

# 简介

本文描述Cisco网络收敛系统(NCS) 6000平台独立CLI In命令Cisco IOS XR版本更改与思科运营商级路由系统(CRS)的5.0.1 (CRS)路由器比较运行Cisco IOS XR其他版本。

本文供是与Cisco IOS XR的熟悉的并且要了解的人使用什么CLI变动用NCS 6008和版本5.0.1做了。

**注意：**本文不讨论更改的平台从属的(PD)命令也为NCS 6008平台不特别地创建。

## 先决条件

### 要求

思科建议您有这些主题一高层次知识：

- Cisco IOS XR CLI命令
- NCS 6008体系结构

### 使用的组件

本文限制到在NCS 6008运行的Cisco IOS XR版本5.0.1。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

## 如何使用本文

NCS在本文列出的6008 Platform独立命令为NCS 6008和Cisco IOS XR版本5.0.1更改。以字母顺序列出每命令。更改的摘要以及提供关于特定差异的其他详细信息。每命令与适当命令参考指南被链接，当联机。

示例CLI输出了，并且比较跟CRS CLI输出为许多命令包括。

迈纳或梅杰的意义被选定每命令为了帮助读者识别从是仅较小语法、选项或者输出更改的那些的重大的更改。

## 附上

参考系统管理命令参考的[附上](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**选项从EXEC模式是可得到。

**详细信息：**为了连接到从远程位置的一台主机，请使用location命令的附上在系统管理员EXEC和

XR EXEC模式。此操作与运行轻微有所不同**attach命令**在CRS平台由于系统管理员(Sysadmin)和XR虚拟机(VMs)的分离在Cisco IOS XR版本5.0.1。对于每个线路卡和路由处理器(RP)，那里存在系统管理员VM和XR VM的一主机shell。

**意义：迈纳**

**这是您如何附加对一个线路卡或RP从XR VM：**

```
RP/0/RP0/CPU0:ncs6k#attach ?
location Specify a location
RP/0/RP0/CPU0:ncs6k#attach location ?
0/0/CPU0 Fully qualified location specification
0/7/CPU0 Fully qualified location specification
0/RP0/CPU0 Fully qualified location specification
0/RP1/CPU0 Fully qualified location specification
WORD Fully qualified location specification
```

```
RP/0/RP0/CPU0:ncs6k#attach location 0/0/CPU0
```

```
Mon Jan 20 10:03:53.863 UTC
```

```
[xr-vm_node0_0_CPU0:~]$ export PS1=#
```

```
#
```

```
#
```

```
#
```

```
#exit
```

```
RP/0/RP0/CPU0:ncs6k#attach location 0/RP?????1/CPU0 ??????
```

```
Mon Jan 20 10:04:08.287 UTC
```

```
[xr-vm_node0_RP1_CPU0:~]$ export PS1=#
```

```
#
```

```
#
```

```
#exit
```

**这是您如何附加对一个线路卡或RP从Sysadmin VM：**

```
RP/0/RP0/CPU0:ncs6k#admin
```

```
Mon Jan 20 10:04:30.400 UTC
```

```
root connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0
```

```
sysadmin-vm:0_RP0# attach ?
```

```
Possible completions:
```

```
location node ID, in #/#/CPU# format
```

```
sysadmin-vm:0_RP0# attach location ?
```

```
Possible completions:
```

```
0/0 0/7 0/RP0 0/RP1
```

```
sysadmin-vm:0_RP0# attach location 0/0
```

```
Mon Jan 20 10:05:08.279 UTC
```

```
[sysadmin-vm:0_0:~]$ exec chvrf 2 bash
```

```
[sysadmin-vm:0_0:~]$
```

```
[sysadmin-vm:0_0:~]$
```

```
[sysadmin-vm:0_0:~]$ exit
```

```
sysadmin-vm:0_RP0# attach location 0/RP1
```

```
Mon Jan 20 10:05:27.960 UTC
[sysadmin-vm:0_RP1:~]$ exec chvrf 2 bash
[sysadmin-vm:0_RP1:~]$
[sysadmin-vm:0_RP1:~]$
[sysadmin-vm:0_RP1:~]$ exit
```

```
sysadmin-vm:0_RP0#
sysadmin-vm:0_RP0#
```

## clear context

参考系统管理命令参考的[clear context](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有较小行为更改。

**详细信息：**它有同样CLI选项。

**意义：**迈纳

## 复制

参考系统管理命令参考的[复制](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**一些选项不是可用的。复制在Sysadmin VM和XR VM之间是很难的。

**详细信息：**FTP为在XR VM复制CLI下的文件传输支持。

Sysadmin VM和XR VM文件系统分开。Sysadmin和XR VMs有**光盘**：并且**disk0**：目录。当您复制或从**disk0**的install add包：或者**光盘**：从XR VM必须复制的包(iso安装，可选包，XR SMUs)到XR VM文件系统。在他们执行install add操作前，Sysadmin VM SMUs复制对Admin VM文件系统。

**意义：**梅杰

```
RRP/0/RP0/CPU0:NCS6008-SJ#copy ?
 /recurse          Recursively list subdirectories encountered
WORD              Copy from file
access-list       Access lists
disk0:            Copy from disk0: file system
disk1:            Copy from disk1: file system
ftp:              Copy from ftp: file system
harddisk:         Copy from harddisk: file system
prefix-list       Prefix lists
running-config    Copy from current system configuration
tftp:             Copy from tftp: file system
xml-schema        Copy XML schema files as a tar ball file (.tar.gz)
```

```
RP/0/RP0/CPU0:NCS6008-SJ#admin
```

```
Wed Feb 19 18:08:46.614 UTC
```

```
cisco connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0
```

```
sysadmin-vm:0_RP0# copy ?
```

```
Possible completions:
```

```
<WORD>          Name of the file
config:         Copy from config: file system
disk0:         Copy from disk0: file system
harddisk:      Copy from harddisk: file system
log:           Copy from log: file system
recurse        Recursively list subdirectories encountered
rootfs:        Copy from rootfs: file system
running-config Copy running config to file, overwriting it if it exists
tftp:          Copy from tftp: file system
```

## 描述

**摘要：**有较小输出更改。命令是可用的在XR VM和在Sysadmin VM。

命令输出表明有对需要的TaskIDs的一些更改为了运行XR on命令CRS与在NCS-6008。

**详细信息：**当请描述时用于Sysadmin VM，它工作为一些命令，但是不为其他。此命令输出Sysadmin VM版本显示呼叫的Linux操作系统(OS)命令为了执行in命令Sysadmin VM。因为TaskIDs没有用于为了执行Sysadmin VM命令，描述输出在Sysadmin VM不包括该信息，当使用。

## 意义：迈纳

```
RP/0/RP1/CPU0:NCS6008-A#describe show install active
```

```
The command is defined in instmgr_cmd.parser
```

```
User needs ALL of the following taskids:
```

```
root-system (READ) or cisco-support (READ) or root-lr (READ)
```

```
It will take the following actions:
```

```
Thu Jun 25 08:40:38.485 UTC
```

```
Spawn the process:
```

```
sdr_instcmd show install active
```

```
RP/0/RP0/CPU0:CRS-J#describe show install active
```

```
The command is defined in instmgr_cmds.parser
```

```
Node 0/RP0/CPU0 has file instmgr_cmds.parser for boot package
/disk0/hfr-os-mpi-4.3.1/0x100008/mbihfr-rp-x86e.vm from iosxr-infra
```

```
Package:
```

```
iosxr-infra
```

```
iosxr-infra V4.3.1[Default] IOS-XR Infra Package Definition
```

```
Vendor : Cisco Systems
```

```
Desc : IOS-XR Infra Package Definition
```

```
Build : Built on Sun May 12 03:53:02 UTC 2013
```

```
Source : By iox-bld2 in /auto/srcarchive7/production/4.3.1/all/workspace
```

```
for pie
```

Card(s): RP, RP-B, HRP, CRS-RP-X86, CRS8-RP-x86, CRS16-RP-x86, DRP,  
40G-MSB, 140G-MSB, SP, SC

Restart information:

Default:

parallel impacted processes restart

Size Compressed/Uncompressed: 87MB/214MB (40%)

Component:

installmgr.x86e V0.0.5[r43x/12] On the box installation program

File:

instmgr\_cmds.parser

Card(s) : CRS-RP-X86, CRS8-RP-x86, CRS16-RP-x86

File type : Default

Remotely-hosted : No

Local view : /pkg/parser/instmgr\_cmds.parser

Local install path : /disk0/iosxr-infra-4.3.1/0x100008/parser/instmgr\_cmds.parser

(Compressed)

Central install path : /disk0/iosxr-infra-4.3.1/0x100008/parser/instmgr\_cmds.parser

(Compressed)

Uncompressed size : 116KB

Compressed size : 45KB

Uncompressed MD5 : 697582f5d5318bf583b5c3329adad088

Compressed MD5 : ef9cad3bf493e9f8173520b513a7c777

User needs ALL of the following taskids:

pkg-mgmt (READ)

It will take the following actions:

Tue Feb 11 21:57:54.803 UTC

Spawn the process:

instcmd show install active

RP/0/RP1/CPU0:NCS6008-A#**admin**

sysadmin-vm:0\_RP1# describe show media

Thu Jun 25 09:09:59.573 UTC

Common

Source : clispec

File : /opt/cisco/calvados/confd/etc/confd/schema/showmedia.cli

Callback [os command]

OS command : **/opt/cisco/calvados/confd/etc/confd/scripts/show\_media.sh**

Help

display media info

Info

display media info

sysadmin-vm:0\_RP1# **run**

Thu Jun 25 09:14:45.756 UTC

```
[sysadmin-vm:0_RP1:~]$ /opt/cisco/calvados/confd/etc/confd/scripts/show_media.sh
```

```
-----  
Partition                Size      Used  Percent   Avail  
-----  
rootfs:                  2.9G     480M    18%      2.3G  
log:                     494M     103M    22%      366M  
config:                  494M      24M     6%      445M  
disk0:                   965M      25M     3%      892M  
harddisk:                37G      1.5G    5%       34G  
-----  
rootfs: = root file system (read-only)  
log: = system log files (read-only)  
config: = configuration storage (read-only)
```

## dumpcore

参考系统管理命令参考的[dumpcore](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有对CLI选项和行为的次要变化。

**详细信息：**进程corehelper使用而不是倾销者。当dumpcore运行在NCS时被执行，有在Syslog的减少的输出，因为Crash信息没有写入对Syslog乘倾销者。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-A#dumpcore ?
```

```
running      Perform a core dump for a running process  
suspended   Suspend the process while generating core and resume afterwards
```

```
RP/0/RP0/CPU0:NCS6008-A#dumpcore running admin-cli-proxy-xr_static
```

```
Sat Jan 31 23:54:27.345 UTC
```

```
Dump core Succeeded
```

```
RP/0/RP0/CPU0:Jan 31 23:54:27.422 : corehelper[139]: dump_core starts, only one  
core is dumped at a time
```

```
RP/0/RP0/CPU0:Jan 31 23:54:27.600 : corehelper[139]: Copied core  
admin-cli-proxy-xr_static.14548.by.user.19700131-235427.xr-vm_node0_RP0_CPU0.9e781.core.gz  
to 0/RP0/CPU0:/misc/disk1
```

```
RP/0/RP0/CPU0:Jan 31 23:54:27.601 : corehelper[139]: Deleted core file  
admin-cli-proxy-xr_static.14548.by.user.19700131-235427.xr-vm_node0_RP0_CPU0.9e781.core.gz.
```

```
RP/0/RP0/CPU0:CRS-J#dumpcore running bgp
```

```
Fri Nov 15 17:56:33.834 UTC
```

```
RP/0/RP0/CPU0:Nov 15 17:56:33.852 : dumper[61]: %OS-DUMPER-7-DUMP_REQUEST :  
Dump request for process pkg/bin/bgp
```

```
RP/0/RP0/CPU0:Nov 15 17:56:33.853 : dumper[61]: %OS-DUMPER-7-DUMP_ATTRIBUTE :  
Dump request with attribute 7 for process pkg/bin/bgp
```

```
RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-4-CORE_INFO :  
Core for pid = 549148 (pkg/bin/bgp) requested by pkg/bin/dumper_gen@node0_RP0_CPU0
```

```
RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-7-PROC_PAGES :  
Process memory pages 581
```

