

MDC LMS DR Startup Steps

1. Access the MDC DR environment (using web Brower login Citrix VDI)
2. Check/Setup LMS network settings (Hostname, IP address, DNS)

```
$ hostname
admsrv1/admsrv2

$ ifconfig -a
en0:
flags=1e080863,4c0<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKS
UM_OFFLOAD(ACTIVE),LARGESEND,CHAIN>
    inet 10.253.142.80 netmask 0xffffffc0 broadcast 10.253.142.127
    tcp_sendspace 131072 tcp_recvspace 65536 rfc1323 1
en1:
flags=1e080863,4c0<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKS
UM_OFFLOAD(ACTIVE),LARGESEND,CHAIN>
    inet 10.253.136.80 netmask 0xfffffe00 broadcast 10.253.137.255
    tcp_sendspace 262144 tcp_recvspace 131072 rfc1323 1
en2:
flags=1e080863,4c0<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKS
UM_OFFLOAD(ACTIVE),LARGESEND,CHAIN>
    inet 10.253.133.15 netmask 0xffffff80 broadcast 10.253.133.127
    tcp_sendspace 131072 tcp_recvspace 65536 rfc1323 1
en3:
flags=1e080863,4c0<UP,BROADCAST,NOTRAILERS,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,CHECKS
UM_OFFLOAD(ACTIVE),LARGESEND,CHAIN>
    inet 10.253.133.138 netmask 0xffffff80 broadcast 10.253.133.255
    inet 10.253.133.139 netmask 0xfffffe00 broadcast 10.253.133.255
    tcp_sendspace 131072 tcp_recvspace 65536 rfc1323 1
lo0:
flags=e08084b,c0<UP,BROADCAST,LOOPBACK,RUNNING,SIMPLEX,MULTICAST,GROUPRT,64BIT,LARGESEND,
CHAIN>
    inet 127.0.0.1 netmask 0xff000000 broadcast 127.255.255.255
    inet6 ::1%1/0
    tcp_sendspace 131072 tcp_recvspace 131072 rfc1323 1
$ cat /etc/hosts
# @(#)47      1.1   src/bos/usr/sbin/netstart/hosts, cmdnet, bos530 7/24/91 10:00:46
# IBM_PROLOG_BEGIN_TAG
# This is an automatically generated prolog.
#
# bos530 src/bos/usr/sbin/netstart/hosts 1.1
#
# Licensed Materials - Property of IBM
#
# (C) COPYRIGHT International Business Machines Corp. 1985,1989
# All Rights Reserved
#
# US Government Users Restricted Rights - Use, duplication or
# disclosure restricted by GSA ADP Schedule Contract with IBM Corp.
#
# IBM_PROLOG_END_TAG
#
# COMPONENT_NAME: TCPIP hosts
#
# FUNCTIONS: loopback
#
# ORIGINS: 26 27
#
# (C) COPYRIGHT International Business Machines Corp. 1985, 1989
# All Rights Reserved
# Licensed Materials - Property of IBM
#
# US Government Users Restricted Rights - Use, duplication or
# disclosure restricted by GSA ADP Schedule Contract with IBM Corp.
#
# /etc/hosts
#
```

```

# This file contains the hostnames and their address for hosts in the
# network. This file is used to resolve a hostname into an Internet
# address.
#
# At minimum, this file must contain the name and address for each
# device defined for TCP in your /etc/net file. It may also contain
# entries for well-known (reserved) names such as timeserver
# and printserver as well as any other host name and address.
#
# The format of this file is:
# Internet Address      Hostname      # Comments
# Items are separated by any number of blanks and/or tabs. A '#'
# indicates the beginning of a comment; characters up to the end of the
# line are not interpreted by routines which search this file. Blank
# lines are allowed.
127.0.0.1              loopback localhost      # loopback (lo0) name/address

# Internet Address      Hostname      # Comments
# 192.9.200.1          net0sample    # ethernet name/address
# 128.100.0.1          token0sample  # token ring name/address
# 10.2.0.2             x25sample    # x.25 name/address

# Management Interfaces
#192.168.103.211 admsrv1 admsrv1.livingstonintl.com
#192.168.103.212 admsrv2 admsrv2.livingstonintl.com

# HACMP ADMSRV1 Interfaces
#192.168.101.201 admsrv1_bt1 admsrv1_bt1.livingstonintl.com
#192.168.104.202 admsrv1_pip admsrv1_pip.livingstonintl.com
#192.168.104.203 admsrv1_svc admsrv1_svc.livingstonintl.com adminserv
#192.168.102.204 admsrv1_bt2 admsrv1_bt2.livingstonintl.com

# HACMP ADMSRV2 Interfaces
#192.168.101.211 admsrv2_bt1 admsrv2_bt1.livingstonintl.com
#192.168.104.212 admsrv2_pip admsrv2_pip.livingstonintl.com
#192.168.104.213 admsrv2_svc admsrv2_svc.livingstonintl.com
#192.168.102.214 admsrv2_bt2 admsrv2_bt2.livingstonintl.com

#temp;
#192.168.104.71 cm07 cm07.livingstonintl.com
#192.168.104.72 cm07_svc cm07_svc.livingstonintl.com

#192.168.108.25 codanim.livingstonintl.com codanim
#192.168.103.27 codanim_app.livingstonintl.com codanim_app

#192.168.108.66 hnas

#####
# CGI environment
#####

# CGI DEFINED IPs
10.253.142.68      mdcliinim01-mgmt      # NIM server at MDC
10.253.142.80      admsrv1-mgmt      # Management Vlan
10.253.136.80      admsrv1-bkup      # Backup vlan

# MISC
10.253.136.12      whtm25882      # Commvault v9 Console
10.253.136.13      whtm25883      # Commvault v9 Console

# Commvault media agents - Task# 823542 - June the 10th 2014
10.253.136.29      whtm35693
10.253.136.30      whtm35694

# APP Interface
10.253.133.15      admsrv1      admsrv1.livingstonintl.com
10.253.133.26      admsrv2      admsrv2.livingstonintl.com

# HACMP ADMSRV1 Interfaces
10.253.133.138      admsrv1_bt1      admsrv1_bt1.livingstonintl.com

