019***
* ***2020Sep08***
* ***2020Sep09***
* ***20210407***
* ***20210725***
* ***BDS\_DATA\_FROM\_2020FEB\_TO\_2021OCT10***
* ***BDS\_DATA\_FROM\_2021Jan\_TO\_2021Des***
* ***2021(\*****This folder have two import tables those table have 2021 entire year datas, tables name daily\_trans\_backup\_alter\_2021.sql, dep\_scan\_trans\_backup\_alter\_2021.sql****)***

**The mobile application Radmus is using the two subdomains or URLs below.**

http://radmusone.scanslips.in

http://radmustwo.scanslips.in

**our Customers utilising the URL below**

https://scanslips.in

***BDS server BCP Flow***

***Start At 11:30 PM***

***1) Turn off the firewall rules for both the DC1-BDS1 and DC2-BDS2 servers. Disable crontab both server.***

*#MySQL Backup every day 11.59PM*

*59 23 \* \* \* /bin/bash /var/scripts/mysql\_backup1.sh*

*#Application Backup every sunday 12.00AM*

*00 00 \* \* Sun /bin/bash /var/scripts/app\_backup.sh*

*## clear ramcache memory*

*00 \*/3 \* \* \* /bin/bash /var/scripts/clearcache.sh*

*00 14 \* \* \* /bin/bash /var/scripts/clearcache.sh*

*# NTP update*

*00 04 \* \* \* /bin/bash /var/scripts/ntpupdate.sh*

*# Deposit data move to NAS at 02.00AM*

*#00 02 \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/deposit/\* admin@192.168.5.254:/data/BDS\_IMG/*

*#Deposit data move to san 02.00AM*

*00 02 \* \* \* /usr/bin/rsync -avzp /var/www/html/BDS/deposit/\* admin@192.168.5.204:/RADMUS/*

*#Data Sync with every 30Min to Bdsserver2*

*##\*/30 \* \* \* \* /usr/bin/rsync -avzp --exclude 'deposit' /var/www/html/BDS/\* lucifer@192.168.4.212:/var/www/html/BDS/*

*##Data sync 2022*

*##\*/30 \* \* \* \* /usr/bin/rsync -avzp --exclude '202201\*' /var/www/html/BDS/deposit/2022\* lucifer@192.168.4.212:/var/www/html/BDS/deposit/*

*##\*/30 \* \* \* \* /usr/bin/rsync -avzp /var/www/html/sftp/\* lucifer@192.168.4.212:/var/www/html/sftp/*

*## DC1 server ##*

*#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable.php*

*#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable\_static.php*

*### BCP ## DC2 server ##*

*#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable.php*

*#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable\_static.php*

*#\*/30 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.5.210/BDS/bds\_update\_data\_burial.php*

*#\*/30 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.5.210/BDS/bds\_get\_data.php*

*50 23 \* \* \* echo > /var/log/bds\_get\_data\_log.log*

*52 23 \* \* \* echo > /var/log/bds\_temptable\_log.log*

*53 23 \* \* \* echo > /var/log/mysql\_general.log*

*54 23 \* \* \* echo > /var/log/mysql\_slow\_queries.log*

*05 23 \* \* \* echo > /var/log/httpd/aaa.scanslip.in\_error.log*

*10 23 \* \* \* echo > /var/log/httpd/scanslip.in\_error.log*

***Once the beat trans cron task has finished from DC1 RCMS server , take a mysql backup from DC1-BDS1 and restore the backup into DC2-BD2 server.***

***Once restore process completed, activate all cron jobs on the DC2-BDS2 server.***

*#Data Sync with every 30Min to Bdsserver2*

*\*/30 \* \* \* \* /usr/bin/rsync -avzp --exclude 'deposit' /var/www/html/BDS/\* lucifer@192.168.5.210:/var/www/html/BDS/*

*##Data sync 2022*

*\*/30 \* \* \* \* /usr/bin/rsync -avzp --exclude '202201\*' /var/www/html/BDS/deposit/2022\* lucifer@192.168.5.210:/var/www/html/BDS/deposit/*

*#\*/30 \* \* \* \* /usr/bin/rsync -avzp /var/www/html/sftp/\* lucifer@192.168.4.212:/var/www/html/sftp/*

*## DC1 server ##*

*\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable.php*

*\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.1.245/RCMS/bds\_temptable\_static.php*

*### BCP ## DC2 server ##*

*#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable.php*

*#\*/20 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.245/RCMS/bds\_temptable\_static.php*

*\*/30 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.212/BDS/bds\_update\_data\_burial.php*