```

RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-6-FALLBACK_CHOICE :
Fall back choice: 0(harddisk:/dumper) in use
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      EDI      ESI  EBP(fp)      EXX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      R0      1031b8bc  041ff980  041ff95c  e899ab58
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      EBX      EDX      ECX      EAX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      R4      1031b99c  082657da  041ff8dc  0000000e
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      EIP(pc)      CS      EFL      ESP
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      R8      082657da  000000f3  80001202  041ff8dc
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      SS
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      R12     000000fb
RP/0/RP0/CPU0:Nov 15 17:56:33.857 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#0  0x82657da
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#1  0x81ef5d3
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#2  0x81f1605
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#3  0x81f287b
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#4  0xb439fb4
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#5  0x424d770
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#6  0x4202080
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-INSTALL_PKG_SHOW_FAILED :
active installed packages show failed: Information not available
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO_HEAD :
DLL path      Text addr.  Text size  Data addr.  Data size  Version
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libplatform.dll  0x08178000  0x0000a000  0x08182000
0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libsystemgr.dll  0x08186000  0x00018000  0x0819e000  0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcerrno.dll  0x0819f000  0x00003000  0x081a2000
0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libios.dll  0x081a3000  0x0002f000  0x081d2000
0x00002000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libss_common.dll  0x081d4000  0x00007000  0x081db000
0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinfra.dll  0x081dc000  0x00003e000  0x0821a000

```

0x00003000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/lib/libltrace.dll 0x0821d000 0x0000b000 0x08228000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/lib\_platform\_infra\_ltrace.dll 0x08229000 0x00001000  
0x0822a000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libcsemlock.dll 0x0822b000 0x00003000 0x0822e000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libpcds.dll 0x08233000 0x00008000 0x0823b000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/lib/libc.dll 0x08241000 0x0007c000 0x082bd000 0x00003000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/lib\_procfs\_util.dll 0x082c6000 0x00004000  
0x082ca000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libsyslog.dll 0x082cb000 0x00004000 0x082cf000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libbackplane.dll 0x082d0000 0x00002000 0x082d2000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libnodeid.dll 0x082d3000 0x00009000 0x082dc000  
0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libpackage.dll 0x08341000 0x00062000 0x083a3000  
0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libdebug.dll 0x083ba000 0x0000f000 0x083c9000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libnotify.dll 0x08400000 0x00030000 0x08430000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libinst\_debug.dll 0x08431000 0x00003000 0x08434000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/lib\_shmwin\_pl\_vm.dll 0x08444000 0x00001000  
0x08445000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/lib\_mutex\_monitor.dll 0x08453000 0x00002000  
0x08455000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libshmwin.dll 0x08456000 0x00012000 0x08468000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libcci\_client.dll 0x085de000 0x0000b000 0x085e9000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libcci\_hal.dll 0x085ea000 0x0000e000 0x085f8000



0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libtlv.dll 0x08c75000 0x00004000 0x08c79000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/lib\_i2c\_client\_api.dll 0x08d9a000 0x00012000  
0x08dac000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdb.dll 0x08e00000 0x0003e000  
0x08e3e000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbutils.dll 0x08e3f000 0x00012000  
0x08e51000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libship.dll 0x08e80000 0x00007000 0x08e87000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd\_notif.dll 0x08e88000 0x00008000  
0x08e90000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libpkgfs\_query.dll 0x08ea9000 0x00002000  
0x08eab000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libshmalloc.dll 0x08ebc000 0x00005000 0x08ec1000  
0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libredcon.dll 0x08ec2000 0x00006000  
0x08ec8000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libpacket\_common.dll 0x08ee1000 0x00015000  
0x08ef6000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libgroup.dll 0x08ef7000 0x0001b000  
0x08f12000 0x00003000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libgsputils.dll 0x08f24000 0x0000c000  
0x08f30000 0x00003000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/hfr-base-4.1.2/0x100008/lib/redcon\_plfm.dll 0x08fa3000 0x00003000  
0x08fa6000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libinfra\_nsr.dll 0x0901f000 0x00008000  
0x09027000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/hfr-base-4.1.2/0x100008/lib/lib\_cctl\_client\_api.dll 0x0903d000  
0x0001d000 0x0905a000 0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip\_tlvlib.dll 0x09219000 0x00003000  
0x0921c000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbag.dll 0x09223000 0x00007000  
0x0922a000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/hfr-base-4.1.2/0x100008/lib/libfabaddr.dll 0x09267000 0x00003000  
0x0926a000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libens.dll 0x09283000 0x00010000  
0x09293000 0x00002000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/lib\_spp\_client.dll 0x092ac000 0x00012000  
0x092be000 0x00002000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnrsutils.dll 0x09337000 0x00005000  
0x0933c000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libpacket.dll 0x093dc000 0x00012000 0x093ee000  
0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnrs.dll 0x094a0000 0x00007000  
0x094a7000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libifmgr.dll 0x09778000 0x00042000  
0x097ba000 0x00003000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD\_PATH :  
Choice 0() either not configured or bad path at <3524>. Trying next choice.

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libim\_util.dll 0x097c4000 0x00021000  
0x097e5000 0x00009000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD\_PATH :  
Choice 1() either not configured or bad path at <3384>. Trying next choice.

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/librpc.dll 0x09800000 0x00008000  
0x09808000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD\_PATH :  
Choice 2() either not configured or bad path at <3384>. Trying next choice.

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libasync.dll 0x09840000 0x0000d000  
0x0984d000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD\_PATH :  
Choice 3() either not configured or bad path at <3384>. Trying next choice.

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libcbp.dll 0x0984e000 0x00007000  
0x09855000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbbackend.dll 0x099d0000  
0x00006000 0x099d6000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipaddr\_cons.dll 0x09ae7000  
0x0001f000 0x09b06000 0x00004000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libiparmaddr.dll 0x09b0a000  
0x00002000 0x09b0c000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libiparmtlv.dll 0x09b0d000 0x00002000

0x09b0f000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbackend\_sysdb.dll 0x09b4c000  
0x00006000 0x09b52000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbackend\_parser.dll 0x09b53000  
0x00003000 0x09b56000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd\_evm.dll 0x09b83000 0x00004000  
0x09b87000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/hfr-fwding-4.1.2/0x100008/lib/lib\_ppfi\_buffhdr.dll 0x09b88000  
0x00014000 0x09b9c000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/hfr-fwding-4.1.2/0x100008/lib/libhfr\_buffhdr\_hal.dll 0x09b9d000  
0x00004000 0x09ba1000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbhelper.dll 0x09c1d000  
0x00004000 0x09c21000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi.dll 0x0a0fc000 0x0000d000  
0x0a109000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi\_util.dll 0x0a11b000 0x00003000  
0x0a11e000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libpacket\_netio.dll 0x0a13e000 0x0000b000  
0x0a149000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi\_dbg.dll 0x0a14a000 0x00002000  
0x0a14c000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/librp\_isolation.dll 0x0a152000  
0x00002000 0x0a154000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libnsr\_platform.dll 0x0a1dc000 0x00003000  
0x0a1df000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi\_ifh.dll 0x0a1fb000 0x00005000  
0x0a200000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/hfr-os-4.1.2/0x100008/lib/libhfr\_spp\_client.dll 0x0a235000 0x00006000  
0x0a23b000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi\_util.dll 0x0a24c000 0x00002000  
0x0a24e000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxipc.dll 0x0a26f000 0x00004000  
0x0a273000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip\_bgp\_attr\_util.dll 0x0a2af000  
0x00002000 0x0a2b1000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnsr\_qad\_client.dll 0x0a2cd000  
0x00008000 0x0a2d5000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv6\_acl.dll 0x0a2db000 0x0001a000  
0x0a2f5000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libimattrclient.dll 0x0a2f9000  
0x00018000 0x0a311000 0x00002000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4\_acl.dll 0x0a315000 0x00023000  
0x0a338000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv6\_acl\_support.dll 0x0a354000  
0x00004000 0x0a358000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libpcl.dll 0x0a359000 0x00021000  
0x0a37a000 0x00002000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4\_acl\_support.dll 0x0a395000  
0x00002000 0x0a397000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv6\_ma\_las.dll 0x0a39a000  
0x00008000 0x0a3a2000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbsd\_addr\_presentation.dll 0x0a3ee000  
0x00002000 0x0a3f0000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4.dll 0x0a406000 0x00008000  
0x0a40e000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip\_addr.dll 0x0a4a3000 0x00003000  
0x0a4a6000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libbfd\_ltrace.dll 0x0a92a000  
0x00008000 0x0a932000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libipv4\_rib.dll 0x0a9cf000 0x00014000  
0x0a9e3000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/lib\_ipv6\_rib.dll 0x0ab5a000 0x0000f000  
0x0ab69000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip\_rib.dll 0x0abae000 0x00012000  
0x0abc0000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsocket.dll 0x0acc9000 0x0001c000  
0x0ace5000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-6-FALLBACK\_CHOICE :  
Fall back choice: 4(dumper\_harddisk:/dumper) in use

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/liboradock.dll 0x0ad07000 0x00013000

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0x0ad1a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/librasf.dll 0x0ad1b000 0x0000a000
0x0ad25000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libauto_dll.dll 0x0ad2b000 0x00005000
0x0ad30000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/librpl_util.dll 0x0ad34000 0x00002000
0x0ad36000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/librib_ora.dll 0x0ad37000 0x00004000
0x0ad3b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/liborashared.dll 0x0ad3c000
0x0000e000 0x0ad4a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_policy_ora_v1_0_0.dll
0x0ad4b000 0x0003a000 0x0ad85000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_damp_ora_v1_0_0.dll 0x0ad8f000
0x00006000 0x0ad95000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libbfd_client.dll 0x0add7000
0x0000a000 0x0ade1000 0x00009000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/liblsd.dll 0x0ae04000 0x0000c000
0x0ae10000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_util_common.dll 0x0b433000
0x0001a000 0x0b44d000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_debug.dll 0x0b44f000
0x0000b000 0x0b45a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_sysdb_util.dll 0x0b45c000
0x00018000 0x0b474000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af_lib.dll 0x0b477000
0x00009000 0x0b480000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_import.dll 0x0b481000
0x00017000 0x0b498000 0x00077000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-5-CORE_FILE_NAME :
Core for process pkg/bin/bgp at harddisk:
/dumper/first.bgp_1036.by.dumper_gen.node0_RP0_CPU0.x86.Z on local_node
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_db.dll 0x0b50f000
0x00009000 0x0b518000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attr_extcomm.dll 0x0b533000
0x00004000 0x0b537000 0x00001000 0
```

RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_vrf\_util.dll 0x0b538000  
0x00012000 0x0b54a000 0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_af.dll 0x0b54c000 0x0000f000  
0x0b55b000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_table.dll 0x0b55c000 0x00039000  
0x0b595000 0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_nbr.dll 0x0b597000 0x0000a000  
0x0b5a1000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi\_prod.dll 0x0b5a2000 0x00004000  
0x0b5a6000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_policy.dll 0x0b5a7000 0x00010000  
0x0b5b7000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libpcl\_v1\_0\_ora.dll 0x0b5b8000  
0x00003000 0x0b5bb000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_sysdb.dll 0x0b5bc000 0x00034000  
0x0b5f0000 0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libtcp\_sso\_client.dll 0x0b5f2000  
0x00005000 0x0b5f7000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_aggregate.dll 0x0b5f8000  
0x0000e000 0x0b606000 0x0003a000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_rib.dll 0x0b640000 0x00026000  
0x0b666000 0x00002000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_rib\_lookup.dll 0x0b668000  
0x00003000 0x0b66b000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_import.dll 0x0b66c000 0x00014000  
0x0b680000 0x00006000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_scanner.dll 0x0b686000 0x0002b000  
0x0b6b1000 0x0000a000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_label.dll 0x0b6bb000 0x0001a000  
0x0b6d5000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_ipv4\_unicast.dll 0x0b6d6000  
0x00003000 0x0b6d9000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbpgp\_vpnv4\_unicast.dll 0x0b6da000  
0x00003000 0x0b6dd000 0x00001000 0  
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :

```
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_unicast.dll 0x0b6de000
0x00003000 0x0b6e1000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vpnv6_unicast.dll 0x0b708000
0x00003000 0x0b70b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxp.dll 0x0b70c000 0x0001f000
0x0b72b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libdom.dll 0x0b72c000 0x00004000
0x0b730000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/cisco_ipv6_lib.dll 0x0b731000
0x00003000 0x0b734000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libl2vpn_ad.dll 0x0b735000 0x00007000
0x0b73c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_addr_cache.dll 0x0b75a000
0x00003000 0x0b75d000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv4_common.dll 0x0b787000
0x0000b000 0x0b792000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af_common.dll 0x0b793000
0x00002000 0x0b795000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_common.dll 0x0b811000
0x0000b000 0x0b81c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attrbag.dll 0x0b88e000
0x00002000 0x0b890000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipt_biscuit_bgp.dll 0x0b891000
0x00005000 0x0b896000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:37.049 : dumper[61]: %OS-DUMPER-5-DUMP_SUCCESS :
Core dump success
RP/0/RP0/CPU0:Nov 15 17:56:37.420 : dumper[61]: %OS-DUMPER-6-CORE_MD5 :
harddisk:/dumper/first.bgp_1036.by.dumper_gen.node0_RP0_CPU0.x86.Z has just
been written. size:16907006 md5:ef2cd0fd4c45c434c03f858974033543
```

## 跟随

参考系统管理命令参考的[跟随](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**与输出一起的选项更改。

**意义：**迈纳

# 安装

参考系统管理命令参考的[安装](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有选项更改与输出一起。在XR VM和Sysadmin VM模式的联机。

**详细信息：**版本5.0.1仅支持路由器的单个系统升级安装步骤从XR VM。版本5.0.1不支持一版本的一个分开的安装Sysadmin VM和XR VM的，除了软件维护更新(SMU)安装。必须从正确VM安装每个VM的SMUs (Sysadmin或XR)。必须从XR VM安装可选包。

**安装准备**option命令被添加为了减少升级/维护停机时间。 **安装准备**命令没有要求。

**安装中止**选项贬抑。没有规划在将来支持它。

**Install rollback**在版本5.0.1删除。fallback/对版本的回退对待其他安装进程。

**Install commit**没有要求并且是隐式在版本5.0.1。因为进行自动， **install commit**命令是可用的在版本5.0.1，但是不是需要的。

在版本5.2.1中， **install commit**将停下来隐式，并且请要求一明确**install commit**。

在以后的版本，对**install rollback**的能力与对**install commit**命令的更改一起将介绍。

**意义：**梅杰

```
RP/0/RP0/CPU0:NCS#install ?
activate    Activate software package(s)
add         Add package file(s) to software repository
commit      Commit changes to the active software
deactivate  Deactivate software package(s)
prepare     Prepare software package(s) to be activated
remove      Remove package file(s) from software repository
verify      verifies packages present on the router

RP/0/RP0/CPU0:TLAB97-NCS1#
RP/0/RP0/CPU0:TLAB97-NCS1#admin
Wed Dec 11 03:41:00.393 EST

admin connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0
sysadmin-vm:0_RP1# install ?
Possible completions:
activate    Activate rpm(s) and iso and smu(s).
add         add rpm(s) and iso to the software repository.
commit      commit changes to the active software
deactivate  deactivate rpm(s) and iso and smu(s).
prepare     prepare rpm(s) and iso for activation.
remove      remove rpm(s) and iso from install repository.
verify      verifies packages present on the router
```

## 监视器进程

参考系统管理命令参考的[监视器Processes](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。



**摘要：**有较小选项和输出更改。

**详细信息：**位置选项不是可用的。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-A#monitor processes ?
dumbtty  Disable screen management
<cr>
```

```
RP/0/RP0/CPU0:CRS-K#monitor processes ?
dumbtty  Disable screen management
location Location
<cr>
```

## show configuration

参考系统管理命令参考的[show configuration](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**show configuration命令输出是与经典XR不同。

**详细信息：**关键字联机为Sysadmin VM更改。XR VM的关键字依然是同一样与经典XR。

**意义：**迈纳

XR VM -同传统IOS-XR一样

```
RP/0/RP1/CPU0:NCS6k#show config ?
backup System configuration backup information
commit      Show commit information
failed      Contents of failed configuration
history     Display history of configuration events (up to 1500 events)
inconsistency Configuration inconsistencies
lock        Configuration lock
persistent Show persistent configuration
removed     Display configuration removed during install operations
rollback    Show rollback information
running-config Current operating configuration
sessions    Users with active configuration sessions
trace       Show trace data for config shell
Sysadmin VM - (作为选项显示的仅进行关键字) :
```

```
sysadmin-vm:0_RP1# show configuraiton ?
Possible completions:
commit Commit configuration changes
```

```
RP/0/RP1/CPU0:CRS-H(admin)#show configuration ?
commit      Show commit information
failed      Contents of the failed configuration
history     Display history of configuration events (up to 1500 events)
inconsistency Configuration inconsistencies
```

lock	Configuration lock
persistent	Show persistent configuration
removed	Display configuration removed during install operations
rollback	Show rollback information
running	Current operating configuration
sessions	Users with active configuration sessions

## show context

参考系统管理命令参考的[show context](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**没有对CLI选项的重大的更改。较小CLI输出更改。

**详细信息：**内核文件保存的目录总是没有显示(光盘：默认情况下)。默认情况下crashinfo文件没有写入对目录和内核文件一样和保存对disk0:/core目录。**show context**命令和相关的crashinfo文件(.txt)包括失败的进程的每个线索的backtrace和寄存器信息在NCS 6008的

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-SJ#show context
```

```
Wed Feb 19 12:25:31.999 UTC
```

```
node:      node0_RP0_CPU0
```

```
-----  
Core for pid = 2117 (syslogd)
```

```
Core for process: syslogd_2117.by.11.20140219-122529.xr-vm_node0_RP0_CPU0.ddc58.core.gz
```

```
Core dump time: 2014-02-19 12:25:29.152358704 +0000
```

```
Process:
```

```
Core was generated by `syslogd'.
```

```
Signal information:
```

```
Program terminated with signal 11, Segmentation fault.
```

```
Faulting thread: 2117
```

```
Registers for Thread 2117
```

```
rax:      0xfffffffffffffffffc
```

```
rbx:      0x18
```

```
rcx:      0xffffffffffffffff
```

```
rdx:      0x40
```

```
rsi:      0x7fff640b9c40
```

```
rdi:      0x18
```

```
rbp:      0x7fff640b9fc0
```

```
rsp:      0x7fff640b9b90
```

```
r8:       0x0
```

```
r9:       0x200000
```

```
r10:      0xffffffff
```

```
r11:      0x293
```

```
r12:      0xbaef70
```

```
r13:      0x7fff640bb180
```

r14: 0x0  
r15: 0x0  
rip: 0x7fe0a588c683  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2117

#0 0x00007fe0a588c683 in epoll\_wait+0x33 from /lib64/libc-2.12.so  
#1 0x00007fe0aa343636 in msg\_receivev+0x29d from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#2 0x000000000041483a in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd  
#3 0x00007fe0a57c6cce in \_\_libc\_start\_main+0xfe from  
/lib64/libc-2.12.so  
#4 0x0000000000405869 in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd

Registers for Thread 2366

rax: 0xffffffffffffffe0  
rbx: 0x7fe0ab5b0bf0  
rcx: 0xffffffffffffff  
rdx: 0x7fe0ab5b0bac  
rsi: 0x7fe0ab5b0bf0  
rdi: 0xa  
rbp: 0x7fe0ab5b0c80  
rsp: 0x7fe0ab5b0b90  
r8: 0x6e  
r9: 0x1010101010101010  
r10: 0x22  
r11: 0x293  
r12: 0xa  
r13: 0x7fe0ab5b0bac  
r14: 0x7fe0ab673040  
r15: 0x3  
rip: 0x7fe0a588cc4d  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2366

```
#0 0x00007fe0a588cc4d in accept+0x2d from /lib64/libc-2.12.so
#1 0x00007fe0aa3537dd in lwm_debug_wait_for_conns+0xbe from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2 0x00007fe0aa353a2a in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#3 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#4 0x0000000000000003 in ?? ()
```