```

```

10.253.133.139          admsrv1_svc      admsrv1_svc.livingstonintl.com  adminserv

# HACMP ADMSRV2 Interfaces
10.253.133.157          admsrv2_bt1      admsrv2_bt1.livingstonintl.com
10.253.133.158          admsrv2_svc      admsrv2_svc.livingstonintl.com

$ nslookup ifx01
Server:      10.253.129.12
Address:     10.253.129.12#53

Name:   ifx01.livingstonintl.com
Address: 10.253.133.30

$ nslookup tsm01
Server:      10.253.129.12
Address:     10.253.129.12#53

Name:   tsm01.livingstonintl.com
Address: 10.253.133.14

```

3. Check/Setup LMS Storage settings (Volume groups, File systems)

```

$ lsvg
rootvg
admsrv1_cmvg
admsrv1_lslogvg
admsrv1_rmlogvg
admsrv1_appvg
admsrv1_lsbkpvvg
admsrv1_rmbkpvvg
admsrv1_doclvvg
admsrv1_doc2vg
admsrv1_doc3vg
mndhb_vg_01
admsrv1_doc4vg

$ lsvg -o
admsrv1_doc4vg
mndhb_vg_01
admsrv1_rmlogvg
admsrv1_rmbkpvvg
admsrv1_lslogvg
admsrv1_lsbkpvvg
admsrv1_doc3vg
admsrv1_doc2vg
admsrv1_doclvvg
admsrv1_cmvg
admsrv1_appvg
rootvg

$ df -g
Filesystem      GB blocks      Free %Used      Iused %Iused Mounted on
/dev/hd4         2.25         2.13    6%        4696    1% /
/dev/hd2        10.00         1.11   89%       123647   31% /usr
/dev/hd9var       2.00         0.83   59%        3992    2% /var
/dev/hd3          2.00         0.60   70%        1625    2% /tmp
/dev/hd1          1.00         0.86   14%         612    1% /home
/proc             -             -       -           -       - /proc
/dev/hd10opt     13.00         2.26   83%       88288   14% /opt
/dev/livedump     0.25         0.24    5%          43    1% /var/adm/ras/livedump
/dev/hd11admin    0.50         0.50    1%           5    1% /admin
/dev/lmslv        5.00         4.98    1%          44    1% /lms
/dev/admsrvlv     18.00        14.38   21%       10552    1% /admsrv
/dev/arstmplv     20.00        19.78    2%        5738    1% /arstmp
/dev/cmapplv       6.25         6.17    2%       11401    1% /cmapp
/dev/db2fenc1lv   5.00         4.98    1%           6    1% /home/db2fenc1
/dev/db2fenc2lv   2.50         2.49    1%           6    1% /home/db2fenc2
/dev/db2inst1lv  200.00       142.32   29%        4823    1% /home/db2inst1
/dev/db2inst2lv   50.00         44.76   11%        1461    1% /home/db2inst2
/dev/lbosdata01lv 100.00         7.27   93%       740708   31% /lbosdata01
/dev/lbosdata02lv 100.00         7.78   93%      856149   33% /lbosdata02
/dev/lbosdata03lv 100.00         7.79   93%      947888   35% /lbosdata03

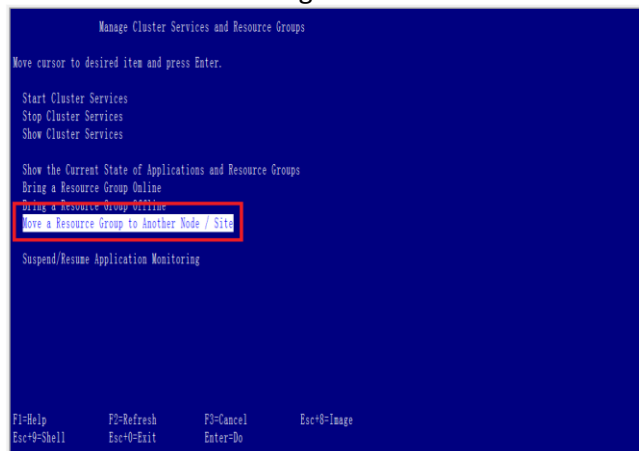
```