*\*/30 \* \* \* \* /usr/bin/curl -o /dev/null http://192.168.4.212/BDS/bds\_get\_data.php*

*50 23 \* \* \* echo > /var/log/bds\_get\_data\_log.log*

*52 23 \* \* \* echo > /var/log/bds\_temptable\_log.log*

*53 23 \* \* \* echo > /var/log/mysql\_general.log*

*54 23 \* \* \* echo > /var/log/mysql\_slow\_queries.log*

*05 23 \* \* \* echo > /var/log/httpd/aaa.scanslip.in\_error.log*

*10 23 \* \* \* echo > /var/log/httpd/scanslip.in\_error.log*

**Change BDS server ip address and in following subdomains**

***DC1-BDS1***

scanslips.in : 210.18.134.52

radmusone.scanslips.in : 180.151.48.124

radmustwo.scanslips.in : 210.18.134.51

***DC2-BDS2***

scanslips.in : 113.193.19.69

radmusone.scanslips.in : 113.193.19.68

radmustwo.scanslips.in : 111.93.12.251

***enable all IP's in firewall***

113.193.19.68/BDS

111.93.12.251/BDS

113.193.19.69 This for web (scanslips.in)

**API SERVER**

**Important information**

**The api server is handled many projects, we are used to containerization technology.**

**The docker, nginx and MySQL services are manually managed. Take a backup of MySQL database, and if necessary, restart the MySQLservice.**

|  |  |  |
| --- | --- | --- |
| **Project\_Name** | **Container\_Name** | **Image\_Name** |
| icici\_api (or) snorkel | iciciphp | rcms/iciciphp:v1 |
|  | icicijava | rcms/icicijava:v9 |
|  | icicijavamodification | rcms/icicijavamodification:v2 |
|  | icicijavamanually-push | rcms/icicijavamanuallypush:v1 |
|  | | |
| API Tracker | realtimeapitracker | rcms/iciciphp:v1 |
|  | | |
| Axis\_api | axis-api-server | rcms/axis:v5 |
|  | | |
| DB amazon and instacart | DB-Amazon-api-server | rcms/db-amazon:v1 |
|  | | |
| Qrcode | qrcode | rcms/qrcode:v1 |
|  | | |
| LDM | ldm-web-server | rcms/db-amazon:v1 |
|  | | |
| Test DB amazon and instacart | test-DB-Amazon | amazon-sdk:v1.3 |
|  | | |
| Test LDM | test-ldm-web | rcms/db-amazon:v1 |

**ICICI\_API or SNORKEL**

Gather real-time data for this project from the radiant server, process it in the api server, and deliver it to the icici bank server.

**URL:- http://192.168.5.204:8082**

**Database: rcms\_test**

**Path : /home/admin/icici-container**

in this folder have dockerfile docker compose file, java appalication, certificate and p12keystore.

docker-compose.yaml

Dockerfile.icicijava

Dockerfile.icicijavamanuallypush

Dockerfile.icicijavamodification

Dockerfile.iciciphp

icicilive-1-modify.jar

icicilive-1-regular.jar

icici-live-manually-1.jariciciprodcer.cer

icicipublicfilecer.cer

scanslips.p12

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path = /webdata/wsicici***

***container attached path = /var/www/html***

***Docker image build commands***

***sudo docker build -t rcms/iciciphp:v1 -f Dockerfile.iciciphp .***

***sudo docker build -t rcms/icicijava:v9 -f Dockerfile.icicijava .***

***sudo docker build -t rcms/icicijavamodification:v2 -f Dockerfile.icicijavamodification .***

***sudo docker build -t rcms/icicijavamanuallypush:v1 -f Dockerfile.icicijavamanuallypush .***

***Docker execution commands***

***start command***

***sudo docker-compose up -d***

***stop command***

***sudo docker-compose down***

**Dockerfile.iciciphp**

FROM centos:7

RUN yum install -y epel-release yum-utils \

&& yum install -y http://rpms.remirepo.net/enterprise/remi-release-7.rpm \

&& yum-config-manager --enable remi-php72 \

&& yum install -y httpd mod\_ssl openssl php php-common php-mbstring php-xml php-mysqlnd php-gd php-mcrypt php-pdo php-curl php-cli php-opcache

RUN ln -sf /dev/stdout /var/log/httpd/access\_log \

&& ln -sf /dev/stderr /var/log/httpd/error\_log

EXPOSE 80

CMD ["httpd","-D","FOREGROUND"]

**Dockerfile.icicijava**

#FROM openjdk:8-jre-alpine

FROM openjdk:11

RUN mkdir /keypair

COPY scanslips.p12 /keypair

COPY iciciprodcer.cer /keypair

COPY application.properties /keypair

RUN mkdir /app

WORKDIR /app

COPY icicilive-1-regular.jar .

EXPOSE 8080

ENTRYPOINT ["java", "-jar", "icicilive-1-regular.jar"]

**Dockerfile.icicijavamodification**

#FROM openjdk:8-jre-alpine

FROM openjdk:11

RUN mkdir /keypair

COPY scanslips.p12 /keypair

COPY iciciprodcer.cer /keypair

COPY application.properties /keypair

RUN mkdir /app

WORKDIR /app

COPY icicilive-1-modify.jar .

EXPOSE 8080

ENTRYPOINT ["java", "-jar", "icicilive-1-modify.jar"]

**Dockerfile.icicijavamanuallypush**

#FROM openjdk:8-jre-alpine

FROM openjdk:11

RUN mkdir /keypair

COPY scanslips.p12 /keypair

COPY iciciprodcer.cer /keypair

COPY application.properties /keypair

RUN mkdir /app

WORKDIR /app

COPY icici-live-manually-1.jar .

EXPOSE 8080

ENTRYPOINT ["java", "-jar", "icici-live-manually-1.jar"]

**docker-compose.yaml**

version: '3.2'

networks:

iciciphp:

icicijava:

services:

iciciphp:

container\_name: iciciphp

hostname: iciciphp-api

image: rcms/iciciphp:v1

restart: unless-stopped

ports:

- "8082:80"

volumes:

**- /webdata/wsicici:/var/www/html**

networks:

- iciciphp

labels:

org.label-schema.group: "monitoring"

icicijava:

container\_name: icicijava

hostname: icicijava-api

image: rcms/icicijava:v9

restart: unless-stopped

ports:

- "8083:8080"

networks:

- icicijava

labels:

org.label-schema.group: "monitoring"

modification:

container\_name: icicijavamodification

hostname: icicijavamodification-api

image: rcms/icicijavamodification:v2

restart: unless-stopped

ports:

- "8084:8080"

networks:

- icicijava

labels:

org.label-schema.group: "monitoring"

manually-push:

container\_name: icicijavamanually-push

hostname: icicijavamanual-api

image: rcms/icicijavamanuallypush:v1

restart: unless-stopped

ports:

- "8087:8080"

networks:

- icicijava

labels:

org.label-schema.group: "monitoring"

**API Tracker**

In this project to managing api missed data to tracker and sent.

**URL:-** [**https://apitracker.scanslips.in**](https://apitracker.scanslips.in/)

**http://192.168.5.204:8086**

**Database: rcms\_test**

**Path : /home/admin/api\_tracker**

in this folder have dockerfile and docker compose file

docker-compose.yaml

Dockerfile.apitracker

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path = /webdata/apitracker***

***container attached path = /var/www/html***

***Docker image build commands***

***sudo docker build -t rcms/iciciphp:v1 -f Dockerfile.iciciphp .***

***Docker execution commands***

***start command***

***sudo docker-compose up -d***

***stop command***

**sudo docker-compose down**

**Dockerfile.apitracker**

FROM centos:7

RUN yum install -y epel-release yum-utils \

&& yum install -y http://rpms.remirepo.net/enterprise/remi-release-7.rpm \

&& yum-config-manager --enable remi-php72 \

&& yum install -y httpd mod\_ssl openssl php php-common php-mbstring php-xml php-mysqlnd php-gd php-mcrypt php-pdo php-curl php-cli php-opcache

RUN ln -sf /dev/stdout /var/log/httpd/access\_log \

&& ln -sf /dev/stderr /var/log/httpd/error\_log

EXPOSE 80

CMD ["httpd","-D","FOREGROUND"]

**docker-compose.yaml**

version: '3.2'

networks:

apitracker:

services:

apitracker:

container\_name: realtimeapitracker

hostname: realtime-api-tracker

image: rcms/iciciphp:v1

restart: unless-stopped

ports:

- "8086:80"

volumes:

- /webdata/apitracker:/var/www/html

networks:

- apitracker

labels:

org.label-schema.group: "monitoring"

**Access to the outside world is configured for Nginx reverse proxy.**

Path: /etc/nginx/conf.d

**SSL Certificate path**

/etc/nginx/ssl/scanslips\_in\_ssl\_2021/STAR\_scanslips\_in.crt, ca-bundle-client.crt, www\_scanslips\_in.key.