Registers for Thread 2367

```
rax: 0xffffffffffffffffc
rbx: 0x7fe0ab52fe30
rcx: 0xfffffffffffffffff
rdx: 0x0
rsi: 0x7fe0ab52fe30
rdi: 0x7fe0ab52fdb0
rbp: 0x7fe0ab52fee0
rsp: 0x7fe0ab52fcf0
r8: 0x0
r9: 0x7fe0ab530700
r10: 0x8
r11: 0x246
r12: 0x7fe0a559cc80
r13: 0x7fe0ab5309c0
r14: 0x7fe0ab673040
r15: 0x7fe0ab52fe30
rip: 0x7fe0a57dc7af
eflags: 0x246
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0
```

Backtrace for Thread 2367

```
#0 0x00007fe0a57dc7af in sigwaitinfo+0xdf from /lib64/libc-2.12.so
#1 0x00007fe0aa36a1a0 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3 0x00007fe0a559294b in start_thread+0x6b from /lib64/libpthread-2.12.so
#4 0x02c570128022879a in ?? ()
```

Registers for Thread 2369

```
rax: 0xffffffffffffffffc
rbx: 0x1
rcx: 0xfffffffffffffffff
rdx: 0x40
rsi: 0x7fe08eb6abb0
rdi: 0x4
```

rbp: 0x7fe08eb6aee0  
rsp: 0x7fe08eb6aa60  
r8: 0x7fe0ab44a4a0  
r9: 0x941  
r10: 0xffffffff  
r11: 0x293  
r12: 0x0  
r13: 0xb00001  
r14: 0x4  
r15: 0x3b  
rip: 0x7fe0a588c683  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2369

#0 0x00007fe0a588c683 in epoll\_wait+0x33 from /lib64/libc-2.12.so  
#1 0x00007fe0aa34fc0c in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so

Registers for Thread 2370

rax: 0xfffffffffffffffffc  
rbx: 0xb67b70  
rcx: 0xffffffffffffffffff  
rdx: 0x20  
rsi: 0xb67e00  
rdi: 0x6  
rbp: 0xb5e9c0  
rsp: 0x7fe08eae9790  
r8: 0xb68000  
r9: 0x0  
r10: 0xffffffff  
r11: 0x293  
r12: 0xb67e00  
r13: 0xe  
r14: 0x0  
r15: 0xb5e9c0  
rip: 0x7fe0a588c683  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2370

```
#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1 0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1
#2 0x00007fe0a276d076 in event_base_loop+0x1c6 from
/usr/lib64/libevent-2.0.so.5.0.1
#3 0x00007fe0a29a2a52 in levn_block+0x2a from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
#4 0x00007fe0aa36d216 in event_block+0x500 from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#5 0x00007fe0aa34dae5 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#6 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
```

Registers for Thread 2372

```
rax: 0xffffffffffffffe0
rbx: 0x7fe0ab608008
rcx: 0xffffffffffffff
rdx: 0x20
rsi: 0x0
rdi: 0x7fe0ab608034
rbp: 0x7fe08ea68ee0
rsp: 0x7fe08ea68e28
r8: 0x0
r9: 0x0
r10: 0x0
r11: 0x246
r12: 0x7fe0a559cc80
--More-- --More-- filtering...
```

Registers for Thread 2370

```
rax: 0xffffffffffffffc
rbx: 0xb67b70
rcx: 0xffffffffffffff
rdx: 0x20
rsi: 0xb67e00
rdi: 0x6
rbp: 0xb5e9c0
rsp: 0x7fe08eae9790
r8: 0xb68000
r9: 0x0
r10: 0xffffffff
r11: 0x293
r12: 0xb67e00
r13: 0xe
r14: 0x0
r15: 0xb5e9c0
rip: 0x7fe0a588c683
eflags: 0x293
cs: 0x33
ss: 0x2b
```

ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

#### Backtrace for Thread 2370

#0 0x00007fe0a588c683 in epoll\_wait+0x33 from /lib64/libc-2.12.so  
#1 0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1  
#2 0x00007fe0a276d076 in event\_base\_loop+0x1c6 from  
/usr/lib64/libevent-2.0.so.5.0.1  
#3 0x00007fe0a29a2a52 in levn\_block+0x2a from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcalvados\_infra.so  
#4 0x00007fe0aa36d216 in event\_block+0x500 from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#5 0x00007fe0aa34dae5 in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#6 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so

#### Registers for Thread 2372

rax: 0xffffffffffffffe0  
rbx: 0x7fe0ab608008  
rcx: 0xffffffffffffff  
rdx: 0x20  
rsi: 0x0  
rdi: 0x7fe0ab608034  
rbp: 0x7fe08ea68ee0  
rsp: 0x7fe08ea68e28  
r8: 0x0  
r9: 0x0  
r10: 0x0  
r11: 0x246  
r12: 0x7fe0a559cc80  
r13: 0x7fe08ea699c0  
--More-- --More-- r14: 0x7fe0ab673040  
r15: 0x3  
rip: 0x7fe0a55969ac  
eflags: 0x246  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

#### Backtrace for Thread 2372

#0 0x00007fe0a55969ac in pthread\_cond\_wait@@GLIBC\_2.3.2+0xcc from  
/lib64/libpthread-2.12.so  
#1 0x00007fe0a5b22672 in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libosag.so

#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so

Registers for Thread 2417

rax: 0xffffffffffffffe0  
rbx: 0x0  
rcx: 0xffffffffffffff  
rdx: 0x0  
rsi: 0x0  
rdi: 0x11  
rbp: 0x7fe08e8ceee0  
rsp: 0x7fe08e8ced00  
r8: 0x2  
r9: 0x971  
r10: 0x80000  
r11: 0x246  
r12: 0x7fe0ab452640  
r13: 0x7fe08e8cf9c0  
r14: 0x7fe0ab673040  
r15: 0x3  
rip: 0x7fe0a588d52f  
eflags: 0x246  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2417

#0 0x00007fe0a588d52f in accept4+0x5f from /lib64/libc-2.12.so  
#1 0x00007fe0ab248557 in backing\_thread+0xe2 from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libmalloc\_stat.so.0.0.1  
#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

Registers for Thread 2544

rax: 0xffffffffffffffc  
rbx: 0xbb6290  
rcx: 0xffffffffffffff  
rdx: 0x20  
rsi: 0xbb6560  
rdi: 0x1f  
rbp: 0xbb6520  
rsp: 0x7fe08efa0b40  
r8: 0x1  
r9: 0x9f0  
r10: 0xffffffff  
r11: 0x293  
r12: 0xbb6560



r13: 0xd  
r14: 0x0  
r15: 0xbb6520  
rip: 0x7fe0a588c683  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

#### Backtrace for Thread 2544

#0 0x00007fe0a588c683 in epoll\_wait+0x33 from /lib64/libc-2.12.so  
#1 0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1  
#2 0x00007fe0a276d076 in event\_base\_loop+0x1c6 from  
/usr/lib64/libevent-2.0.so.5.0.1  
#3 0x00007fe0a29a2a52 in levm\_block+0x2a from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcalvados\_infra.so  
#4 0x00007fe0aa36d216 in event\_block+0x500 from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#5 0x0000000000411de1 in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd  
#6 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#7 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

#### Registers for Thread 2545

rax: 0x0  
rbx: 0x7fe086ba82b0  
rcx: 0xffffffffffffffff  
rdx: 0x626380  
rsi: 0x0  
rdi: 0x7fe08ed1ca00  
rbp: 0x7fe08ed1eee0  
rsp: 0x7fe08ed1c980  
r8: 0x20305550432f30  
r9: 0x6320612064657473  
r10: 0x20666f2068736172  
r11: 0x293  
r12: 0x7fe08ed1cbc0  
r13: 0x7fe08ed1ca20  
r14: 0x1  
r15: 0x0  
rip: 0x7fe0a584feed  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0

gs: 0x0

Backtrace for Thread 2545

```
#0 0x00007fe0a584feed in __nanosleep+0x2d from /lib64/libc-2.12.so
#1 0x0000000000413316 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so
```

Registers for Thread 2546

```
rax: 0xffffffffffffffff
rbx: 0x7fe08ec9de20
rcx: 0xffffffffffffffff
rdx: 0x0
rsi: 0x0
rdi: 0x7fe08ec9de20
rbp: 0x7fe08ec9deac
rsp: 0x7fe08ec9d2c0
r8: 0x0
r9: 0x80
r10: 0x8
r11: 0x246
r12: 0x7fe08ec9d3a0
r13: 0x7fe08ec9daf0
r14: 0x7fe08ec9deac
r15: 0x7fe08ec9de20
rip: 0x7fe0a57dba08
eflags: 0x246
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0
```

Backtrace for Thread 2546

```
#0 0x00007fe0a57dba08 in sigwait+0xc8 from /lib64/libc-2.12.so
#1 0x0000000000418349 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so
```

Registers for Thread 2547

```
rax: 0xffffffffffffffff
rbx: 0x7fe08ec1ce20
rcx: 0xffffffffffffffff
rdx: 0x0
rsi: 0x0
```

rdi: 0x7fe08ec1ce20  
rbp: 0x7fe08ec1ceac  
rsp: 0x7fe08ec1be50  
r8: 0x0  
r9: 0x80  
r10: 0x8  
r11: 0x246  
r12: 0x7fe08ec1cbf5  
r13: 0x7fe08ec1cbf5  
r14: 0x7fe0ab673040  
r15: 0x7fe08ec1bf70  
rip: 0x7fe0a57dba08  
eflags: 0x246  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

#### Backtrace for Thread 2547

#0 0x00007fe0a57dba08 in sigwait+0xc8 from /lib64/libc-2.12.so  
#1 0x0000000000416b9d in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd  
#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

#### Registers for Thread 2548

rax: 0xffffffffffffffffc  
rbx: 0x7fe08e7cde20  
rcx: 0xfffffffffffffffff  
rdx: 0x0  
rsi: 0x0  
rdi: 0x7fe08e7cde20  
rbp: 0x7fe08e7cdeac  
rsp: 0x7fe08e7cd5d0  
r8: 0x0  
r9: 0x80  
r10: 0x8  
r11: 0x246  
r12: 0xc1a6c0  
r13: 0x7fe08e7cd6c0  
r14: 0xa5  
r15: 0x7fe08e7cdaf0  
rip: 0x7fe0a57dba08  
eflags: 0x246  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0

fs: 0x0  
gs: 0x0

Backtrace for Thread 2548

#0 0x00007fe0a57dba08 in sigwait+0xc8 from /lib64/libc-2.12.so  
#1 0x000000000041547d in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd  
#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

Registers for Thread 2549

rax: 0xffffffffffffffffc  
rbx: 0x7fe08e74ce20  
rcx: 0xfffffffffffffffff  
rdx: 0x0  
rsi: 0x0  
rdi: 0x7fe08e74ce20  
rbp: 0x7fe08e74ceac  
rsp: 0x7fe08e74c5a0  
r8: 0x0  
r9: 0x80  
r10: 0x8  
r11: 0x246  
r12: 0x0  
r13: 0x7fe08e74caf0  
r14: 0x0  
r15: 0x7fe08e74c6e0  
rip: 0x7fe0a57dba08  
eflags: 0x246  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2549

#0 0x00007fe0a57dba08 in sigwait+0xc8 from /lib64/libc-2.12.so  
#1 0x0000000000416047 in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd  
#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

Registers for Thread 3289

rax: 0xffffffffffffffffc  
rbx: 0x8  
rcx: 0xfffffffffffffffff  
rdx: 0x20

```
rsi: 0x7fe08e1b7d30
rdi: 0x4d
rbp: 0x7fe08e1b7ee0
rsp: 0x7fe08e1b7a70
r8: 0x0
r9: 0x0
r10: 0xffffffff
r11: 0x293
r12: 0x1
r13: 0x7fe08e1b7d48
r14: 0x4d
r15: 0x51
rip: 0x7fe0a588c683
eflags: 0x293
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0
```

#### Backtrace for Thread 3289

```
#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1 0x00007fe0aa32f8a6 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3 0x00500001fccc920a in ?? ()
```

#### Mapping information

```
2117: syslogd
000000000400000 148K r-x-- /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000625000 8K rw--- /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000627000 48K rw--- [ anon ]
0000000000b4e000 880K rw--- [ anon ]
0000000080000000 1920K ---s- /dev/zero (deleted)
00000000801e0000 40K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/header
00000000801ea000 24K ---s- /dev/zero (deleted)
00000000801f0000 36K rw-s- /dev/shm/dev/shmem/shmwin/im_db/header
00000000801f9000 28K ---s- /dev/zero (deleted)
0000000080200000 36K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/header
0000000080209000 147624K ---s- /dev/zero (deleted)
0000000089233000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89233000
000000008923b000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8923b000
0000000089243000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89243000
000000008924b000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8924b000
0000000089253000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89253000
000000008925b000 8K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8925b000
000000008925d000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8925d000
0000000089265000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89265000
```

```

000000008926d000 1024K r--s- /dev/shm/dev/shmem/shmwin/im_db/0x8926d000
000000008936d000 1024K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/0x8936d000
000000008946d000 104K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/0x8946d000
0000000089487000 4328K ---s- /dev/zero (deleted)
00000000898c1000 104K r--s- /dev/shm/dev/shmem/shmwin/im_db/0x898c1000
00000000898db000 1940628K ---s- /dev/zero (deleted)
00007fe0868dc000 122072K rw-s- /dev/shm/logging_buffer
00007fe08e012000 56K rw-s- /dev/shmem/ltrace/shmwin/lib/err_b1_oaef
00007fe08e020000 16K rw-s- /dev/shmem/ltrace/shmwin/lib/err
00007fe08e024000 160K rw-s- /dev/shm/cdm_aqsm_services_db
00007fe08e04c000 864K ---s- /dev/shm/cdm_aqsm_services_db
00007fe08e124000 40K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b2_o846
00007fe08e12e000 40K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/api_b1_o846
00007fe08e138000 4K ----- [ anon ]
00007fe08e139000 512K rw--- [ anon ]
00007fe08e1b9000 5120K rw-s- /dev/shm/dev/shmem/sysmgr_shmem
00007fe08e6b9000 56K rw-s- /dev/shmem/ltrace/epm/issu_b1_o803
00007fe08e6c7000 16K rw-s- /dev/shmem/ltrace/epm/issu
00007fe08e6cd000 4K ----- [ anon ]
00007fe08e6ce000 512K rw--- [ anon ]
00007fe08e74e000 4K ----- [ anon ]
00007fe08e74f000 512K rw--- [ anon ]
00007fe08e7cf000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/file
00007fe08e7d3000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/event
00007fe08e7d7000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/suspend
00007fe08e7db000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/vicr
00007fe08e7de000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/edm_access
00007fe08e7e1000 40K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b2_o803
00007fe08e7eb000 40K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b1_o803
00007fe08e7f5000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo
00007fe08e7f8000 12K rw-s- /dev/shmem/ltrace/install/insthelper
00007fe08e7fb000 12K rw-s- /dev/shmem/ltrace/install/instdir
00007fe08e7fe000 8K rw-s- /dev/shmem/ltrace/im/ochn_evt
00007fe08e800000 8K rw-s- /dev/shmem/ltrace/im/ochn_msg
00007fe08e802000 136K rw-s- /dev/shmem/ltrace/im/client--
00007fe08e824000 8K rw-s- /dev/shmem/ltrace/im/register
00007fe08e826000 8K rw-s- /dev/shmem/ltrace/im/resync--
00007fe08e828000 8K rw-s- /dev/shmem/ltrace/im/replcate
00007fe08e82a000 8K rw-s- /dev/shmem/ltrace/im/dpc-----
00007fe08e82c000 8K rw-s- /dev/shmem/ltrace/im/attr_chg
00007fe08e82e000 8K rw-s- /dev/shmem/ltrace/im/caps_add
00007fe08e830000 8K rw-s- /dev/shmem/ltrace/im/ifcreate
00007fe08e832000 12K rw-s- /dev/shmem/ltrace/im/if_exist
00007fe08e835000 8K rw-s- /dev/shmem/ltrace/im/history-
00007fe08e837000 12K rw-s- /dev/shmem/ltrace/im/mgmt----
00007fe08e83a000 8K rw-s- /dev/shmem/ltrace/im/sys-fast
00007fe08e83c000 12K rw-s- /dev/shmem/ltrace/im/sys-slow
00007fe08e83f000 12K rw-s- /dev/shmem/ltrace/im/errors-s
00007fe08e842000 16K rw-s- /dev/shmem/ltrace/im/errors-o
00007fe08e846000 12K rw-s- /dev/shmem/ltrace/im/errors-i
00007fe08e849000 12K rw-s- /dev/shmem/ltrace/install/notify_error
00007fe08e84c000 12K rw-s- /dev/shmem/ltrace/install/notify

