

问题描述

【MVS】F5 BIG-IP LTM硬件验机巡检信息收集方式（命令行）

解决方法

1、SSH登录BIG-IP后台命令行

```
[root@localhost:Active:Standalone] config #
```

2、输入tmsh命令进入tmos视图

```
[root@localhost:Active:Standalone] config # tmsh  
root@(localhost)(cfg-sync Standalone)(Active)/(Common)(tmos)#
```

3、输入需要收集的命令（空格键继续打印，Q键终止打印）

- (1) 查看系统版本信息
show sys version
- (2) 查看系统硬件信息
show sys hardware
- (3) 查看系统软件信息
show sys software
- (4) 查看系统性能信息（CPU、内存、连接数、吞吐等）
show sys performance all-stats
- (5) 查看系统日志信息
show sys log messages

4、命令参考示意

```
root@(localhost)(cfg-sync Standalone)(Active)/(Common)(tmos)# show sys versio  
n  
Sys::Version  
Main Package  
Product  BIG-IP  
Version  12.1.2  
Build    0.0.249  
Edition  Final  
Date     Wed Nov 30 16:04:00 PST 2016  
  
root@(localhost)(cfg-sync Standalone)(Active)/(Common)(tmos)# show sys hardw  
are  
Sys::Hardware  
Appliance Fan Status  
Index Status  
1    up  
2    up  
3    up  
4    up  
  
Appliance Information  
Maximum MAC Count 2  
Registration Key -  
  
Appliance Power Supply Status  
Index Status Current  
1    up    AC  
2    down  AC  
  
Inlet Temperature Status  
Index Lo Limit(C) Temp(degC) Hi Limit(C) Location  
1    0    26    44    Inlet
```

Hardware Version Information

Name HD1
Type physical-disk
Model WDC WD5003ABYZ-011FA0
Parameters -- --
Manufacturer Western Digital
SerialNumber WD-WMAYP0M96HXL
Size 465.76G
Firmware Version 01.01S03
Media Type HDD

Hardware Version Information

Name aom
Type aom
Model F5 BMC
Parameters -- --
Active Firmware 3.13
Backup Firmware 3.13
Boot loader version 3.02

Hardware Version Information

Name cpld
Type cpld
Model F5 CPLD
Parameters -- --
version 0x26

Hardware Version Information

Name cpus
Type base-board
Model Intel(R) Xeon(R) CPU D-1518 @ 2.20GHz
Parameters -- --
cache size 6144 KB
cores 8 (physical:4)
cpu MHz 1200.000
cpu sockets 1
cpu stepping 3

Hardware Version Information

Name hsb_lbb0
Type net
Model F5 High Speed Bridge LBB device
Parameters -- --
version Build: 4.0.20 lab 1

Name hsb_lbb1
Type net
Model F5 High Speed Bridge LBB device
Parameters -- --
version Build: 4.0.20 lab 1

Hardware Version Information

Name lcd
Type touchscreen

Model F5 LCD
Parameters -- --
Boot loader version 2.00
Firmware version 2.02

Name mainboard
Type base-board
Model F5
Parameters -- --
Assembly serial pca0379z02b8
Part number PCA-0379-03 REV B

Hardware Version Information

Name psu1
Type psu
Model 150047488
Parameters -- --
Firmware Revision 23.46
Location 1
Manufacturer GE
Revision 0:8
Serial number 16CS42215114

Name psu2
Type psu
Model 150047488
Parameters -- --
Firmware Revision 0.46
Location 2
Manufacturer GE
Revision 1:0
Serial number 18CS28028931

Hardware Version Information

Name qat0
Type coproc
Model Coletto Creek DH8925CL Crypto/Compression Coprocessor A0
Parameters -- --
version FW: 2.2.0

Name qat1
Type coproc
Model Coletto Creek DH8925CL Crypto/Compression Coprocessor A0
Parameters -- --
version FW: 2.2.0

Platform

Name BIG-IP i4600
BIOS Revision OBJ-0614-xx BIOS: 2.04.228.0 ME: 3.0.3.23 03/30/2017
Base MAC f4:15:63:53:ae:00

System Information

Type C115
Appliance Serial f5-paua-ppkt
Part Number 200-0390-01 REV G
Host Board Serial pca0379z02b8
Host Board Part Revision

```
root@(localhost)(cfg-sync Standalone)(Active)(/Common)(tmos)# show sys software
```

Sys::Software Status

Volume	Product	Version	Build	Active	Status
--------	---------	---------	-------	--------	--------

HD1.1	BIG-IP	12.1.2	0.0.249	no	complete
HD1.2	BIG-IP	12.1.2	0.0.249	yes	complete
HD1.3	BIG-IP	13.1.0.2	0.0.6	no	complete

Sys::Software Update Check

Check Enabled	true
Phonehome Enabled	true
Frequency	weekly
Status	failure
Errors	6

```
root@(localhost)(cfg-sync Standalone)(Active)(/Common)(tmos)# show sys performance all-stats
```

Sys::Performance System

System CPU Usage(%)	Current	Average	Max(since 04/15/24 23:17:12)
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Utilization	12	12	34
-------------	----	----	----

Memory Used(%)	Current	Average	Max(since 04/15/24 23:17:12)
----------------	---------	---------	------------------------------

TMM Memory Used	2	2	2
Other Memory Used	54	55	55
Swap Used	0	0	0

Sys::Performance Connections

Active Connections	Current	Average	Max(since 04/15/24 23:17:12)
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Connections	0	0	0
-------------	---	---	---

Total New Connections(/sec)	Current	Average	Max(since 04/15/24 23:17:12)
-----------------------------	---------	---------	------------------------------

Client Connections	0	0	0
Server Connections	0	0	0

HTTP Requests(/sec)	Current	Average	Max(since 04/15/24 23:17:12)
---------------------	---------	---------	------------------------------

HTTP Requests	0	0	0
---------------	---	---	---

Sys::Performance Throughput

Throughput(bits)(bits/sec)	Current	Average	Max(since 04/15/24 23:17:12)
----------------------------	---------	---------	------------------------------

Service	0	0	0
---------	---	---	---

```
In          0  0          0
Out         0  0          0
```

```
-----
SSL Transactions      Current Average Max(since 04/15/24 23:17:12)
```

```
-----
SSL TPS              0  0          0
```

```
-----
Throughput(packets)(pkts/sec) Current Average Max(since 04/15/24 23:17:12)
```

```
-----
Service             0  0          0
In                  0  0          0
Out                 0  0          0
```

```
Sys::Performance Ramcache
```

```
-----
RAM Cache Utilization(%) Current Average Max(since 04/15/24 23:17:12)
```

```
-----
Hit Rate            -nan  -nan        -nan
Byte Rate           -nan  -nan        -nan
Eviction Rate       -nan  -nan        -nan
```

```
root@(localhost)(cfg-sync Standalone)(Active)(/Common)(tmos)# show sys log
messages
```

```
Sys::Log
```

```
messages 04-15 03:10:05 notice localhost syslog-ng[2990]: Configuration reload request received, reloading configuration;
```

```
messages 04-15 03:10:06 notice localhost pendsect[21912]: pendsect: /dev/sda no Pending Sectors detected
```