apitracker.conf

server {

listen 80;

listen [::]:80;

listen 443 ssl;

listen [::]:443 ssl;

server\_name apitracker.scanslips.in;

ssl\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/STAR\_scanslips\_in.crt;

ssl\_trusted\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/ca-bundle-client.crt;

ssl\_certificate\_key /etc/nginx/ssl/scanslips\_in\_ssl\_2021/www\_scanslips\_in.key;

access\_log /var/log/nginx/apitracker\_access.log;

error\_log /var/log/nginx/apitracker\_error.log;

location / {

proxy\_pass http://localhost:8086;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

proxy\_redirect http://apitracker.scanslips.in https://apitracker.scanslips.in;

}

}

**Axis API**

Gather real-time data for this project from the radiant server, process it in the api server, and deliver it to the Axis bank server.

URL:- [https://wsaxis.scanslips.in](https://wsaxis.scanslips.in/)

[http://192.168.5.204:8080](http://192.168.5.204:8080/)

Database: rcms\_test

Path: /home/admin/axis\_container

in this folder have dockerfile and docker compose file

docker-compose.yaml

Dockerfile

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path = /webdata/* wsaxis**

container attached path = /var/www/html

***Docker image build commands***

***sudo docker build -t* rcms/axis:v5 *-f Dockerfile .***

***Docker execution commands***

***start command***

***sudo docker-compose up -d***

***stop command***

sudo docker-compose down

**Dockerfile**

FROM ubuntu

ARG DEBIAN\_FRONTEND=noninteractive

RUN apt-get update

RUN apt-get install -y apache2 php openssl php-common php-mbstring php-xml php-mysqlnd php-gd php-pdo php-curl vim && apt-get clean

RUN sed -i 's/max\_execution\_time = 30/max\_execution\_time = 1500/g' /etc/php/7.4/apache2/php.ini

RUN ln -sf /dev/stdout /var/log/apache2/access\_log \

&& ln -sf /dev/stderr /var/log/apache2/error\_log

EXPOSE 80 443

CMD ["apachectl", "-D", "FOREGROUND"]

**docker-compose.yml**

version: '3.2'

networks:

wsaxis:

services:

web:

container\_name: axis-api-server

hostname: axis-api-server

image: rcms/axis:v5

restart: unless-stopped

ports:

- "8080:80"

volumes:

- /webdata/wsaxis:/var/www/html

networks:

- wsaxis

labels:

org.label-schema.group: "monitoring"

**You can generate a new CSR and share to Axis bank.**

(The below two steps to be performed and share csr with AXIS team, AXIS team will sign the given csr and revert back to client)

**1) Generate a key**

openssl genrsa -aes128 -out wsaxis.key 2048

**2)Generate a CSR**

openssl req -new -key wsaxis.key -out wsaxis.csr

2. You can share old csr which you have share earlier. We can sign old CSR also, but you must have private key of old CSR because it will be required in making .p12 file.

**Create the pkcs12 keystore**

openssl pkcs12 -export -out CLIENT\_DOMAINNAME.p12 -inkey wsaxis.key -in <<AXIS\_SIGNED\_certfile.crt>> -name <<aliasname>> -certfile SakshamAPIClientRootCert.crt -certfile SakshamAPIClientIntermediateCertificate.crt

**Access to the outside world is configured for Nginx reverse proxy.**

Path /etc/nginx/conf.d/wsaxis.conf

server {

listen 80;

listen [::]:80;

listen 443 ssl;

listen [::]:443 ssl;

ssl\_protocols TLSv1.2;

#ssl off;

ssl\_certificate /etc/nginx/ssl/wsaxisnew/radiantnew-client-certificate.crt;

ssl\_trusted\_certificate /etc/nginx/ssl/wsaxisnew/radiantnew-client-certificate.crt;

ssl\_certificate\_key /etc/nginx/ssl/wsaxisnew/wsaxis.key;

server\_name wsaxis.scanslips.in;

#server\_name 192.168.5.204;

ssl\_client\_certificate /etc/nginx/ssl/wsaxisnew/cms-cert-chain.pem;

ssl\_verify\_client optional;

ssl\_verify\_depth 2;

access\_log /var/log/nginx/access.log;

error\_log /var/log/nginx/error.log;

location / {

#if ($ssl\_client\_verify != SUCCESS) {

# return 403;

# }

#if ($host = 'www.wsaxis.scanslips.in' ) {

# rewrite ^/(.\*)$ https://wsaxis.scanslips.in/$1 permanent;

# }

proxy\_pass http://localhost:8080;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

#proxy\_redirect http://localhost:8080 https://wsaxis.scanslips.in;

}

}

**DB Amazon and instacart**

**URL:-** https://radiantcms.in

http://192.168.5.204:8686

Database: db\_amazon

**Path : /home/admin/DB\_amazon**

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path = /webdata/* DBamazon**

container attached path = /var/www/html

**Dockerfile**

FROM centos:7

RUN yum install -y epel-release yum-utils \

&& yum install -y http://rpms.remirepo.net/enterprise/remi-release-7.rpm \

&& yum-config-manager --enable remi-php72 \

&& yum install -y httpd mod\_ssl openssl php php-common php-mbstring php-xml php-mysqlnd php-gd php-mcrypt php-pdo php-curl php-cli php-opcache

RUN ln -sf /dev/stdout /var/log/httpd/access\_log \

&& ln -sf /dev/stderr /var/log/httpd/error\_log

EXPOSE 80 443

CMD ["httpd","-D","FOREGROUND"]

**docker-compose.yml**

version: '3.2'

networks:

db-amazon:

services:

web:

container\_name: DB-Amazon-api-server

hostname: DB-Amazon-api-server

image: rcms/db-amazon:v1

restart: unless-stopped

ports:

- "8686:80"

volumes:

- /webdata/DBamazon:/var/www/html

networks:

- db-amazon

labels:

org.label-schema.group: "monitoring"

**Access to the outside world is configured for Nginx reverse proxy.**

Path : /etc/nginx/conf.d/radiantcms\_in.conf

server {

listen 80;

server\_name radiantcms.in www.radiantcms.in;

return 301 http://radiantcms.in$request\_uri;

}

server {

listen 443 ssl;

server\_name www.radiantcms.in;

return 301 http://radiantcms.in$request\_uri;

}

server {

listen 443 ssl;

server\_name radiantcms.in;

client\_max\_body\_size 20M;

ssl\_certificate /etc/nginx/ssl/radiantcms\_in/radiantcmsin.crt;

# ssl\_trusted\_certificate /etc/nginx/ssl/radiantcms\_in/ca-bundle-client.crt;

ssl\_certificate\_key /etc/nginx/ssl/radiantcms\_in/radiantcmsin.key;

access\_log /var/log/nginx/radiantcms-access.log upstreamlog;

error\_log /var/log/nginx/radiantcms-error.log;

location / {

proxy\_pass http://localhost:8686;

proxy\_read\_timeout 300;

proxy\_connect\_timeout 300;

proxy\_send\_timeout 300;

real\_ip\_header X-Forwarded-For;

real\_ip\_recursive on;

set\_real\_ip\_from 0.0.0.0/0;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

}

}

**QRCODE**

**URL:-** https://qr.scanslips.in

http://192.168.5.204: 8089

Database: qr

**Path : /home/admin/Qrcode**

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path = /webdata/QRCode***

container attached path = /var/www/html

**Dockerfile.QRCode**

FROM centos:7

RUN yum install -y epel-release yum-utils \

&& yum install -y http://rpms.remirepo.net/enterprise/remi-release-7.rpm \

&& yum-config-manager --enable remi-php72 \

&& yum install -y httpd mod\_ssl openssl php php-common php-mbstring php-xml php-mysqlnd php-gd php-mcrypt php-pdo php-curl php-cli php-opcache

RUN ln -sf /dev/stdout /var/log/httpd/access\_log \

&& ln -sf /dev/stderr /var/log/httpd/error\_log

EXPOSE 80

CMD ["httpd","-D","FOREGROUND"]

**docker-compose.yaml**

version: '3.2'

networks:

qrcode:

services:

qrcode:

container\_name: qrcode

hostname: qrcode

image: rcms/qrcode:v1

restart: unless-stopped

ports:

- "8089:80"

volumes:

- /webdata/QRCode:/var/www/html

networks:

- qrcode

labels:

org.label-schema.group: "monitoring"

path: /etc/nginx/conf.d/qrcode.conf

server {

listen 80;

listen [::]:80;

listen 443 ssl;

listen [::]:443 ssl;

server\_name qr.scanslips.in;

ssl\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/STAR\_scanslips\_in.crt;

ssl\_trusted\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/ca-bundle-client.crt;

ssl\_certificate\_key /etc/nginx/ssl/scanslips\_in\_ssl\_2021/www\_scanslips\_in.key;

access\_log /var/log/nginx/qrcode\_access.log;

error\_log /var/log/nginx/qrcode\_error.log;

location / {

proxy\_pass http://localhost:8089;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

proxy\_redirect http://qr.scanslips.in https://qr.scanslips.in;

}

}

**LDM**

**URL:-** https:// ldm.scanslips.in;

http://192.168.5.204:8088

Database: ldm

**Path : /home/admin/LDM-container**

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path = /webdata/LDM***

container attached path = /var/www/html

**docker-compose.yml**

version: '3.2'

networks:

ldm-server:

services:

ldm-web:

container\_name: ldm-web-server

hostname: ldm.scanslips.in

image: rcms/db-amazon:v1

restart: unless-stopped

ports:

- "8088:80"

volumes:

- /webdata/LDM:/var/www/html

networks:

- ldm-server

labels:

org.label-schema.group: "monitoring"

Path : /etc/nginx/conf.d/ldm.conf

server {

listen 80;

listen [::]:80;

listen 443 ssl;

listen [::]:443 ssl;

server\_name ldm.scanslips.in;

ssl\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/STAR\_scanslips\_in.crt;

ssl\_trusted\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/ca-bundle-client.crt;

ssl\_certificate\_key /etc/nginx/ssl/scanslips\_in\_ssl\_2021/www\_scanslips\_in.key;

access\_log /var/log/nginx/ldm\_access.log;

error\_log /var/log/nginx/ldm\_error.log;

location / {

proxy\_pass http://localhost:8088;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

proxy\_redirect http://ldm.scanslips.in https://ldm.scanslips.in;

}

}

**Test DB Amazon and Instacart**

**URL:-** https://testaws.scanslips.in;

[http://192.168.5.204:80](http://192.168.5.204:8088/)90

**Path: /home/admin/test\_db\_amazon**

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path =* /webdata/test\_DBamazon**

container attached path = /var/www/html

**Dockerfile.dbamazon**

FROM centos:7

RUN yum install -y epel-release yum-utils \

&& yum install -y http://rpms.remirepo.net/enterprise/remi-release-7.rpm \

&& yum-config-manager --enable remi-php72 \

&& yum install -y httpd mod\_ssl awscli openssl php php-common php-mbstring php-xml php-mysqlnd php-gd php-mcrypt php-pdo php-curl php-cli php-opcache php-zip wget unzip

RUN mkdir ~/.aws/

COPY . /root/.aws/

RUN chown -R apache:apache /root/.aws/

RUN chmod -R 640 /root/.aws/credentials

RUN mkdir /var/www/composer/

WORKDIR /var/www/composer/

RUN curl -sS https://getcomposer.org/installer | php -- --install-dir=/usr/local/bin --filename=composer

RUN composer require aws/aws-sdk-php

RUN ln -sf /dev/stdout /var/log/httpd/access\_log \

&& ln -sf /dev/stderr /var/log/httpd/error\_log

EXPOSE 80 443

CMD ["httpd","-D","FOREGROUND"]

**cat docker-compose.yml**

version: '3.2'

networks:

test-db-amazon:

services:

test-db-web:

container\_name: test-DB-Amazon

hostname: test-DB-Amazon

image: amazon-sdk:v1.3

restart: unless-stopped

ports:

- "8090:80"

volumes:

- /webdata/test\_DBamazon:/var/www/html

networks:

- test-db-amazon

labels:

org.label-schema.group: "monitoring"

/etc/nginx/conf.d/testamazon.conf

server {

listen 80;

listen [::]:80;

listen 443 ssl;

listen [::]:443 ssl;

server\_name testaws.scanslips.in;

ssl\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/STAR\_scanslips\_in.crt;

ssl\_trusted\_certificate /etc/nginx/ssl/scanslips\_in\_ssl\_2021/ca-bundle-client.crt;

ssl\_certificate\_key /etc/nginx/ssl/scanslips\_in\_ssl\_2021/www\_scanslips\_in.key;

access\_log /var/log/nginx/testaws-access.log;

error\_log /var/log/nginx/testaws-error.log;

location / {

proxy\_pass http://localhost:8090;

proxy\_set\_header Host $host;

proxy\_set\_header X-Real-IP $remote\_addr;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_set\_header X-Forwarded-Proto $scheme;

proxy\_redirect http://testaws.scanslips.in https://testaws.scanslips.in;

}

}

**Test LDM**

**URL:** 192.168.5.204:8091

**path : /home/admin/test\_ldm**

***conatier volume***

in this folder have application file such us login.php

***local server path : container attached path***

***local server path =* /webdata/test\_LDM**

container attached path = /var/www/html

**docker-compose.yml**

version: '3.2'

networks:

test-ldm-server:

services:

test-ldm-web:

container\_name: test-ldm-web

hostname: testldm.scanslips.in

image: rcms/db-amazon:v1

restart: unless-stopped

ports:

- "8091:80"

volumes:

- /webdata/test\_LDM:/var/www/html

networks:

- test-ldm-server

labels:

org.label-schema.group: "monitoring"

**Backup script**

path: /var/script

**mysqlbackup.sh**

#!/usr/bin/env bash

TIMESTAMP=$(date +%Y%b%d-%H-%M-%S)

BACKUP\_DIR="/backup/dailymysqldb/$TIMESTAMP"

MYSQL\_USER=sqladmin

MYSQL\_PASSWORD="9Qf2+kXrM@h9ZNhnL{Qnf"

mkdir -p $BACKUP\_DIR

databases=$(mysql -u$MYSQL\_USER -p$MYSQL\_PASSWORD -e "SHOW DATABASES;" | grep -Ev "(Database|information\_schema|mysql|sys|performance\_schema)")

for db in $databases; do

mysqldump --user=$MYSQL\_USER -p$MYSQL\_PASSWORD --skip-lock-tables --quick --single-transaction --databases $db | gzip >"$BACKUP\_DIR/$db.gz"

done

**weeklybackup.sh**

#!/bin/bash

TIME=`date +%Y%b%d%a`

mkdir /backup/weeklybackup/$TIME

for i in "DBamazon" "LDM" "wsaxis" "wsicici" "apitracker" "QRCode"; do

TIME=`date +%Y%b%d%a` # This Command will add date in Backup File Name.

FILENAME=$i-Backup.tar.gz # Here i define Backup file name format.

SRCDIR="/webdata/$i" #Location of Important Data Directory (Source of backup).

DESDIR="/backup/weeklybackup/$TIME" # Destination of backup file.

tar -cpzf $DESDIR/$FILENAME $SRCDIR

done

**san-volume-auto-mount.sh**

#!/bin/bash

#permission changes for mount path

chown admin:admin /RADMUS

#discover san node

iscsiadm -m discovery -t st -p 192.168.5.221:3260

# Login san with Targetname RADMUS

iscsiadm -m node --targetname "iqn.1991-10.com.ami:itx3cecef01808a9033:l.radmus" --portal "192.168.5.221:3260" --login

#sleep time for login to get information

sleep 180

#get uuid from san

uuid=$(ls -lth /dev/disk/by-uuid | grep b53a796d-edc9-4390-9989-fe06bec1ef6f | awk {'print $9'})

#mount disk use uuid

mount -U $uuid /RADMUS

**Cron Job list**

50 23 \* \* \* /bin/bash /var/script/mysqlbackup.sh

0 \*/2 \* \* \* /bin/bash /var/script/clearcache.sh

## icici snorkel and live api data get from rcms live server

#35 09-22 \* \* \* /usr/bin/curl http://192.168.5.204:8082/from\_live\_icic\_api.php

#30 10-22/2 \* \* \* /usr/bin/curl http://192.168.5.204:8082/from\_live\_icic\_modifyapi.php

***##icici Snorkel data flow. Data get from RCMS Production server to API server***

***## Every one Hours Regular entertes***

25 09-22 \* \* \* /usr/bin/curl http://192.168.5.204:8082/from\_live\_icic\_api.php

***## Every Two Hours modification entries***

20 10-22/2 \* \* \* /usr/bin/curl http://192.168.5.204:8082/from\_live\_icic\_modifyapi.php

***## ICICI data transfer from API server to icici server***

***## Every one Hours Regular entertes***

40 09-22 \* \* \* /usr/bin/curl http://192.168.5.204:8083/icici/processTxn

***## Every Two Hours modification entries***

30 10-22/2 \* \* \* /usr/bin/curl http://192.168.5.204:8084/icici/processTxn

***## iscsi volume mount***

@reboot /bin/bash /var/script/san-volume-auto-mount.sh

**MYSQL daily backup Process**

automated backup done in everyday night 11:50 backup datas are saved in local server,san storage.

maintain six-month mysql database backups, and each month's most recent backup is kept in this folder.

Storage Path :-

API : ***/backup/dailymysqldb***

SAN Storageand Test server : /AppAndDB/dailymysqlbackup/API ***(everyday night datas are sync from API to Test server)***

**APPLICATION Backup**

automated backup done in everyweek once 01 PM backup datas are saved in local server.

Storage Path :-

API : ***/backup/weeklybackup***

automated backup done in everyday night 2 AM san storage.

Path : /AppAndDB/Application/API/

**San Storage mount detils**

**Test server**

In test server rcmsdb lun mount into AppAndDB folder, kindly flow below steps

**mount.sh**

#!/bin/bash

## Directory permissions change to ansible user

chown ansible:ansible /AppAndDB

#discover san node

iscsiadm -m discovery -t st -p 192.168.5.221:3260

# previous session close

#iscsiadm -m node --targetname "iqn.1991-10.com.ami:itx3cecef01808a9033:l.rcmsdb" --portal "192.168.5.221:3260" --logout

#sleep time for login to get information

#sleep 10

# Login san with Targetname

iscsiadm -m node --targetname "iqn.1991-10.com.ami:itx3cecef01808a9033:l.rcmsdb" --portal "192.168.5.221:3260" --login

#sleep time for login to get information

sleep 60

#get uuid from san

uuid=$(ls -lth /dev/disk/by-uuid | grep ad7a931c-777d-46c4-890b-029b28c951a3 | awk {'print $9'})

#mount dicks use uuid

mount -U $uuid /AppAndDB

**API SERVER**

In test server radmus lun mount into RADMUS folder, kindly flow below steps

**san-volume-auto-mount.sh**

#!/bin/bash

#permission changes for mount path

chown admin:admin /RADMUS

#discover san node

iscsiadm -m discovery -t st -p 192.168.5.221:3260

# Login san with Targetname RADMUS

iscsiadm -m node --targetname "iqn.1991-10.com.ami:itx3cecef01808a9033:l.radmus" --portal "192.168.5.221:3260" --login

#sleep time for login to get information

sleep 180

#get uuid from san

uuid=$(ls -lth /dev/disk/by-uuid | grep b53a796d-edc9-4390-9989-fe06bec1ef6f | awk {'print $9'})

#mount disk use uuid

mount -U $uuid /RADMUS

**Docker Image backup**

docker\_images\_docs.txt

##API server Docker Images and backup location

##Docker file and docker-compose files

==============================================

##In api server docker image path

path= /backup/Docker\_images

##images\_liste

==============

1. rcms/icicijavamodification:v1

2. rcms/icicijava:v8

3. rcms/iciciphp:v1

4. rcms/axis:v5

5. rcms/db-amazon:v1

6. google/cadvisor:latest

7. phpmyadmin

8 . rcms/icicijava:v9

9 . rcms/icicijavamodification:v2

10. rcms/icicijavamanuallypush:v1

11 . rcms/qrcode:v1

12 . amazon-sdk:v1.3

sudo docker save -o /backup/Docker\_images/icicijavamodification.tar rcms/icicijavamodification:v1

sudo docker save -o /backup/Docker\_images/icicijava.tar rcms/icicijava:v8

sudo docker save -o /backup/Docker\_images/iciciphp.tar rcms/iciciphp:v1

sudo docker save -o /backup/Docker\_images/axis.tar rcms/axis:v5

sudo docker save -o /backup/Docker\_images/db-amazon.tar rcms/db-amazon:v1

sudo docker save -o /backup/Docker\_images/phpmyadmin.tar phpmyadmin

sudo docker save -o /backup/Docker\_images/cadvisor.tar google/cadvisor:latest

sudo docker save -o /backup/Docker\_images/icicijava-v9.tar rcms/icicijava:v9

sudo docker save -o /backup/Docker\_images/icicijavamodification-v2.tar rcms/icicijavamodification:v2

sudo docker save -o /backup/Docker\_images/icicijavamanuallypush-v1.tar rcms/icicijavamanuallypush:v1

sudo docker save -o /backup/Docker\_images/qrcode-v1.tar rcms/qrcode:v1

sudo docker save -o /backup/Docker\_images/amazon-sdk-v1.tar amazon-sdk:v1.3

=====================================================================================================

rsync -avz /backup/Docker\_images/\* ansible@192.168.5.100:/AppAndDB/Docker\_images/

###In san and testserver2 storage image path

============================

/AppAndDB/Docker\_images/

##server and load the Docker image:

=================================

sudo docker load -i your\_image.tar

##Restapi server project docker support files

=============================================

path= /backup/Docker\_images/Restapi\_projects\_suppportfile

##Docker-compose files

======================

1. axis\_container

2. bds\_container

3. DB\_amazon

4. icici-container

5. mailalert

6. api\_tracker

1. what is the process flow to handle the conatainer

2. How developer can able to upload the filkes?

3. is any cicd process flow is there?