```

```

00007fe08e84f000      4K ----- [ anon ]
00007fe08e850000     512K rw--- [ anon ]
00007fe08e8d0000      36K rw-s- /dev/shmem/ltrace/install/instdir_loadpath_error
00007fe08e8d9000      12K rw-s- /dev/shmem/ltrace/install/instdir_loadpath
00007fe08e8dc000      52K rw-s- /dev/shmem/ltrace/install/inst_io_error
00007fe08e8e9000    1024K rw-s- /dev/shm/cdm_aqsm_services_db
00007fe08e9e9000      4K ----- [ anon ]
00007fe08e9ea000     512K rw--- [ anon ]
00007fe08ea6a000      4K ----- [ anon ]
00007fe08ea6b000     512K rw--- [ anon ]
00007fe08eaeb000      4K ----- [ anon ]
00007fe08eaec000     512K rw--- [ anon ]
00007fe08eb6e000      4K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe08eb6f000      12K rw-s- /dev/shmem/ltrace/ip_addr_c_data_trace_190
00007fe08eb72000      12K rw-s- /dev/shmem/ltrace/ip_addr_c_ctrl_trace_190
00007fe08eb75000       8K rw-s- /dev/shm/dev/shmem/shmwin_svr/window_grp_stats
00007fe08eb77000      80K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b3_o803
00007fe08eb8b000      32K rw-s- /dev/shmem/ltrace/aqsmllib/190/debug_b1_o846
00007fe08eb93000      40K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b1_o846
00007fe08eb9d000      4K ----- [ anon ]
00007fe08eb9e000     512K rw--- [ anon ]
00007fe08ec1e000      4K ----- [ anon ]
00007fe08ec1f000     512K rw--- [ anon ]
00007fe08ec9f000      4K ----- [ anon ]
00007fe08eca0000     512K rw--- [ anon ]
00007fe08eefe000      56K rw-s- /dev/shmem/ltrace/syslog/slow_b1_o846
00007fe08ef0c000      80K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b3_o846
00007fe08ef20000      4K rw-s- /dev/shm/logging_buffer
00007fe08ef21000      4K ----- [ anon ]
00007fe08ef22000     512K rw--- [ anon ]
00007fe08efa2000      4K ----- [ anon ]
00007fe08efa3000     512K rw--- [ anon ]
00007fe08f023000    2904K rw-s- /dev/shm/tmp/syslogd_msg_header_buffer
00007fe08f2f9000       8K rw-s- /dev/shmem/ltrace/syslog/lib/read_error
00007fe08f2fb000      4K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe08f2fc000      32K rw-s- /dev/shmem/ltrace/aqsmllib/190/api_b1_o846
00007fe08f304000       8K rw-s- /dev/shmem/ltrace/syslog/fast
00007fe08f306000      16K rw-s- /dev/shmem/ltrace/syslog/slow
00007fe08f30a000      16K rw-s- /dev/shmem/ltrace/syslog/error
00007fe08f30e000     224K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe08f346000     132K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe08f367000      32K rw-s- /dev/shmem/ltrace/cdm/190/api_b1_o846
00007fe08f36f000       8K rw-s- /dev/shmem/ltrace/pfi_ifh/fallback
00007fe08f371000      12K rw-s- /dev/shmem/ltrace/alm_loc_fast
00007fe08f374000      24K rw-s- /dev/shmem/ltrace/alm_loc_slow
00007fe08f37a000     112K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libreplicator.so
00007fe08f396000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libreplicator.so
00007fe08f595000       8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libreplicator.so
00007fe08f597000     488K r-x--

```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f611000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f810000     16K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f814000     4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_cardinfo.so
00007fe08f815000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_cardinfo.so
00007fe08fa14000     4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_cardinfo.so
00007fe08fa15000    16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl.so
00007fe08fa19000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl.so
00007fe08fc18000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl.so
00007fe08fc19000     4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fc1a000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fe1a000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fe1b000     4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe08fe1c000    2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe09001b000     4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe09001c000     4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09001d000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09021c000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09021d000    56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09022b000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09042b000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09042c000     4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09042d000    2048K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09062d000     4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09062e000     4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09062f000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09082e000     4K rw---
```



```
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09082f000    156K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090856000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090a56000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090a58000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090a5e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090c5d000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090c5e000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090c65000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090e64000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090e65000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe090e69000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe091068000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe091069000    144K r-x-- /usr/lib64/libfuse.so.2.8.7
00007fe09108d000    2048K ----- /usr/lib64/libfuse.so.2.8.7
00007fe09128d000     72K rw--- /usr/lib64/libfuse.so.2.8.7
00007fe09129f000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe0912a0000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe09149f000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe0914a0000      4K rw--- [ anon ]
00007fe0914a1000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0914a2000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0916a2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0916a3000     16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0916a7000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0918a6000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0918a7000      4K rw--- [ anon ]
00007fe0918a8000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe0918ab000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
```

```
00007fe091aaa000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe091aab000     32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091ab3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091cb2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091cb3000     28K rw--- [ anon ]
00007fe091cba000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091cbb000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091ebb000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091ebc000      4K rw--- [ anon ]
00007fe091ebd000     32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe091ec5000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe0920c4000      8K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe0920c6000      4K rw--- [ anon ]
00007fe0920c7000      8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0920c9000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0922c9000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0922ca000     20K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0922cf000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0924ce000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0924cf000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0924d0000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0926cf000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0926d0000     24K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0926d6000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0928d6000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0928d7000     16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe0928db000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe092ada000      4K rw---
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe092adb000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092adc000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092cdb000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092cdc000     16K r-x--
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwplib.so
00007fe092ce0000    2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwplib.so
00007fe092ee0000      4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwplib.so
00007fe092ee1000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libniantic.so
00007fe092ee3000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libniantic.so
00007fe0930e2000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libniantic.so
00007fe0930e3000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libipnodeid.so
00007fe0930e4000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libipnodeid.so
00007fe0932e3000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libipnodeid.so
00007fe0932e4000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid_pd.so
00007fe0932e5000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid_pd.so
00007fe0934e4000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid_pd.so
00007fe0934e5000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds_hex_dump.so
00007fe0934e6000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds_hex_dump.so
00007fe0936e5000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds_hex_dump.so
00007fe0936e6000     76K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcdr_invmgr_capi_proto.so
00007fe0936f9000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcdr_invmgr_capi_proto.so
00007fe0938f8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcdr_invmgr_capi_proto.so
00007fe0938f9000     56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093907000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093b07000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093b08000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093b1d000    2044K -----
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093d1c000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093d1d000     100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093d36000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093f35000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093f36000     696K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe093fe4000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe0941e3000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe0941e6000     48K rw---   [ anon ]
00007fe0941f2000    164K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09421b000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09441a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09441b000     60K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09442a000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09462a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09462b000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe09462f000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe09482f000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe094830000     8K rw---   [ anon ]
00007fe094832000    12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094835000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094a34000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094a35000    304K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094a81000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094c80000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094c82000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094c88000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094e87000      4K rw---
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094e88000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe094e89000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe095088000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe095089000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe09508a000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe095289000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe09528a000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09528c000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09548b000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09548c000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09548d000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09568c000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09568d000     24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095693000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095893000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095894000    112K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_proto.so.0.0.1
00007fe0958b0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_proto.so.0.0.1
00007fe095aaf000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_proto.so.0.0.1
00007fe095ab0000     56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_capi.so.0.0.1
00007fe095abe000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_capi.so.0.0.1
00007fe095cbd000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_capi.so.0.0.1
00007fe095cbe000     36K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095cc7000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095ec6000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095ec7000     72K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe095ed9000    2048K -----
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe0960d9000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe0960da000      8K rw--- [ anon ]
00007fe0960dc000     20K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0960e1000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0962e0000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0962e1000    320K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096331000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096530000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096533000    160K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09655b000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09675b000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09675c000      4K rw--- [ anon ]
00007fe09675d000    216K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096793000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096993000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096994000      4K rw--- [ anon ]
00007fe096995000    100K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe0969ae000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe096bae000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe096baf000      4K rw--- [ anon ]
00007fe096bb0000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmltv.so
00007fe096bb3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmltv.so
00007fe096db2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmltv.so
00007fe096db3000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096dba000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fb9000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fba000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe096fcf000    2044K -----
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971ce000      12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971d1000       4K rw---  [ anon ]
00007fe0971d2000     32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0971da000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973d9000       8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973db000       8K rw---  [ anon ]
00007fe0973dd000       4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0973de000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0975de000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0975df000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0975e3000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0977e3000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0977e4000       4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0977e5000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0979e4000       4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0979e5000     36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe0979ee000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe097bee000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe097bef000     12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097bf2000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097df1000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097df2000       8K r-x--
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097df4000    2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097ff4000       4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097ff5000       4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe097ff6000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe0981f5000       4K rw---
```

```
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe0981f6000      8K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0981f8000    2048K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0983f8000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0983f9000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0983fa000    2048K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0985fa000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0985fb000     36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098604000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098804000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098805000    104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe09881f000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe098a1e000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe098a1f000      4K rw--- [ anon ]
00007fe098a20000     60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098a2f000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098c2e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098c2f000     32K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098c37000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098e36000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098e37000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe098e38000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe099037000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe099038000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe09903f000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe09923f000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe099240000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
```



```
00007fe099241000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099440000         4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099441000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099443000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099643000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099644000         4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099645000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099844000         4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099845000    104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe09985f000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a5f000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a61000    520K r-x-- /lib64/libm-2.12.so
00007fe099ae3000    2044K ----- /lib64/libm-2.12.so
00007fe099ce2000         8K rw--- /lib64/libm-2.12.so
00007fe099ce4000    12K r-x--&nbsp;
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ce7000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ee6000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ee7000         8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe099ee9000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe09a0e8000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe09a0e9000    28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a0f0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a2ef000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a2f0000    16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a2f4000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a4f3000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a4f4000         4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a4f5000    2044K -----
```

```
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a6f4000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a6f5000     12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a6f8000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a8f8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a8f9000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09a8fa000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09aaf9000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09aafa000     36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ab03000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ad02000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ad03000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09ad04000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09af03000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09af04000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09af05000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09b105000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09b106000     12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b109000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b309000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b30a000     56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b318000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b517000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b518000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b519000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b718000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b719000      8K r-x--
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b71b000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91a000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91b000         4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09b91c000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1b000         4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1c000        40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bb26000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd25000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd26000        32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttnmspc.so
00007fe09bd2e000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttnmspc.so
00007fe09bf2e000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttnmspc.so
00007fe09bf2f000        24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09bf35000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c135000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c136000        24K rw---   [ anon ]
00007fe09c13c000        12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c13f000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33e000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33f000       100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c358000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c557000        12K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c55a000       148K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c57f000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c77e000        12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c781000        44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c78c000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
```

```
00007fe09c98c000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98d000      28K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09c994000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb94000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb95000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cb96000     2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd95000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd96000      20K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cd9b000     2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9a000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9b000      32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09cfa3000     2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a3000      80K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d1b7000     2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b7000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b8000      52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d3c5000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c5000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c6000      12K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d5c9000     2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c8000      4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c9000      60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d7d8000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d9000      12K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
```

```
00007fe09d9dc000 2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdb000 4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdc000 8K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dbde000 2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09ddd000 4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09ddde000 4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09ddf000 2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dfde000 4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dfd000 8K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libpanini_device_info.so
00007fe09dfe1000 2048K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libpanini_device_info.so
00007fe09e1e1000 4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libpanini_device_info.so
00007fe09e1e2000 12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libital_shm.so
00007fe09e1e5000 2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libital_shm.so
00007fe09e3e5000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libital_shm.so
00007fe09e3e6000 92K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libens.so
00007fe09e3fd000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libens.so
00007fe09e5fc000 8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libens.so
00007fe09e5fe000 4K rw--- [ anon ]
00007fe09e5ff000 40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrs.so
00007fe09e609000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrs.so
00007fe09e808000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrs.so
00007fe09e809000 12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libcisco_ipv6_lib.so
00007fe09e80c000 2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libcisco_ipv6_lib.so
00007fe09ea0b000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libcisco_ipv6_lib.so
00007fe09ea0c000 12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_transport.so
00007fe09ea0f000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_transport.so
00007fe09ec0e000 4K rw---
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_transport.so
00007fe09ec0f000      4K rw---  [ anon ]
00007fe09ec10000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_addr.so
00007fe09ec12000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_addr.so
00007fe09ee12000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_addr.so
00007fe09ee13000     24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_ifh.so
00007fe09ee19000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_ifh.so
00007fe09f018000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_ifh.so
00007fe09f019000      8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmifmapcons.so
00007fe09f01b000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmifmapcons.so
00007fe09f21a000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmifmapcons.so
00007fe09f21b000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_addr.so
00007fe09f21c000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_addr.so
00007fe09f41b000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_addr.so
00007fe09f41c000      8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmaddr.so
00007fe09f41e000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmaddr.so
00007fe09f61d000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmaddr.so
00007fe09f61e000     24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmconsumer.so
00007fe09f624000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmconsumer.so
00007fe09f824000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmconsumer.so
00007fe09f825000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_tlvlib.so
00007fe09f827000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_tlvlib.so
00007fe09fa26000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_tlvlib.so
00007fe09fa27000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libport_un.so
00007fe09fa29000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libport_un.so
00007fe09fc28000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libport_un.so
00007fe09fc29000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_icmp_client_v2.so
```

```
00007fe09fc2b000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_icmp_client_v2.so
00007fe09fe2a000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_icmp_client_v2.so
00007fe09fe2b000      4K rw--- [ anon ]
00007fe09fe2c000     72K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libipv4_rib_lite.so
00007fe09fe3e000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libipv4_rib_lite.so
00007fe0a003d000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libipv4_rib_lite.so
00007fe0a003e000      4K rw--- [ anon ]
00007fe0a003f000     44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_show.so
00007fe0a004a000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_show.so
00007fe0a0249000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_show.so
00007fe0a024a000     16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_util.so
00007fe0a024e000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_util.so
00007fe0a044d000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_util.so
00007fe0a044e000     68K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgsputils.so
00007fe0a045f000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgsputils.so
00007fe0a065e000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgsputils.so
00007fe0a0660000     12K rw--- [ anon ]
00007fe0a0663000    144K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgroup.so
00007fe0a0687000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgroup.so
00007fe0a0887000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgroup.so
00007fe0a0889000      8K rw--- [ anon ]
00007fe0a088b000     92K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libimattrowner.so
00007fe0a08a2000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libimattrowner.so
00007fe0a0aa1000      8K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libimattrowner.so
00007fe0a0aa3000     12K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi.so
00007fe0a0aa6000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi.so
00007fe0a0ca5000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi.so
00007fe0a0ca6000     20K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_client.so
```

```
00007fe0a0cab000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_client.so
00007fe0a0eab000         4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_client.so
00007fe0a0eac000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmsrv.so
00007fe0a0eae000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmsrv.so
00007fe0a10ad000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmsrv.so
00007fe0a10ae000    196K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libim_util.so
00007fe0a10df000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libim_util.so
00007fe0a12de000     12K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libim_util.so
00007fe0a12e1000     56K rw---   [ anon ]
00007fe0a12ef000     20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerr_dll_tbl.so
00007fe0a12f4000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerr_dll_tbl.so
00007fe0a14f3000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerr_dll_tbl.so
00007fe0a14f4000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcipc_endpoint_proto.so
00007fe0a14f5000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcipc_endpoint_proto.so
00007fe0a16f4000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcipc_endpoint_proto.so
00007fe0a16f5000     32K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_proto.so
00007fe0a16fd000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_proto.so
00007fe0a18fc000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_proto.so
00007fe0a18fd000     60K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_capi.so
00007fe0a190c000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_capi.so
00007fe0a1b0b000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_capi.so
00007fe0a1b0c000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0a1b10000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0a1d0f000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0a1d10000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0a1d12000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0a1f11000         4K rw---
```



```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0a1f12000    124K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0a1f31000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0a2130000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0a2131000    112K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_capi.so.0.0.1
00007fe0a214d000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_capi.so.0.0.1
00007fe0a234d000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_capi.so.0.0.1
00007fe0a234e000    44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libctrace.so
00007fe0a2359000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libctrace.so
00007fe0a2559000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libctrace.so
00007fe0a255a000     8K r-x--
/usr/lib64/libevent_pthreads-2.0.so.5.0.1
00007fe0a255c000    2044K -----
/usr/lib64/libevent_pthreads-2.0.so.5.0.1
00007fe0a275b000     4K rw---
/usr/lib64/libevent_pthreads-2.0.so.5.0.1
00007fe0a275c000    256K r-x--
/usr/lib64/libevent-2.0.so.5.0.1
00007fe0a279c000    2048K -----
/usr/lib64/libevent-2.0.so.5.0.1
00007fe0a299c000     8K rw---
/usr/lib64/libevent-2.0.so.5.0.1
00007fe0a299e000    68K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
00007fe0a29af000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
00007fe0a2bae000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
00007fe0a2baf000    316K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libaipc.so
00007fe0a2bfe000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libaipc.so
00007fe0a2dfe000     8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libaipc.so
00007fe0a2e00000    16K rw---    [ anon ]
00007fe0a2e04000    40K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libship.so
00007fe0a2e0e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libship.so
00007fe0a300d000     8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libship.so
00007fe0a300f000     8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
```

```
00007fe0a3011000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3210000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3211000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3212000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3411000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3412000        56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3420000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3620000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3621000    272K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3665000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3865000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3867000        32K rw---   [ anon ]
00007fe0a386f000        44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a387a000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a3a7a000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a3a7b000        12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3a7e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3c7d000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3c7e000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3c7f000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3e7e000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3e7f000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a3e81000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a4081000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a4082000        84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4097000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4297000         4K rw---
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4298000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4299000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4498000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4499000     76K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a44ac000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a46ab000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a46ad000    100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a46c6000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a48c5000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a48c7000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a48c9000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a4ac8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a4ac9000    16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4acd000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4ccc000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4ccd000     76K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4ce0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4edf000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4ee0000    408K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a4f46000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5146000      4K r----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5147000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5149000    220K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5180000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a537f000      4K r----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5380000      4K rw---
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5381000      36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a538a000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a558a000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a558b000       96K r-x-- /lib64/libpthread-2.12.so
00007fe0a55a3000     2044K ----- /lib64/libpthread-2.12.so
00007fe0a57a2000       4K r---- /lib64/libpthread-2.12.so
00007fe0a57a3000       4K rw--- /lib64/libpthread-2.12.so
00007fe0a57a4000      16K rw--- [ anon ]
00007fe0a57a8000     1444K r-x-- /lib64/libc-2.12.so
00007fe0a5911000     2048K ----- /lib64/libc-2.12.so
00007fe0a5b11000      12K r---- /lib64/libc-2.12.so
00007fe0a5b14000       8K rw--- /lib64/libc-2.12.so
00007fe0a5b16000      20K rw--- [ anon ]
00007fe0a5b1b000      52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5b28000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5d27000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5d28000      20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5d2d000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5f2c000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5f2d000      84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a5f42000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a6141000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a6142000      48K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a614e000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a634e000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a634f000      64K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a635f000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a655f000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a6560000       8K r-x-- /lib64/libdl-2.12.so
00007fe0a6562000     2048K ----- /lib64/libdl-2.12.so
00007fe0a6762000       8K rw--- /lib64/libdl-2.12.so
00007fe0a6764000      32K r-x-- /lib64/librt-2.12.so
00007fe0a676c000     2044K ----- /lib64/librt-2.12.so
```

```
00007fe0a696b000      8K rw--- /lib64/librt-2.12.so
00007fe0a696d000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6973000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6b72000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6b73000     12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6b76000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6d75000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6d76000      4K rw--- [ anon ]
00007fe0a6d77000     20K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6d7c000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6f7b000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6f7c000     40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a6f86000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a7186000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a7187000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7189000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7388000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7389000     12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a738c000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a758b000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a758c000     44K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrddlib.so
00007fe0a7597000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrddlib.so
00007fe0a7796000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrddlib.so
00007fe0a7797000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttyutil.so
00007fe0a779b000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttyutil.so
00007fe0a799a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttyutil.so
00007fe0a799b000    128K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysmgr.so
```

```
00007fe0a79bb000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysmgr.so
00007fe0a7bba000         8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysmgr.so
00007fe0a7bbc000        40K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libovl.so
00007fe0a7bc6000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libovl.so
00007fe0a7dc6000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libovl.so
00007fe0a7dc7000        72K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid.so
00007fe0a7dd9000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid.so
00007fe0a7fd8000        16K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid.so
00007fe0a7fdc000         8K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libplatform_netio.so
00007fe0a7fde000    2048K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libplatform_netio.so
00007fe0a81de000         4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libplatform_netio.so
00007fe0a81df000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_to_be_deprecated.so
00007fe0a81e0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_to_be_deprecated.so
00007fe0a83df000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_to_be_deprecated.so
00007fe0a83e0000         4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libc12000_cardtype.so
00007fe0a83e1000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libc12000_cardtype.so
00007fe0a85e0000         4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libc12000_cardtype.so
00007fe0a85e1000         4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libc12000_chassis.so
00007fe0a85e2000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libc12000_chassis.so
00007fe0a87e1000         4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libc12000_chassis.so
00007fe0a87e2000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libc12000_bflc_io_reset.so
00007fe0a87e3000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libc12000_bflc_io_reset.so
00007fe0a89e2000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libc12000_bflc_io_reset.so
00007fe0a89e3000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_lc_mem.so
00007fe0a89e4000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_lc_mem.so
00007fe0a8be3000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_lc_mem.so
```

```
00007fe0a8be4000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_rp_rate_limit.so
00007fe0a8be5000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_rp_rate_limit.so
00007fe0a8de4000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_rp_rate_limit.so
00007fe0a8de5000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_mbus_fru.so
00007fe0a8de6000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_mbus_fru.so
00007fe0a8fe5000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_mbus_fru.so
00007fe0a8fe6000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_diagstrings.so
00007fe0a8fe7000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_diagstrings.so
00007fe0a91e6000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_diagstrings.so
00007fe0a91e7000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_plimq.so
00007fe0a91e8000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_plimq.so
00007fe0a93e7000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_plimq.so
00007fe0a93e8000     44K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform.so
00007fe0a93f3000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform.so
00007fe0a95f2000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform.so
00007fe0a95f3000      8K rw---   [ anon ]
00007fe0a95f5000    168K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipaddr_cons.so
00007fe0a961f000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipaddr_cons.so
00007fe0a981e000     24K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipaddr_cons.so
00007fe0a9824000      4K rw---   [ anon ]
00007fe0a9825000     44K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libip4.so
00007fe0a9830000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libip4.so
00007fe0a9a30000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libip4.so
00007fe0a9a31000      4K rw---   [ anon ]
00007fe0a9a32000    148K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ios.so.0.0.1
00007fe0a9a57000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ios.so.0.0.1
00007fe0a9c56000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ios.so.0.0.1
00007fe0a9c58000    176K r-x--
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libios.so
00007fe0a9c84000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libios.so
00007fe0a9e84000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libios.so
00007fe0a9e86000         4K rw---    [ anon ]
00007fe0a9e87000       444K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libifmgr.so
00007fe0a9ef6000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libifmgr.so
00007fe0aa0f5000        20K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libifmgr.so
00007fe0aa0fa000        16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerrno.so
00007fe0aa0fe000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerrno.so
00007fe0aa2fe000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerrno.so
00007fe0aa2ff000       592K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
00007fe0aa393000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
00007fe0aa592000        16K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
00007fe0aa596000        52K rw---    [ anon ]
00007fe0aa5a3000        16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbhelper.so
00007fe0aa5a7000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbhelper.so
00007fe0aa7a6000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbhelper.so
00007fe0aa7a7000       364K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdb.so
00007fe0aa802000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdb.so
00007fe0aaa01000         8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdb.so
00007fe0aaa03000         4K rw---    [ anon ]
00007fe0aaa04000       160K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket.so
00007fe0aaa2c000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket.so
00007fe0aac2c000         8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket.so
00007fe0aac2e000         4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_general.so
00007fe0aac2f000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_general.so
00007fe0aae2f000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_general.so
00007fe0aae30000         8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_addr_presentation.so
```



```

00007fe0aae32000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_addr_presentation.so
00007fe0ab032000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_addr_presentation.so
00007fe0ab033000        44K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_name_mapping.so
00007fe0ab03e000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_name_mapping.so
00007fe0ab23e000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_name_mapping.so
00007fe0ab23f000        24K rw--- [ anon ]
00007fe0ab245000        20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
00007fe0ab24a000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
00007fe0ab44a000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
00007fe0ab44b000        32K rw--- [ anon ]
00007fe0ab453000       128K r-x-- /lib64/ld-2.12.so
00007fe0ab473000         4K rw-s- /dev/shm/tmp/syslogd_syslogd
00007fe0ab474000        12K rw-s- /dev/shmem/ltrace/install/inv_error
00007fe0ab477000        12K rw-s- /dev/shmem/ltrace/install/inv
00007fe0ab47a000        16K rw-s- /dev/shmem/ltrace/install/inst_io
00007fe0ab47e000        12K rw-s- /dev/shmem/ltrace/install/pkg
00007fe0ab481000        12K rw-s- /dev/shmem/ltrace/install/ifc
00007fe0ab484000       36K rw-s- /dev/shmem/ltrace/install/instdir_loadpath_error
00007fe0ab48d000        12K rw-s- /dev/shmem/ltrace/install/instdir_loadpath
00007fe0ab490000        12K rw-s- /dev/shmem/ltrace/aqsmllib/190/errors
00007fe0ab493000        12K rw-s- /dev/shmem/ltrace/aqsmllib/190/debug
00007fe0ab496000        12K rw-s- /dev/shmem/ltrace/aqsmllib/190/api
00007fe0ab499000         4K rw-s- /dev/shm/dev/shmem/tty_db_pty_map
00007fe0ab49a000         4K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe0ab49b000       32K rw-s- /dev/shmem/ltrace/cdm/190/heap_b1_o846
00007fe0ab4a3000         4K r--s- /dev/shm/dev/shmem/sysmgr_shmem
00007fe0ab4a4000       12K rw-s- /dev/shmem/ltrace/cdm/190/repl
00007fe0ab4a7000       12K rw-s- /dev/shmem/ltrace/cdm/190/heap
00007fe0ab4aa000       12K rw-s- /dev/shmem/ltrace/cdm/190/errors
00007fe0ab4ad000       12K rw-s- /dev/shmem/ltrace/cdm/190/api
00007fe0ab4b0000         4K ----- [ anon ]
00007fe0ab4b1000       512K rw--- [ anon ]
00007fe0ab531000         4K ----- [ anon ]
00007fe0ab532000       512K rw--- [ anon ]
00007fe0ab5b2000       12K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/err
00007fe0ab5b5000       12K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/dbg
00007fe0ab5b8000       12K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/api
00007fe0ab5bb000       52K rw-s- /dev/shmem/ltrace/install/inst_devicemgr_error
00007fe0ab5c8000       16K rw-s- /dev/shmem/ltrace/install/inst_devicemgr
00007fe0ab5cc000       12K rw-s- /dev/shmem/ltrace/install/pkg
00007fe0ab5cf000       52K rw-s- /dev/shmem/ltrace/install/inst_io_error
00007fe0ab5dc000       16K rw-s- /dev/shmem/ltrace/install/inst_io
00007fe0ab5e0000       96K rw-s- /dev/shmem/ltrace/install/pkgfs_error
00007fe0ab5f8000       16K rw-s- /dev/shmem/ltrace/install/pkgfs

```

```

00007fe0ab5fc000      36K rw-s-  /dev/shmem/ltrace/install/inst_mem_error
00007fe0ab605000      12K rw-s-  /dev/shmem/ltrace/install/inst_mem
00007fe0ab608000        4K rw-s-  /dev/shm/shm_mutex_monitors
00007fe0ab609000        4K rw-s-  /dev/shm/cdm_db_dir
00007fe0ab60a000        4K rw-s-  /dev/shmem/ltrace/ltrace_global_ctrl
00007fe0ab60b000     412K rw---  [ anon ]
00007fe0ab672000        4K r----  /lib64/ld-2.12.so
00007fe0ab673000        4K rw---  /lib64/ld-2.12.so
00007fe0ab674000        4K rw---  [ anon ]
00007fff6409b000     132K rw---  [ stack ]
00007fff640db000        4K r-x--  [ anon ]
fffffffffff600000      4K r-x--  [ anon ]
total                2700196K

```

node: node0\_RP1\_CPU0

-----  
No context

RP/0/RP0/CPU0:NCS6008-SJ#

RP/0/RP0/CPU0:NCS6008-SJ#**dir harddisk:**

Wed Feb 19 12:31:10.577 UTC

Directory of /harddisk:/

```

 15 -rwx----- 1      42499 Feb  7  2011 running_backup
 24 -rwxr--r-- 1    5181440 Feb  7 15:33 ncs6k-mppls.pkg-5.0.1
 28 -rw-r--r-- 1     8231199 Feb 19 12:25
    syslogd_2117.by.11.20140219-122529.xr-vm_node0_RP0_CPU0.ddc58.core.gz
 21 -rwxr--r-- 1     7874560 Feb  7 14:57 ncs6k-mcast.pkg-5.0.1
 16 -rwxr--r-- 1    19387904 Feb  7  2011 NCS6000-iosxr-k9-5.0.0.tar
784897 drwxr-xr-x 2         4096 Jan  5  1970 shutdown
 13 -rw-r--r-- 1    10193834 Feb  1  2011
devc-conaux-con_2114.by.11.20110201-123522.xr-vm_node0_RP0_CPU0.8a616.core.gz
 22 -rwxr--r-- 1     1515520 Feb  7 14:57 ncs6k-mgbl.pkg-5.0.1
 12 -rw-r--r-- 1     49755237 Feb  1  2011
fia_driver_2157.by.6.20110201-062609.xr-vm_node0_0_CPU0.4b965.core.gz
 27 -rwx----- 1         3947 Feb 12 13:14 running_config_upgrade_test.txt
2223873 drwxr-xr-x 2         4096 Jan  5  1970 nvram
 26 -rwxr--r-- 1    621035520 Feb 10 21:15 ncs6k-usb-boot-5.0.1.zip
 25 -rwxr--r-- 1     327680 Feb 10 18:55
ncs6k-sysadmin-5.0.0.CSCul30161-0.0.11.d.smu
 18 -rwx----- 1         2079 Feb 17  2011 running-config
 19 -rwxr--r-- 1     1720320 Feb  7 14:55 ncs6k-doc.pkg-5.0.1
 14 -rwxr--r-- 1    643317760 Feb  4  2011 ncs6k-mini-x.iso
 20 -rwxr--r-- 1     3471360 Feb  7 14:56 ncs6k-k9sec.pkg-5.0.1
 17 -rwxr--r-- 1     1341440 Feb  7  2011
panini-admin-5.0.90.CSCui84753-0.0.10.d.smu
 23 -rwxr--r-- 1    815474688 Feb  7 15:31 ncs6k-mini-x.iso-5.0.1
 11 drwx----- 2         16384 Jan  5  1970 lost+found

```

RP/0/RP0/CPU0:NCS6008-SJ#**dir disk0:/core**

Wed Feb 19 12:32:15.252 UTC

Directory of /disk0:/core

16 -rw-r--r-- 1 87359 Feb 19 12:25

**syslogd\_2117.by.11.20140219-122529.xr-vm\_node0\_RP0\_CPU0.ddc58.core.txt**

19 drwxr-xr-x 2 4096 Feb 19 12:25 .1

## 显示dll

参考系统管理命令参考的[显示dll](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有选项更改和输出更改。

**详细信息：**仅pid关键字supported。位置关键字删除。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-A#show dll ?
```

```
pid  Pid of the process
```

```
RP/0/RP0/CPU0:NCS6008-A#show dll pid ?
```

```
<0-4294967295>  <pid> of the process
```

```
RP/0/RP1/CPU0:CRS-H#show dll ?
```

```
address  Display the dllname for a particular address.
```

```
dllname  Display the pid_info for a particular dllname (virt-path).
```

```
jobid    job id
```

```
location location to display
```

```
memory  Display only a summary of memory usage.
```

```
symbol  Static function symbols will NOT work
```

```
virtual  Displays virtual path.
```

```
|      Output Modifiers
```

```
<cr>
```

## show controller结构

参考系统管理命令参考的[show controller结构](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**show命令关键字更改。

**详细信息：**套件、连接和概略的关键字的支持删除。fsdb聚合器和fsdb服务器关键字的支持被添加。大多数输出是非常类似的。

所有显示命令除了trace关键字在Sysadmin VM。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-A#show controller fabric ?
```

```
trace  trace information
```

```
sysadmin-vm:0_RP0# show controller fabric ?
```

Possible completions:

fgid FGID management information  
fsdb-aggregator FSDB Aggregator informaiton  
fsdb-pla Plane availability status option  
fsdb-server FSDB Server information  
health Fabric Health  
link Fabric link option  
plane plane info  
sfe Switch Fabric Element option  
standby Plane info in standby  
| Output modifiers <cr>

RP/0/RP1/CPU0:CRS-H#**show controller fabric ?**

barriers	Barriers(cisco-support)
block	Block Information(cisco-support)
debug	show debug utilities(cisco-support)
eio	Show eio commands for the Fabricq ASIC(cisco-support)
fabric-backpressure	Fabric Backpressure details
health	Health(cisco-support)
imdr	IMDR (ISSU) upgrade info
link-info	Link Information(cisco-support)
queues	Queues Information(cisco-support)
statistics	Packet Statistics
summary	Summary(cisco-support)

RP/0/RP1/CPU0:CRS-H#**admin**

Mon Mar 31 17:36:58.363 EDT

RP/0/RP1/CPU0:CRS-H(admin)#**show controller fabric ?**

bundle	Fabric bundle option
connectivity	Connectivity to fabric option
deferral-info	deferral information
fgid	FGID management information
fsdb-pla	plane availability status option
link	Fabric link option
plane	Fabric plane option
pod	Fabric pod option
rack	Rack status option
sfe	Switch Fabric Element option
trace	Fabric trace option(cisco-support)
tuning	Dynamic link tuning option
warm-reload	Show fabric warm-reload data(cisco-support)

## show environment

参考系统管理命令参考的[show environment](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有输出的更改和命令关键字更改。

**详细信息：**LED和表关键字的支持删除。支持当前关键字FOT被添加。输出与化妆有关地不同的。输出每片式信息包括。

**意义：**迈纳

```
sysadmin-vm:0_RP0# show environment ?
Description: environment data
Possible completions:
all          All environment monitor parameters
current      Current information
fan          Chassis Fans information
power        Power supply voltage and current information
temperatures Temperature information
trace        Debug trace information
voltages     Voltage information
|           Output modifiers
<cr>
```

```
RP/0/RP1/CPU0:CRS-H(admin)#show env ?
all          All environmental monitor parameters
fans         Fans information
last         Last readings of environmental parameters
leds         LEDS on cards
location     Location of a node
power-supply Power supply voltage and current information
table        Environmental parameter ranges
temperatures Temperature information
trace        Show trace data for environment monitoring
voltages     Voltage information
|           Output Modifiers
<cr>
```

## show filesystem

参考系统管理命令参考的[show filesystem](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有选项更改与CLI输出一起。

**详细信息：**`show filesystem disk0`：命令不工作其中任一更加长。命令从Sysadmin VM不是可得到。命令显示从admin模式的同一信息和exec在CRS，但是不在NCS 6008。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-A#show filesystem
Tue Feb 10 22:09:42.941 UTC
File Systems:

      Size(b)      Free(b)      Type  Flags  Prefixes
          0          0      network    rw  tftp:
39380996096 39196561408  harddisk    rw  harddisk:
1031311360 1012842496  flash-disk    rw  disk0:
```

```
RP/0/RP0/CPU0:NCS6008-A#show filesystem loc all
Tue Feb 10 22:10:20.285 UTC
```

node: node0\_4\_CPU0

-----  
File Systems:

Size(b)	Free(b)	Type	Flags	Prefixes
1031311360	981569536	flash-disk	rw	disk0:

node: node0\_RP0\_CPU0

-----  
File Systems:

Size(b)	Free(b)	Type	Flags	Prefixes
0	0	network	rw	tftp:
39380996096	39196561408	harddisk	rw	harddisk:
1031311360	1012838400	flash-disk	rw	disk0:

RP/0/RP0/CPU0:NCS6008-A#**show filesystem ?**

location specify the location

sysadmin-vm:0\_RP0# **show filesystem**

-----^  
syntax error: element does not exist

RP/0/RP0/CPU0:CRS-J#**show filesystem**

Mon Nov 25 16:11:36.810 UTC

File Systems:

Size(b)	Free(b)	Type	Flags	Prefixes
-	-	network	rw	qsm/dev/fs/tftp:
-	-	network	rw	qsm/dev/fs/rcp:
-	-	network	rw	qsm/dev/fs/ftp:
11492376576	10348458496	dumper-lnk	rw	qsm/dumper_disk0:
1312817152	1056006144	dumper-lnk	rw	qsm/dumper_disk0a:
16568549376	15307819008	dumper-lnk	rw	qsm/dumper_harddisk:
3051651072	3049283584	dumper-lnk	rw	qsm/dumper_nvmem:
1017208832	1016152064	dumper-lnk	rw	qsm/dumper_nvmem2:
16392388608	16388352512	dumper-lnk	rw	qsm/dumper_harddiska:
1125122048	1124809216	dumper-lnk	rw	qsm/dumper_disk1a:
11492376576	9500605440	dumper-lnk	rw	qsm/dumper_disk1:
11492376576	10348458496	flash-disk	rw	disk0:
11492376576	9500605440	flash-disk	rw	disk1:
16568549376	15307819008	harddisk	rw	harddisk:
16392388608	16388352512	harddisk	rw	harddiska:
1312817152	1056006144	flash-disk	rw	disk0a:
1125122048	1124809216	flash-disk	rw	disk1a:
1043456	998400	nvram	rw	nvram:
3051651072	3049283584		rw	nvmem:
1017208832	1016152064		rw	nvmem2:

RP/0/RP0/CPU0:CRS-J(admin)#**show filesystem**

Mon Nov 25 16:14:24.159 UTC

File Systems:

Size(b)	Free(b)	Type	Flags	Prefixes
-	-	network	rw	qsm/dev/fs/tftp:
-	-	network	rw	qsm/dev/fs/rcp:
-	-	network	rw	qsm/dev/fs/ftp:
11492376576	10348458496	dumper-lnk	rw	qsm/dumper_disk0:
1312817152	1056006144	dumper-lnk	rw	qsm/dumper_disk0a:
16568549376	15307819008	dumper-lnk	rw	qsm/dumper_harddisk:
3051651072	3049283584	dumper-lnk	rw	qsm/dumper_nvmem:
1017208832	1016152064	dumper-lnk	rw	qsm/dumper_nvmem2:
16392388608	16388352512	dumper-lnk	rw	qsm/dumper_harddiska:
1125122048	1124809216	dumper-lnk	rw	qsm/dumper_diskla:
11492376576	9500605440	dumper-lnk	rw	qsm/dumper_diskl:
11492376576	10348458496	flash-disk	rw	disk0:
11492376576	9500605440	flash-disk	rw	diskl:
16568549376	15307819008	harddisk	rw	harddisk:
16392388608	16388352512	harddisk	rw	harddiska:
1312817152	1056006144	flash-disk	rw	disk0a:
1125122048	1124809216	flash-disk	rw	diskla:
1043456	998400	nvr	rw	nvr:
3051651072	3049283584		rw	nvmem:
1017208832	1016152064		rw	nvmem2:

RP/0/RP0/CPU0:CRS-J(admin)#show filesystem ?

bootflash: Show bootflash FFS3 file system information  
configflash: Show configflash file system information  
disk0: Show device information  
disk1: Show device information  
disk2: Show device information  
harddisk: Show device information  
lcdisk0: Show device information  
lcdisk0a: Show device information  
location specify the location

RP/0/RP0/CPU0:CRS-J(admin)#show filesystem disk0:

Mon Nov 25 16:15:10.110 UTC

Model: SMART iSATA  
Serial Number: SMART iSATA 111110E984  
Firmware: 20101203  
BIOS Geometry: 16 Heads, 63 Sectors  
Drive Geometry: 16 Heads, 16383 Tracks, 63 Sectors  
Drive Capacity: 16514064 Cur Sctrs, 16514064 User Sctrs, Extd  
Address Mode: LBA  
PIO mode: 0  
Multimode Blocks/Transfer: 32769

Capacity: 59071696 Sectors, Total 30244708352 Bytes, (512 Bytes/sector)

## show install

参考系统管理命令参考的[show install](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有关键字选项更改与输出更改一起。

**详细信息：**准备和信息库关键字的支持被添加。概略的关键字的支持删除。

**意义：**梅杰

```
RP/0/RP0/CPU0:NCS6008-A#show install ?
```

```
active      Show active package(s) installed
inactive    Show inactive package(s) information
log         Show log file
package     Show information for package(s) in repository
prepare     Show prepared package(s) ready for activation
repository  Show SDR software repository
request     Show current request
which       Show information about an installed file
```

```
RP/0/RP1/CPU0:CRS-H#show install ?
```

```
active          Show the active package information
audit           Audit installed packages
auto-abort-timer Show auto-abort-timer value
boot-options    Show boot options
committed       Show the committed package information
compression     Show Install File Compression information(cisco-support)
events          Show key events from the install history
inactive        Show inactive package information
log             Show log file
package         Name of the package
pie-info        Show information in a PIE file
request         Show current request
rollback        Show package information for a rollback point
summary         Show summary information
superceded     Show superceded packages
which           Show the origin of a named process, component or package
```

## 显示库存

参考系统管理命令参考的[显示库存](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有输出的更改与关键字更改一起。

**详细信息：**trace关键字的支持删除。多数其他显示和functionality是同样。

显示库存命令可以从XR VM或Sysadmin VM运行并且显示在两个VMs的相似的输出。在XR VM的显示库存输出显示PID和序列号在线路卡安装的光学的，而此信息没有包括，当从Sysadmin VM运行。

**意义：**梅杰

```
RP/0/RP0/CPU0:NCS6008-A#show inventory ?
```

```
WORD Partially qualified location specification
all Inventory information for all the physical entities
```



```
location Location of node for inventory
oid oid information
raw raw information
| Output Modifiers
<cr>
```

```
sysadmin-vm:0_RP0# show inventory ?
```

```
Possible completions:
```

```
all Get all FRU info
```

```
chassis Get chassis info
```

```
fan Get Fan info
```

```
location Select node location
```

```
power Get Power info
```

```
raw Get all entity info
```

```
| Output modifiers
```

```
<cr>
```

## 显示媒体

参考系统管理命令参考的[显示媒体](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有CLI输出更改。

**详细信息：**Disk0:没有使用作为在NCS 6000的引导盘。**rootfs**：分区是XR和Sysadmin的VMs引导分区。引导分区是XR VM和2.9G的3.9G Sysadmin VM的。**rootfs**：每个VM的分区从在路由处理器的一32GB固体推进(SSD)驱动被雕刻。**光盘**：每个VM的分区从在路由处理器的一200GB SSD驱动被雕刻。

**意义：**梅杰

```
RP/0/RP0/CPU0:NCS6008-A#show media
```

```
Mon Mar 31 14:25:38.992 UTC
```

```
Media Information for local node.
```

```
-----
Partition                Size      Used   Percent   Avail
rootfs:                   3.9G     746M    20%       3.0G
log:                      485M     25M     6%        436M
config:                   485M     17M     4%        443M
disk0:                    984M     18M     2%        916M
harddisk:                 37G      1.7G    5%        34G
-----
```

```
rootfs: = root file system (read-only)
```

```
log: = system log files (read-only)
```

```
config: = configuration storage (read-only)
```

```
RP/0/RP0/CPU0:NCS6008-A#show media loc 0/3/cpu0
```

```
Mon Mar 31 14:51:44.648 UTC
```

```
Media Information for node0_3_CPU0.
```

```

-----
Partition                Size      Used  Percent  Avail
rootfs:                  3.9G     745M    20%     3.0G
log:                     485M     21M     5%     439M
config:                  485M     17M     4%     444M
disk0:                   984M     52M     6%     883M
-----

```

```

rootfs: = root file system (read-only)
log: = system log files (read-only)
config: = configuration storage (read-only)

```

```

RP/0/RP0/CPU0:NCS6008-A#admin
Mon Mar 31 14:26:24.575 UTC

```

```

lab connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0
sysadmin-vm:0_RP0# sh media
Mon Mar 31 14:26:31.960 UTC

```

```

-----
Partition                Size      Used  Percent  Avail
-----
rootfs:                  2.9G     485M    18%     2.3G
log:                     494M     63M    14%     406M
config:                  494M     24M     6%     445M
disk0:                   965M     18M     2%     899M
harddisk:                37G     956M     3%     34G
-----

```

```

rootfs: = root file system (read-only)
log: = system log files (read-only)
config: = configuration storage (read-only)

```

```

RP/0/RP0/CPU0:CRS-K#show media
Sun Mar 30 21:31:30.784 UTC

```

Media Information for 0/RP0/CPU0.

Mountpoint	Image	Current	Part	Size	State	DrvrPid	Mirror	Flags
/disk0:	QNX4	QNX4	10.0G	Mounted	0036891	Enabled		
/disk0a:	QNX4	QNX4	1.1G	Mounted	0036891			
/harddiska:	QNX4	QNX4	14.2G	Mounted	0036891			
/disk1:	QNX4	QNX4	10.0G	Mounted	0036891			
/disk1a:	QNX4	QNX4	1.0G	Mounted	0036891			
/harddisk:	QNX4	QNX4	14.4G	Mounted	0036891			
/nvmmem:	FAT32	FAT32	2.8G	Mounted	0032789			
/nvmmem2:	FAT32	FAT32	0.9G	Mounted	0032789			
/disk2:	FAT32	(?)		Not Present				
/lcdisk0:	FAT32	(?)		Not Present				
/lcdisk0a:	FAT32	(?)						

Output Truncated to size 1023

# show memory

参考系统管理命令参考的[show memory](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有选项更改与CLI输出一起。

**详细信息：**内存体系结构显著更改与NCS 6008。结果，有对CLI输出的许多更改**show memory**命令。CLI命令选项更改较小。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-A#show memory ?
<0-4294967295> pid
compare          Create and compare memory snapshots
heap             Show process heap.
location         location to display
summary         Display only a summary of memory usage.
```

```
RP/0/RP0/CPU0:NCS6008-A#show memory summ
```

```
Sat Jan 31 23:42:43.354 UTC
```

```
Physical Memory: 11838M total (8707M available)
Application Memory : 11838M (8707M available)
Image: 4M (bootram: 0M)
Reserved: 0M, IOMem: 0M,          flashfsys: 0M
```

```
sysadmin-vm:0_RP0# show memory summ
```

```
Sat Jan 31 23:44:12.805 UTC
```

```
Sat Jan 31 23:44:12 UTC 1970
```

```
Physical Memory: 1905 MB total (781 MB available)
```

```
RP/0/RP0/CPU0:CRS-J#show memory ?
```

```
<0-4294967295> job id
compare          Create and compare memory snapshots
heap             Show process heap.
location         location to display
summary         Display only a summary of memory usage.
```

```
RP/0/RP0/CPU0:CRS-J#show mem summ
```

```
Fri Nov 15 17:42:47.525 UTC
```

```
Physical Memory: 12288M total (10223M available)
Application Memory : 11896M (10223M available)
Image: 71M (bootram: 71M)
Reserved: 256M, IOMem: 64K, flashfsys: 0
Total shared window: 28M
```

```
RP/0/RP0/CPU0:CRS-J(admin)#show mem summ
```

```
Fri Nov 15 17:44:04.400 UTC
```

```
Physical Memory: 12288M total (10221M available)
Application Memory : 11896M (10221M available)
```

Image: 71M (bootram: 71M)  
Reserved: 256M, IOMem: 64K, flashfsys: 0  
Total shared window: 28M

## show processes

参考系统管理命令参考的[show processes](#)部分Cisco NCS 6000系列路由器的，版本5.0.x欲知更多信息。

**摘要：**有次要变化在支持的选项并且在某些的输出中选项。

**详细信息：**不再支持显示pidin关键字。

**意义：**迈纳

RP/0/RP0/CPU0:NCS6008-SJ#**show processes ?**

```
<0-4294967295> job id
WORD           Name of the executable
aborts        Show process aborts
all           Show process data for all processes
blocked       Show file and channel use per process
boot          Show process boot info
boot-stalled  Show process boot-up blocked
cpu           Show CPU use per process new
distribution  Show distribution of processes
dynamic       Show process data for dynamically created processes
failover      Show process failover info
family        Show process family information.
files         Show file and channel use per process
location      location to display
log           Show process log
mandatory     Show process data for mandatory processes
memory        Show process memory information.
searchpath    Show the search path
signal        Show signal use for processes.
startup       Show process data for processes created at startup
threadname    Show thread names.
|            Output Modifiers
<cr>
```

RP/0/RP0/CPU0:CRS-J#**show process ?**

```
<0-4294967295> job id
WORD           Name of the executable
aborts        Show process aborts
all           Show process data for all processes
blocked       Show detail for reply/send/mutex blocked processes.
boot          Show process boot info
boot-stalled  Show process boot-up blocked
cpu           Show CPU use per process
distribution  Show distribution of processes
dynamic       Show process data for dynamically created processes
failover      Show process failover info
```

```

family          Show process family information.
files           Show file and channel use per process
location        location to display
log             Show process log
mandatory       Show process data for mandatory processes
memory          Show memory use per process
pidin         Show processes using QNX pidin command
searchpath      Show the search path
signal          Show signal use for processes.
startup         Show process data for processes created at startup
threadname      Show thread names.

```

## 显示平台

参考系统管理命令参考的[显示平台](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有另外的关键字选项和输出更改。

**详细信息：**show platform命令可以从XR或Sysadmin VM运行。

**XR VM：**vm关键字的支持被添加了。

在NCS，而不在经典XR，6000，命令显示结构、风扇和电源模块信息从XR VM。为了获得关于组件的那些类型的信息在经典XR的，必须从admin模式运行命令。

**Sysadmin VM：**详细信息关键字被添加为了为在系统的一个节点提供关于状态的其他信息和启动信息。为关键字被添加的片式支持。

**意义：**梅杰

```
RP/0/RP0/CPU0:NCS6008-A#show platform
```

```
Mon Mar 31 21:28:58.255 UTC
```

Node name	Node type	Node state	Admin state	Config state
0/3	NC6-10X100G-M-P	OPERATIONAL	UP	NSHUT
0/3/NPU0	Slice	UP	UP	
0/3/NPU1	Slice	UP	UP	
0/3/NPU2	Slice	UP	UP	
0/3/NPU3	Slice	UP	UP	
0/3/NPU4	Slice	UP	UP	
0/4	NC6-10X100G-L-K	OPERATIONAL	UP	NSHUT
0/4/NPU0	Slice	UP	UP	
0/4/NPU1	Slice	UP	UP	
0/4/NPU2	Slice	UP	UP	
0/4/NPU3	Slice	UP	UP	
0/4/NPU4	Slice	UP	UP	
0/RP0	NC6-RP	OPERATIONAL	UP	NSHUT
0/RP1	NC6-RP	OPERATIONAL	UP	NSHUT
0/FC0	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC1	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC2	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC3	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC4	NC6-FC	OPERATIONAL	UP	NSHUT

0/FC5	NC6-FC	OPERATIONAL	UP	NSHUT
0/FT0	NC6-FANTRAY	OPERATIONAL	UP	NSHUT
0/FT1	NC6-FANTRAY	OPERATIONAL	UP	NSHUT
0/PT0	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT1	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT2	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT3	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT4	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT5	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT

RP/0/RP0/CPU0:NCS6008-A#**show platform vm**

Mon Mar 31 21:26:11.922 UTC

Node name	Node type	Partner name	SW status	IP address
0/4/CPU0	LC (ACTIVE)	NONE	FINAL Band	192.0.80.3
0/3/CPU0	LC (ACTIVE)	NONE	FINAL Band	192.0.76.3
0/RP0/CPU0	RP (ACTIVE)	0/RP1/CPU0	FINAL Band	192.0.0.4
0/RP1/CPU0	RP (STANDBY)	0/RP0/CPU0	FINAL Band	192.0.4.4

sysadmin-vm:0\_RP0# **show platform ?**

Description: Show platform node information

Possible completions:

detail Show details of node type and state

location Location of node to show; omit to show all locations

slices Show summary of node forwarding slices

| Output modifiers

<cr>

sysadmin-vm:0\_RP0# **show platform**

Mon Mar 31 21:32:14.929 UTC

Location	Card Type	HW State	SW State	Config State
0/RP0	NC6-RP	OPERATIONAL	OPERATIONAL	NSHUT
0/RP1	NC6-RP	OPERATIONAL	OPERATIONAL	NSHUT
0/FC0	NC6-FC	OPERATIONAL	N/A	NSHUT
0/FC1	NC6-FC	OPERATIONAL	N/A	NSHUT
0/FC2	NC6-FC	OPERATIONAL	N/A	NSHUT
0/FC3	NC6-FC	OPERATIONAL	N/A	NSHUT
0/FC4	NC6-FC	OPERATIONAL	N/A	NSHUT
0/FC5	NC6-FC	OPERATIONAL	N/A	NSHUT
0/FT0	NC6-FANTRAY	OPERATIONAL	N/A	NSHUT
0/FT1	NC6-FANTRAY	OPERATIONAL	N/A	NSHUT
0/3	NC6-10X100G-M-P	OPERATIONAL	OPERATIONAL	NSHUT
0/4	NC6-10X100G-L-K	OPERATIONAL	OPERATIONAL	NSHUT
0/PT0	NCS-AC-PWRTRAY	OPERATIONAL	N/A	NSHUT
0/PT1	NCS-AC-PWRTRAY	OPERATIONAL	N/A	NSHUT
0/PT2	NCS-AC-PWRTRAY	OPERATIONAL	N/A	NSHUT
0/PT3	NCS-AC-PWRTRAY	OPERATIONAL	N/A	NSHUT
0/PT4	NCS-AC-PWRTRAY	OPERATIONAL	N/A	NSHUT
0/PT5	NCS-AC-PWRTRAY	OPERATIONAL	N/A	NSHUT

sysadmin-vm:0\_RP0# show platform slices

Mon Mar 31 21:29:29.852 UTC

Location	Slice Num	Admin State	Oper State
-----			
0/3	0	UP	UP
	1	UP	UP
	2	UP	UP
	3	UP	UP
	4	UP	UP
0/4	0	UP	UP
	1	UP	UP
	2	UP	UP
	3	UP	UP
	4	UP	UP

sysadmin-vm:0\_RP0# show platform detail loc 0/4/cpu0

Sun Feb 1 03:09:15.363 UTC

Platform Information for 0/4/cpu0

PID : NC6-10X100G-M-P

Description : "NCS 6000 10x100G Multi-Service CXP"

VID/SN : V01

HW Oper State : OPERATIONAL

SW Oper State : OPERATIONAL

Configuration : "NSHUT RST"

HW Version : 0.6

Last Event : HW\_EVENT\_OK

Last Event Reason : "Initial discovered state:BOOTED (card ok)"

RP/0/RP1/CPU0:CRS-H#show platform

Mon Mar 31 17:21:18.956 EDT

Node	Type	PLIM	State	Config State
-----				
0/0/CPU0	MSC-140G	14-10GbE	IOS XR RUN	PWR, NSHUT, MON
0/4/CPU0	MSC-140G	1-100GbE	IOS XR RUN	PWR, NSHUT, MON
0/RP0/CPU0	RP(Standby)	N/A	IOS XR RUN	PWR, NSHUT, MON
0/RP1/CPU0	RP(Active)	N/A	IOS XR RUN	PWR, NSHUT, MON
1/2/CPU0	MSC-140G	N/A	IN-RESET	PWR, NSHUT, MON
1/3/CPU0	MSC	Jacket Card	IOS XR RUN	PWR, NSHUT, MON
1/3/1	MSC (SPA)	8X1GE	OK	PWR, NSHUT, MON
1/4/CPU0	MSC	10C768-POS	IOS XR RUN	PWR, NSHUT, MON
1/5/CPU0	FP-140G	4-40GbE-OTN	IOS XR RUN	PWR, NSHUT, MON
1/8/CPU0	MSC	Jacket Card	IOS XR RUN	PWR, NSHUT, MON
1/8/1	MSC (SPA)	4XOC3-POS-V2	OK	PWR, NSHUT, MON
1/9/CPU0	MSC	10C768-DWDM	IOS XR RUN	PWR, NSHUT, MON
1/RP0/CPU0	RP(Active)	N/A	IOS XR RUN	PWR, NSHUT, MON
1/RP1/CPU0	RP(Standby)	N/A	IOS XR RUN	PWR, NSHUT, MON

RP/0/RP1/CPU0:CRS-H#show platform ?

WORD Partially qualified location specification

drops Forwarding drops

| Output Modifiers

<cr>

## 显示重新启动

**摘要：**由于XR VM和Sysadmin VM的分离，**reboot命令**的显示在NG-XR更改。

**详细信息：**在XR VM下，您能查看XR VM的重新启动历史记录每个激活线路卡的/RP。

在Sysadmin VM下，Sysadmin VM的重新启动历史记录每个激活线路卡的/RP可以与线路卡的/RP重新启动历史记录一起查看，(收回Sysadmin VM可以重新启动，不用实际线路卡的重新加载)。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS#show reboot ?
  history  Display reboot history of node
RP/0/RP0/CPU0:TLAB97-NCS1#
RP/0/RP0/CPU0:TLAB97-NCS1#
RP/0/RP0/CPU0:TLAB97-NCS1#admin
Wed Dec 11 03:37:51.036 EST

admin connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0
sysadmin-vm:0_RP1# show reboot ?
Description: Show reboot history events
Possible completions:
admin-vm   Admin VM reboot history
card       Card reboot history
reverse    Show reboot history in reverse order
|          Output modifiers
<cr>
```

## 显示sdrinvmgr

**摘要：**这是一个新加的in命令XR + Sysadmin VM。

**详细信息：**这新建可操作的行为。

**意义：**梅杰

## show tech-support

**摘要：**有与Command关键字选项更改的输出的更改

**详细信息：**为这些show tech-support关键字支持删除在NCS 6000：

- aipcproxy
- atm
- 呼叫到家
- chdlc
- 设置组
- 控制器
- crypto



- 法比奥
- 帧中继
- ipinfra
- lrd
- onep
- 平台
- 肋骨
- svd
- 17-May-01
- 通道IP

这些admin模式show tech-support关键字的支持在NCS 6000删除：

- asic
- 套件
- cfgmgr
- 控制以太网
- 诊断
- dsc
- ees
- 健康检查
- invmgr
- issu
- 许可证
- lrd
- nrs
- pcie
- shelfmgr
- sysdb
- 17-May-01

为这些show tech-support关键字支持是可用的在NCS 6008，但是不在CRS：

- 结构-在NCS 6008的XR VM中
- 安装-在NCS 6008的XR VM中
- lwm -在NCS 6008的XR VM中
- npu -在NCS 6008的XR VM中
- processmgr -在NCS 6008的XR VM中
- rdm -在NCS 6008的XR VM中
- sdrinvmgr -在NCS 6008的XR VM中

为这些Sysadmin VM show tech-support关键字支持是可用的在NCS 6000，但是不在CRS：

- alarm\_mgr
- 所有
- ccc
- confd
- envmon

- fpd
- obfl
- 下午
- sdr\_mgr
- shelf\_mgr
- slice\_manager
- Syslog

意义：迈纳

RP/0/RP0/CPU0:NCS#show tech-support ?

```

access-lists      Output show commands of interest for access-lists debugging
aps                Output show commands of interest for APS debugging
arp                Output show commands of interest for ARP debugging
bcd1               Output show commands of interest for bcd1 debugging
bcdlv2            Output show commands of interest for bcdlv2 debugging
bundles           Output show commands of interest for bundle debugging
cef               CEF tech-support information
cef                Output show commands of interest for CEF debugging
cfgmgr            cfgmgr tech-support information
chkpt             Gather information required to debug checkpoint
cpuctrl           cpuctrl tech-support
dhcp              DHCP tech-support
eem               Show eem information for tech-support
ema               Output show commands of interest for ema debugging
ethernet          Output show commands of interest for ethernet debugging
fabric            fabric tech support information
file              Specify a valid file name (e.g. disk0:tmp.log)
gsp               gsp tech-support information
hsrp              Output show commands of interest for HSRP debugging
install           Gather all the information about Install for tech-support
iphc              Output show commands of interest for iphc debugging
l2tp              Output show commands for L2TP tech-support
l2vpn             Output show commands for L2VPN debugging
location          Specify a location
lpts              show tech-support output for LPTS
lwm               Gather all the information about the Light Weight Messaging (LWM)
mpls              Output show commands of interest for MPLS debugging
multicast         Show multicast related information
multilink         show tech-support output for multilink
netflow           Output show commands of interest for Netflow debugging
npu               npu tech-support
nrs               NRS tech-support information
p2p-ipc           aipc show tech-support output
parser            Parser show tech-support output for debugging
password          Include password in output
performance-mgmt  Performance management show tech-support output
pfi               Collect PFI related information and save to disk
placed            Gather all the information about the Placement Daemon (Placed)
pos               Output show commands of interest for pos debugging
ppp               Output show commands of interest for ppp debugging
processmgr        Gather all the information about the Process Manager (ProcessMgr)

```

```

protection-notif Collect fast traffic protection information and save to disk
gos             Collect QOS related information and save to disk
rack           Show list of racks
radius         Output show commands of interest for radius debugging
rcmd           RCMD show tech-support output
rdm            rdm tech-support
rdsfs          Gather lots of information about RDSFS
rib            Show IP RIB related information
routing        Routing show tech-support output
rsi            show tech-support output for RSI (Router Space Infrastructure)
sanitized      Sanitized configuration in output
sdr-invmgr     Spawn parallel show tech-support - use only if directed
serial         Output show commands of interest for serial debugging
services       Show tech-support information relating to services
snmp           SNMP tech-support information
spa            Gather information about SPA
spp            Output show commands of interest for SPP debugging
srlg           show tech-support output for SRLG (Shared Risk Link Group)
ssm            Service State Monitoring (SSM) tech-support information
statsd         Output show commands of use for statistics debugging
sysdb          System Database (SysDB) tech-support information
tcp            TCP supported trace and debugging
tunnel-template Output show commands of interest for tunnel-template debugging
vrrp           Output show commands of interest for VRRP debugging
xos            Gather information about Cross-OS Services
<cr>

```

RP/0/RP0/CPU0:NCS#**admin**

Sat Mar 12 23:45:23.763 UTC

cisco connected from 127.0.0.1 using console on xr-vm\_node0\_RP0\_CPU0

sysadmin-vm:0\_RP0# **show tech-support ?**

Possible completions:

```

alarm_mgr      Show tech of alarm_mgr process
all            Show tech of entire node
ccc            Show tech of ccc_driver process
confd          show debug information for confd
control-ethernet Show tech of control ethernet subsystem
envmon         Show tech of envmon process
fabric         Show tech of fabric component
fpd            Show tech of fpd process
install        show debug information for install
obfl           Show tech of obfl process
pm             Show tech of pm process
sdr_mgr        Show tech of sdr_mgr process
shelf_mgr      Show tech of shelf_mgr process
slice_manager  Show tech of slice_manager process
syslog         Show tech of syslog process

```

RP/0/RP0/CPU0:CRS#**show tech-support ?**

```

access-lists   Output show commands of interest for access-lists debugging
(cisco-support)