/dev/lbosdata04lv	100.00	7.24	93%	773877	32%	/lbosdata04
/dev/lbosdata05lv	100.00	7.86	93%	647477	27%	/lbosdata05
/dev/lbosdata06lv	100.00	8.41	92%	697129	27%	/lbosdata06
/dev/lbosdata07lv	100.00	6.65	94%	697455	32%	/lbosdata07
/dev/lbosdata08lv	100.00	5.34	95%	781515	39%	/lbosdata08
/dev/lbosdata09lv	100.00	7.47	93%	706991	29%	/lbosdata09
/dev/lbosdata10lv	100.00	6.24	94%	571647	29%	/lbosdata10
/dev/lbosdata11lv	100.00	7.60	93%	596857	26%	/lbosdata11
/dev/lbosdata12lv	100.00	6.59	94%	575056	28%	/lbosdata12
/dev/lbosdata13lv	100.00	4.20	96%	474014	33%	/lbosdata13
/dev/lbosdata14lv	100.00	6.33	94%	457527	24%	/lbosdata14
/dev/lbosdata15lv	100.00	6.47	94%	466529	24%	/lbosdata15
/dev/lbosdata16lv	100.00	4.77	96%	436704	29%	/lbosdata16
/dev/lbosdata17lv	100.00	5.16	95%	423127	27%	/lbosdata17
/dev/lbosdata18lv	100.00	3.75	97%	389589	31%	/lbosdata18
/dev/lbosdata19lv	100.00	3.76	97%	417802	33%	/lbosdata19
/dev/lbosdata20lv	100.00	3.69	97%	446916	35%	/lbosdata20
/dev/lbosdata21lv	100.00	3.17	97%	475250	40%	/lbosdata21
/dev/lbosdata22lv	100.00	2.94	98%	474383	41%	/lbosdata22
/dev/lbosdata23lv	100.00	2.99	98%	474564	41%	/lbosdata23
/dev/lbosdata24lv	100.00	2.18	98%	482576	49%	/lbosdata24
/dev/lbosdata25lv	100.00	0.95	100%	449021	67%	/lbosdata25
/dev/lbosdata26lv	100.00	0.26	100%	449785	89%	/lbosdata26
/dev/lsactivelv	5.00	2.97	41%	18	1%	/lsactivelogs
/dev/lsarchivelv	15.00	14.03	7%	17	1%	/lsarchivelogs
/dev/lsbkuplv	147.00	93.98	37%	11	1%	/lsbkup
/dev/rmactivelv	5.00	4.77	5%	19	1%	/rmactivelogs
/dev/rmarchivelv	15.00	14.87	1%	16	1%	/rmarchivelogs
/dev/rmbkuplv	49.00	32.14	35%	1583	1%	/rmbkup
/dev/tsmhallv	5.00	3.10	39%	61	1%	/tsmhal
/dev/ubosstglv	50.00	49.80	1%	4	1%	/ubosstg
/dev/lbosdata27lv	100.00	1.24	99%	401196	59%	/lbosdata27
/dev/history_lv	0.25	0.25	1%	54	1%	/var/adm/history
/dev/lbosdata28lv	100.00	23.81	77%	305983	6%	/lbosdata28
/dev/lbosdata29lv	100.00	23.78	77%	305586	6%	/lbosdata29
/dev/lbosdata30lv	100.00	22.86	78%	306343	6%	/lbosdata30
/dev/lbosdata31lv	95.00	91.50	4%	14646	1%	/lbosdata31
/dev/lbosdata32lv	95.00	91.46	4%	14849	1%	/lbosdata32
/dev/lbosdata33lv	95.00	91.43	4%	14826	1%	/lbosdata33

4. Start Applications (HACMP, which starts DB2 icmnlbdb/rmdb, IBM WebSphere icmrm)

```
$ cd /lms/hacmp/bin
$ ls
startadmsrv1_app.ksh  startadmsrv2_now.ksh  stopadmsrv2_app.ksh
startadmsrv1_now.ksh  stopadmsrv1_app.ksh  stopadmsrv2_now.ksh
startadmsrv1_now.log  stopadmsrv1_now.ksh
startadmsrv2_app.ksh  stopadmsrv1_now.log
```

5. HACMP cutover testing.



LMS DR test

1. eClient test:

<http://tpcwx309/eclient/IDMLogon2.jsp>



Log in

User ID :	<input type="text"/>
Password :	<input type="password"/>
Server :	ARC - CM8 ▾
<input type="button" value="Change Password"/> <input type="button" value="Log in"/> <input type="button" value="Reset"/>	

2. pClient test:

