MP:

Đường dẫn:

Cài đặt:

/u01/mp

Log: /var/log/1M/mp

Binary:

/u01/mp/platforms/bin

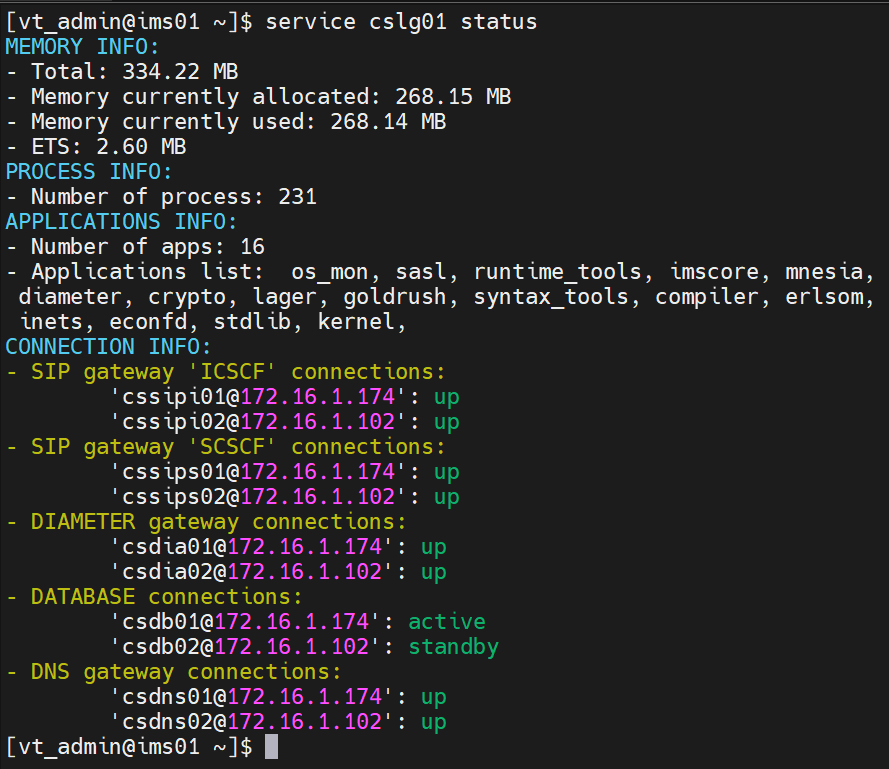
Script: /u01/mp/script

Tiến trình MP:

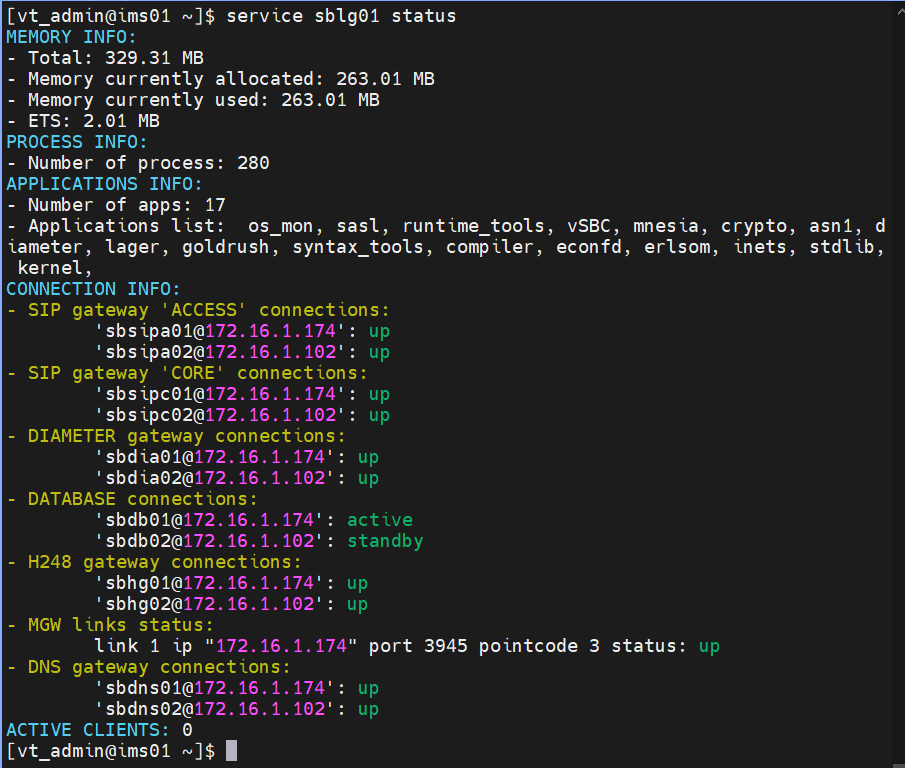
Status MP:

Htop MP:

Cslg01:

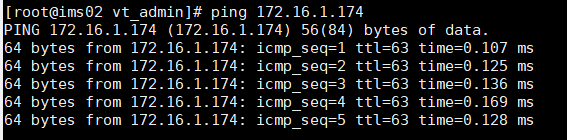


Sblg01:



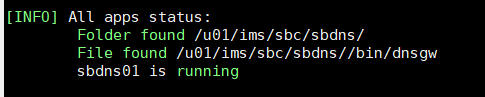
172.16.1.158:10000

Ping :



**STATUS:**

ENUM/DNS



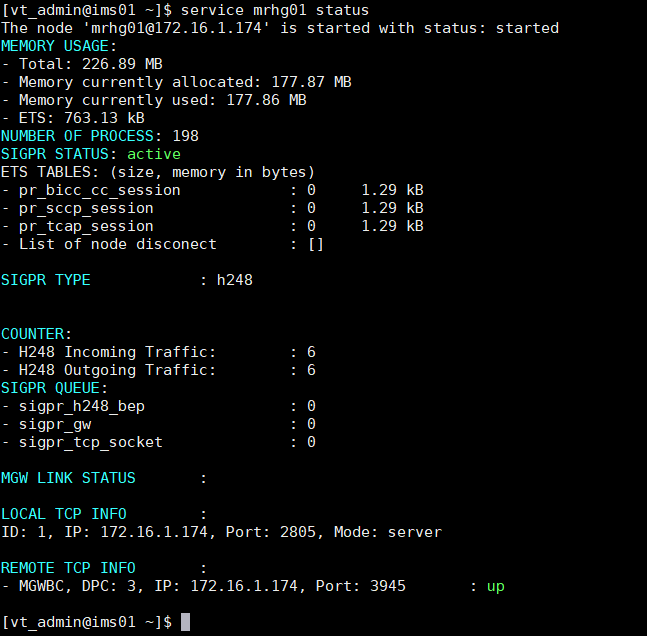
[INFO] All apps status:

Folder found /u01/ims/sbc/sbdns/

File found /u01/ims/sbc/sbdns//bin/dnsgw

sbdns01 is running

H.248:



Đường dẫn:

1. Modul LOGIC

1.1. IMS CORE

Cai dat: /u01/ims/imscore/logic

Log: /u01/ims/imscore/logs

Binary: /u01/ims/imscore/logic/bin

1.2 SBC

Cai dat: /u01/ims/sbc/sblg

Log: /u01/ims/sbc/log

Binary: /u01/ims/sbc/sblg/bin

1.3 MMTEL

Cai dat: /u01/ims/vims/vims\_mmtel\_logic/

Log: /u01/ims/vims/logs

Bin: /u01/ims/vims/vims\_mmtel\_logic/bin

1.4 MRF

Cai dat: /u01/ims/mrf/mrlg

Log: /u01/ims/mrf/mrlg/log

Bin: /u01/ims/mrf/mrlg/bin

2. Modul diameter

Cai dat:

SBC: /u01/ims/sbc/sbdia

IMSCORE: /u01/ims/imscore/diagw

MMTEL: /u01/ims/vims/diagw

Log:

Sbc: /u01/ims/sbc/log

Imscore: /u01/ims/imscore/logs

Mmtel: /u01/ims/vims/logs

Bin:

SBC: /u01/ims/sbc/sbdia/bin

IMSCORE: /u01/ims/imscore/diagw/bin

MMTEL: /u01/ims/vims/diagw/bin

3. Modul ENUM/DNS

Cài đặt:

IMSCORE, MMTEL: /u01/ims/imscore/dnsgw/

SBC: /u01/ims/sbc/sbdns

Log:

IMSCORE, MMTEL: /u01/ims/imscore/logs

SBC: /u01/ims/sbc/log

Binary:

IMSCORE, MMTEL: /u01/ims/imscore/dnsgw/bin

SBC: /u01/ims/sbc/sbdns/bin

4. Modul H.248

Cài đặt:

MRF: /u01/ims/mrf/mrhg

SBC: /u01/ims/sbc/sbhg

Log:

MRF: /u01/ims/mrf/mrhg/log

SBC: /u01/ims/sbc/sbhg/log

Binary:

MRF: /u01/ims/mrf/mrhg/bin

SBC: /u01/ims/sbc/sbhg/bin

5. Modul SipGW

Cài đặt: /u01/ims/sipgw

Log: /u01/ims/sipgw/log

Binary: /u01/ims/sipgw/bin

Service sblg01 remote\_console

Ets: info()

6. database

IMS, MMTEL:

Cài đặt: /u01/ims/imscore/dbgw

Log: /u01/ims/imscore/logs

Binary: /u01/ims/imscore/dbgw/bin

SBC:

Cài đặt: /u01/ims/sbc/sbdb

Log: /u01/ims/sbc/log

Binary: /u01/ims/sbc/sbdb/bin

7.MGW

Cài đặt: /u01/ims/vims/mgw

Log: /u01/ims/vims/mgw/logs

Binary: /u01/ims/vims/mgw/bin

8. vCCF 1

Cài đặt: /u01/ims/vims/ccf

Log: /u01/ims/vims/ccf/logs

Binary: /u01/ims/vims/ccf/bin

9. OAM

OAM1:

Cài đặt: /u01/ims/vims/oam

Log: /u01/ims/vims/oam/log

Bianry: /u01/ims/vims/oam/bin

Ha\_framework1:

Cài đặt: /u01/ims/vims/ha\_framework

Log: /u01/ims/vims/ha\_framework/log

Bianry: /u01/ims/vims/ha\_framework/bin

Mysql:

Cài đặt: /u01/ims/mysql

Log: /u01/ims/mysql/data

Binary: /u01/ims/mysql/bin

**Confd:**

Cài đặt: /opt/confd/current

Log: /opt/confd/current/var/confd/log

Binary: /opt/confd/current/bin

**EMS\_AGENT@172.16.1.174:**

Cài đặt: /u01/ims/vims/ems\_agent

Log: /u01/ims/vims/ems\_agent/log

Binary: /u01/ims/vims/ems\_agent/bin

**STATUS SIPGW**

II. GIÁM SÁT HỆ THỐNG EMS

III. Cauas hinh qua CLI

**Init mode:**

Config

Ext-config

Exit

Show

**Extern-config**

Backup confd name backup\_oam

Changepwd

changuerpwd

Dis, enable; [csdia01@172.16.1.174](mailto:csdia01@172.16.1.174) cs\_dia44

Exit

Get

No: subcri, alarm, alarm\_severity, SS

alarm :delete alarm

alarm\_severity :no alarm\_severity

alarm\_user\_mapping :alarm user mapping sms

ftpserver :ftp server

subcriber :Delete user subcribe on system

user :delete user from IMS system

pushCDR

restart

restore

Set

alarm :get alarm information

alarm\_severity :add/mod alarm severity

alarm\_user\_mapping :alarm user mapping sms

ftpserver :ftp server

user :add/mod user into IMS system

show

alarm :get alarm information

alarm\_current :get alarm information log

alarm\_history :get alarm history

alarm\_severity :show severity

alarm\_terminated :Get alarm terminated

alarm\_user\_mapping :alarm user mapping sms

confd-backup-dir :Netconfig Backup Directories

ftpserver :ftp server

history :Command history

kpi :show kpi value

permission :User permission of IMS system

user :get information user in IMS system

start

ethcard :start ethcard server :get server status

stop

ethcard :start ethcard server :get server status

**MRHG:**

export HOME=/u01/ims

# Mssctl script path

MSSCTL\_PATH="/u01/ims/mrf/mrhg/releases/1/**mssctl**"

# SIGPR service script path

SIGPR\_SCRIPT\_PATH="/u01/ims/mrf/mrhg/releases/1/**sigprservice**"

# Erl path

ERL\_PATH="/usr/local/bin/erl"

# SIGPR log dir

MSSNG\_LOG="/u01/ims/mrf/mrhg/log"

# SIGPR database dir

MSSNG\_DB="/u01/ims/mrf/mrhg/bin/db"

# Cookie for SIGPR node

COOKIE=vIMS

# SIGPR node name

SIGPR\_NODE\_NAME="mrhg02@172.16.1.102"

# SIGPR instance

SIGPR\_INST=2

**MRLG:**

export HOME=/u01/ims

export DISPLAY=localhost:15.0

# Mssctl script path

MSSCTL\_PATH="/u01/ims/mrf/mrlg/releases/1/**mssctl**"

# MRC service script path

MSS\_SCRIPT\_PATH="/u01/ims/mrf/mrlg/releases/1/**mrcservice**"

# Erl path

ERL\_PATH="/usr/local/bin/erl"

# MSS log dir

MSSNG\_LOG="/u01/ims/mrf/mrlg/log"

# MSS database dir

MSSNG\_DB="/u01/ims/mrf/mrlg/bin/db"

# Cookie for MSS node

COOKIE=vIMS

# MSS node name

MSS\_NODE\_NAME="mrlg02@172.16.1.102"

# MSS instance

MSS\_INST=2

**MRSIP:**

Mrsip02:

export HOME=/u01/ims/sipgw/

export RUNNER\_LOG\_DIR=/u01/ims/sipgw/log

export VMARGS\_PATH="/u01/ims/sipgw/rel/mrsip02.arg"

export RELX\_CONFIG\_PATH="/u01/ims/sipgw/rel/mrsip02.config"

export LOCAL\_ADDR\_NUM=1

export LOCAL\_ADDR\_IP1=172.16.1.102

export LOCAL\_ADDR\_PORT1=9060

export LOCAL\_ADDR\_PROTOCOL1=udp

export LOCAL\_ADDR\_ACCESS\_NUM=0

$HOME/bin/vsipgw $1

Mrsip02.arg

-name mrsip02@172.16.1.102

Mrsip02.config

mrsip02.error.log

mrsip02.console.log

mrsip02.crash.log

{confd\_addresses,[{"172.16.1.174",4565},{"172.16.1.102",4566}]}

**MEDIA:**

Mgw02:

export HOME=/u01/ims/vims/mgw

export RUNNER\_LOG\_DIR=$HOME/logs/

export VMARGS\_PATH="$HOME/etc/mgw02.args"

export RELX\_CONFIG\_PATH="$HOME/etc/mgw02.config"

export MGW\_TCP\_INFO="172.16.1.102:3945"

export MGW\_PC=3

export MGW\_SYS\_NAME="MGW\_IMS"

$HOME/bin/vmgw\_release $1

Mgw02.args

-name mgw02@172.16.1.102

Mgw02.config

**EMS:**

Oam:

Ha:

Mysql:

ls -lrt /u01/ims/mysql/

Confd:

ls -lrt /usr/lib64/ | grep pto

Ems\_agent:

Ssh\_config:

OAMWeb:3

Sip:

CP: vht\_ipsec.nif.so vào /usr/local/lib/

Confd\_cli

**Config**

**280**

**SSH vào ssh\_config: *ssh*** [***admin@10.70.66.10***](mailto:admin@10.70.66.10) ***–p8822* với pass:1; Đẻ set thông tin liên kết với cổng logic**

**[**vIMS]> config

\*\*IMS configure mode\*\*

**SBC:**

[vIMS](CONFIG)> sbc

\*\*Enter sbc mode \*\*

[vIMS](CONFIG/sbc/)>logic

**SBSIPA:**

**Show**: show full-config logic sipgw\_access\_info

**Thiết lập**: set logic sipgw\_access\_info sbsipa02@172.16.1.102 address\_info ip 172.16.2.62 unprotected\_port 5060 port\_s 5061 port\_c 5062 port\_tls 5063

**SBSIPC:**

**Show:** show full-config logic sipgw\_core\_node\_list

**Thiết lập:** set logic sipgw\_core\_node\_list [sbsipc02@172.16.1.102](mailto:sbsipc02@172.16.1.102)

**DIA: down**

**DB:**

**DNS:**

**IMSCORE:**

**CSSIPI:**

**CSSIPS:**

**MTSIP**

**MRSIP**

set diagw map\_connection\_server scscf\_3142\_2 cont\_value status active interface [ cxdx ] server\_name server\_A1

show full-config diagw diameter\_gw\_config

Ktra:

service mmtel1 remote\_console

ets:tab2list(node\_active).

rx\_203\_81\_2 local\_port 3868 app\_id [ 16777236 ] interface\_id [ rx ] proto tcp remote\_ip 172.16.1.126 remote\_port 3868 origin\_host pcscf.ims.mnc004.mcc452.3gppnetwork.org destination\_realm epc.ims.mnc004.mcc452.3gppnetwork.org node\_name [sbdia02@172.16.1.102](mailto:sbdia02@172.16.1.102)

mmtel\_sh\_2 local\_port 4022 app\_id [ 16777217 ] interface\_id [ sh ] proto sctp remote\_ip 172.16.1.134 remote\_port 3868 origin\_host mtelsh2.ims.mnc004.mcc452.3gppnetwork.org destination\_realm epc.ims.mnc004.mcc452.3gppnetwork.org node\_name mtdia02@172.16.1.102

mmtel\_ro\_2 local\_port 3873 app\_id [ 4 ] interface\_id [ ro ] proto tcp remote\_ip 172.16.1.126 remote\_port 3868 origin\_host mmtelro2.ims.mnc004.mcc452.3gppnetwork.org destination\_realm epc.ims.mnc004.mcc452.3gppnetwork.org node\_name [mtdia02@172.16.1.102](mailto:mtdia02@172.16.1.102)

rem\_mgc\_tcp\_info

mgw\_udp\_info

rem\_mp\_udp\_info

mgc\_tcp\_connections

mp\_udp\_connections