```

aipcproxy	Gather lots of information about aipc_proxy
(cisco-support)	
aps	Output show commands of interest for APS debugging
arp	Output show commands of interest for ARP debugging
(cisco-support)	
atm	Output show commands of interest for atm debugging
(cisco-support)	
bcdl	Output show commands of interest for bcdl debugging
bcdlv2	Output show commands of interest for bcdlv2 debugging
(cisco-support)	
bundles	Output show commands of interest for bundle debugging
(cisco-support)	
call-home	Show call-home information for tech-support
cef	CEF tech-support information(cisco-support)
cef	Output show commands of interest for CEF debugging
cfgmgr	cfgmgr tech-support information(cisco-support)
chdlc	Output show commands of interest for chdlc debugging
(cisco-support)	
chkpt	Gather information required to debug checkpoint
(cisco-support)	
config-group	Config Group tech-support information(cisco-support)
controllers	Show tech-support information for controllers(cisco-support)
cpuctrl	cpuctrl tech-support(cisco-support)
crypto	CRYPTO show tech-support output
dhcp	DHCP tech-support(cisco-support)
eem	Show eem information for tech-support
ethernet	Ethernet show tech commands(cisco-support)
ethernet	Output show commands of interest for ethernet debugging
(cisco-support)	
fabio	fabio tech-support(cisco-support)
file	Specify a valid file name (e.g. disk0:tmp.log)
frame-relay	Output show commands of interest for Frame-Relay debugging
(cisco-support)	
gsp	gsp tech-support information
hsrp	Output show commands of interest for HSRP debugging
(cisco-support)	
iphc	Output show commands of interest for iphc debugging
ipinfra	Output show commands of interest for ip-infra debugging
(cisco-support)	
l2tp	Output show commands for L2TP tech-support(cisco-support)
l2vpn	Output show commands for L2VPN debugging(cisco-support)
location	Specify a location(cisco-support)
lpts	show tech-support output for LPTS
lrd	Output show commands of interest for lrd debugging
(cisco-support)	
mpls	Output show commands of interest for MPLS debugging
(cisco-support)	
multicast	Show multicast related information
multilink	show tech-support output for multilink(cisco-support)
netflow	Output show commands of interest for Netflow debugging
(cisco-support)	
nrs	NRS tech-support information

onep	Collect ONEP related information and save to disk
(cisco-support)	
p2p-ipc	aipc show tech-support output
parser	Parser show tech-support output for debugging
(cisco-support)	
password	Include password in output
performance-mgmt	Performance management show tech-support output(cisco-support)
pfi	Collect PFI related information and save to disk(cisco-support)
placed	Gather all the information about the Placement Daemon (Placed)
platform	show tech-support platform output(cisco-support)
pos	Output show commands of interest for pos debugging
(cisco-support)	
ppp	Output show commands of interest for ppp debugging
(cisco-support)	
protection-notif	Collect fast traffic protection information and save to disk
(cisco-support)	
qos	Collect QOS related information and save to disk(cisco-support)
rack	Show list of racks(cisco-support)
radius	Output show commands of interest for radius debugging
(cisco-support)	
rcmd	RCMD show tech-support output
rdsfs	Gather lots of information about RDSFS(cisco-support)
rib	Show IP RIB related information(cisco-support)
routing	Routing show tech-support output
rsi	show tech-support output for RSI (Router Space Infrastructure)
(cisco-support)	
sanitized	Sanitized configuration in output
satellite	Collect Satellite related information and save to disk
(cisco-support)	
serial	Output show commands of interest for serial debugging
(cisco-support)	
services	Show tech-support information relating to services
(cisco-support)	
snmp	SNMP tech-support information(cisco-support)
spa	Gather information about SPA
spaipc	Output show commands of interest for spaipc debugging
(cisco-support)	
span	Collect tech-support information for the SPAN feature
(cisco-support)	
spio	Collect SPIO information and save to disk(cisco-support)
spp	Output show commands of interest for SPP debugging
(cisco-support)	
srlg	show tech-support output for SRLG (Shared Risk Link Group)
(cisco-support)	
ssm	Service State Monitoring (SSM) tech-support information
statsd	Output show commands of use for statistics debugging
(cisco-support)	
svd	show tech-support output for svd(cisco-support)
sysdb	System Database (SysDB) tech-support information(cisco-support)
sysmgr	Gather all the information about the System Manager (SysMgr)
tcp	TCP supported trace and debugging
tty	TTY tech-support information(cisco-support)

```
tunnel-ip          Output show commands of interest for GRE/IPinIP(cisco-support)
tunnel-template    Output show commands of interest for tunnel-template debugging
vrrp               Output show commands of interest for VRRP debugging
(cisco-support)
xos                Gather information about Cross-OS Services
<cr>
```

```
RP/0/RP0/CPU0:CRS#admin
```

```
RP/0/RP0/CPU0:CRS(admin)#show tech-support ?
```

```
asic              Run asic snapshot script
bundles           Output show commands of interest for bundle debugging
(cisco-support)
cctl              Spawn parallel show tech-support - use only if directed
cfgmgr            cfgmgr tech-support information(cisco-support)
control-ethernet Output show commands of interest for control-ethernet debugging
diagnostics       Output show commands of interest for diagnostics debugging
dsc               DSC tech-support for troubleshooting
ees               Show EES snapshot information for tech-support
fabric            Output of show tech-support from fabric debugging
file              Specify a valid file name (e.g. disk0:tmp.log)
gsp               gsp tech-support information
health-check      Run health check script
install           Write install information for tech-support to a file
invmgr            Spawn parallel show tech-support - use only if directed
issu              Write ISSU information for tech-support to a file
license           Show license information for tech-support
location          Specify a location
lrd               LRd tech-support information
media             Write media information for tech-support to a file
nrs               NRS tech-support information
password          Include password in output
pcie              Output show commands of interest for pcie debugging
pm                Output show commands of interest for power-management debugging
rack              Show list of racks
sanitized         Sanitized configuration in output
shelfmgr          Spawn parallel show tech-support - use only if directed
sysdb             System Database (SysDB) tech-support information
sysdb-config-grp System Database (SysDB) Config Group tech-support information
sysmgr            Gather all the information about the System Manager (SysMgr)
<cr>
```

## show version

参考系统管理命令参考的[show version](#)部分Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有主要输出更改。

**详细信息：**输出在NCS 6008非常地简化，由于另外OS结构。

**意义：**迈纳

```
RP/0/RP0/CPU0:NCS6008-SJ#show version
```

```
Wed Feb 19 13:28:14.726 UTC
```

```
Cisco IOS XR Software, Version 5.0.1
```

```
Copyright (c) 2013 by Cisco Systems, Inc.
```

```
Build Information:
```

```
Built By      : palwal  
Built On      : Tue Feb  4 13:35:37 PST 2014  
Build Host    : iox-bld4  
Workspace     : /auto/srcarchive9/production/5.0.1/all/workspace  
Version       : 5.0.1  
Location      : /opt/cisco/XR/packages/
```

```
System uptime is 6 days, 23 hours, 25 minutes
```

```
RP/0/RP0/CPU0:NCS6008-SJ#admin
```

```
Wed Feb 19 13:28:35.460 UTC
```

```
sysadmin-vm:0_RP0# show version
```

```
Wed Feb  19 13:29:39.923 UTC
```

```
Cisco IOS XR Admin Software, Version 5.0.1
```

```
Copyright (c) 2013 by Cisco Systems, Inc.
```

```
Build Information:
```

```
Built By      : palwal  
Built On      : Tue Feb  4 11:17:38 PST 2014  
Build Host    : iox-bld4  
Workspace     : /auto/srcarchive9/production/cal-r50x-501  
Version       : 5.0.1  
Location      : /opt/cisco/calvados/packages/
```

```
BIOS Version  : 10.2
```

```
System uptime is 6 days, 23 hours, 28 minutes
```

```
sysadmin-vm:0_RP0#
```

## 顶部

参考系统管理命令参考的[顶部](#) Cisco NCS 6000系列路由器的欲知更多信息。

**摘要：**有对关键字选项和输出的更改。命令是可用的在Sysadmin VM和XR VM。

**详细信息：**`dumbtty`的关键字位置在CLI移动。在NCS 6000，顶部可以指定与线路卡的位置，当在CRS时。它不为线路卡位置工作。

**意义：**迈纳

```
sysadmin-vm:0_RP0# top location 0/4 dumbtty
```

Thu Feb 12 21:54:27.686 UTC

\*\*\*\*\*

Location : 0/4

\*\*\*\*\*

top - 21:54:28 up 18:54, 1 user, load average: 0.00, 0.00, 0.00  
Tasks: 153 total, 1 running, 152 sleeping, 0 stopped, 0 zombie  
Cpu(s): 1.2%us, 0.5%sy, 0.0%ni, 98.2%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st  
Mem: 1009016k total, 769648k used, 239368k free, 27072k buffers  
Swap: 14444k total, 0k used, 14444k free, 323424k cached

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+
1	root	20	0	14932	1368	1132	S	0.0	0.1	0:01.76
init										
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00
kthreadd										
3	root	RT	0	0	0	0	S	0.0	0.0	0:00.00
migration/0										
4	root	20	0	0	0	0	S	0.0	0.0	0:01.28
ksoftirqd/0										
5	root	RT	0	0	0	0	S	0.0	0.0	0:00.00
watchdog/0										
6	root	20	0	0	0	0	S	0.0	0.0	0:02.68
events/0										
7	root	20	0	0	0	0	S	0.0	0.0	0:00.00
cpuset										
8	root	20	0	0	0	0	S	0.0	0.0	0:00.00
khelper										
9	root	20	0	0	0	0	S	0.0	0.0	0:00.00
netns										
10	root	20	0	0	0	0	S	0.0	0.0	0:00.00
async/mgr										
11	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pm										
12	root	20	0	0	0	0	S	0.0	0.0	0:00.06
sync_supers										



13 root default	20	0	0	0	0	S	0.0	0.0	0:00.08	bdi-
14 root kintegrityd/0	20	0	0	0	0	S	0.0	0.0	0:00.00	
15 root kblockd/0	20	0	0	0	0	S	0.0	0.0	0:00.20	
16 root kacpid	20	0	0	0	0	S	0.0	0.0	0:00.00	
17 root kacpi_notify	20	0	0	0	0	S	0.0	0.0	0:00.00	
18 root kacpi_hotplug	20	0	0	0	0	S	0.0	0.0	0:00.00	
19 root ata/0	20	0	0	0	0	S	0.0	0.0	0:00.00	
20 root ata_aux	20	0	0	0	0	S	0.0	0.0	0:00.00	
21 root khubd	20	0	0	0	0	S	0.0	0.0	0:00.00	
22 root kseriod	20	0	0	0	0	S	0.0	0.0	0:00.00	
24 root kslowd000	15	-5	0	0	0	S	0.0	0.0	0:00.00	
25 root kslowd001	15	-5	0	0	0	S	0.0	0.0	0:00.00	
26 root khungtaskd	20	0	0	0	0	S	0.0	0.0	0:00.01	
27 root kswapd0	20	0	0	0	0	S	0.0	0.0	0:00.00	
28 root ksmd	25	5	0	0	0	S	0.0	0.0	0:00.00	
29 root aio/0	20	0	0	0	0	S	0.0	0.0	0:00.00	
30 root crypto/0	20	0	0	0	0	S	0.0	0.0	0:00.00	

34	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
35	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
36	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
37	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
38	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
39	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
40	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
41	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
42	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
43	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
44	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
45	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
46	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
47	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
48	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
49	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
50	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
51	root	20	0	0	0	0	S	0.0	0.0	0:00.00

pciehpdp\_0000:37

52 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

53 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

54 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

55 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

56 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

57 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

58 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

59 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:37

60 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

61 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

62 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

63 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

64 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

65 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

66 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

67 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

68 root 20 0 0 0 0 S 0.0 0.0 0:00.00  
pciehpdp\_0000:48

69	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
70	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
71	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
72	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
73	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
74	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
75	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:48									
76	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
77	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
78	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
79	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
80	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
81	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
82	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
83	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
84	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									
85	root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehp_d_0000:59									

86	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
pciehp_d_0000:59											
87	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
pciehp_d_0000:59											
88	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
pciehp_d_0000:59											
89	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
pciehp_d_0000:59											
90	root	20	0	0	0	0	S	0.0	0.0	0:00.03	
pciehp_d_0000:59											
91	root	20	0	0	0	0	S	0.0	0.0	0:00.01	
pciehp_d_0000:59											
93	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
uio/0											
94	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
kpsmoused											
95	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
usbhid_resumer											
114	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
kstriped											
529	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_0											
530	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_1											
539	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
khvcd											
567	root	20	0	0	0	0	S	0.0	0.0	0:00.07	jbd2/vda1-8
568	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-unwrit
618	root	16	-4	4576	1100	432	S	0.0	0.1	0:00.08	
udev											
1106	root	20	0	0	0	0	S	0.0	0.0	0:00.78	jbd2/vdc1-8
1107	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-

unwrit

1151 root 20 0 0 0 0 S 0.0 0.0 0:00.00 jbd2/vdc2-8

1152 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ext4-dio-unwrit

1165 root 20 0 0 0 0 S 0.0 0.0 0:00.00 jbd2/vdc3-8

1166 root 20 0 0 0 0 S 0.0 0.0 0:00.00 ext4-dio-unwrit

1175 root 20 0 0 0 0 S 0.0 0.0 0:00.00 kjournald

1328 root 20 0 11280 1304 1100 S 0.0 0.1 0:00.00 oom.sh

1332 root 20 0 0 0 0 S 0.0 0.0 0:00.00 low\_mem\_thread

1334 root 20 0 11280 552 300 S 0.0 0.1 0:00.17 oom.sh

1440 root 20 0 6104 660 524 S 0.0 0.1 0:00.22 syslogd

1444 root 20 0 6848 3380 432 S 0.0 0.3 0:00.08 klogd

1499 root 20 0 13172 864 712 S 0.0 0.1 0:00.03 lldpad

1511 root 20 0 12844 624 456 S 0.0 0.1 0:00.00 dbus-daemon

1543 root 20 0 23252 1140 772 S 0.0 0.1 0:00.00 sshd

1551 root 20 0 11120 836 676 S 0.0 0.1 0:00.00 xinetd

1583 root 20 0 7012 1096 572 S 0.0 0.1 0:00.35 crond

1595 root 20 0 148m 4268 2928 S 0.0 0.4 0:00.13 libvirtd

1664 root 20 0 3992 392 312 S 0.0 0.0 0:00.00agetty

1690	root	20	0	3992	388	312	S	0.0	0.0	0:00.00	
agetty											
1692	root	20	0	3992	392	312	S	0.0	0.0	0:00.00	
agetty											
1715	root	18	-2	4572	1064	400	S	0.0	0.1	0:00.00	
udevd											
1716	root	18	-2	4572	976	312	S	0.0	0.1	0:00.00	
udevd											
1724	root	20	0	0	0	0	S	0.0	0.0	0:00.00	jbd2/vdb1-
8											
1725	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-
unwrit											
1727	root	20	0	144m	11m	3860	S	0.0	1.2	0:04.96	
pm											
1732	root	20	0	201m	7916	4004	S	0.0	0.8	0:00.65	
bios_fpd											
1733	root	20	0	110m	4776	2792	S	0.0	0.5	0:00.14	
calv_alarm_mgr											
1734	root	20	0	424m	19m	5652	S	0.0	1.9	8:20.74	
ccc_driver											
1735	root	20	0	172m	16m	3188	S	0.0	1.7	0:04.05	
cm											
1736	root	20	0	83668	2916	1864	S	0.0	0.3	0:00.67	
debug_client											
1737	root	20	0	120m	9472	2200	S	0.0	0.9	0:00.71	
ds											
1738	root	20	0	106m	3068	1920	S	0.0	0.3	0:00.64	
dumper											
1739	root	20	0	266m	11m	5088	S	0.0	1.2	0:06.72	
envmon											
1740	root	20	0	429m	16m	6060	S	0.0	1.7	0:28.45	
esd											
1741	root	20	0	197m	8192	4900	S	0.0	0.8	0:02.28	
inst_agent											

1742	root	20	0	165m	7552	3932	S	0.0	0.7	0:01.25	
	led_mgr										
1743	root	20	0	90160	3340	2136	S	0.0	0.3	0:01.99	
	ntp_helper										
1744	root	20	0	175m	7472	4152	S	0.0	0.7	0:02.82	
	obfl_mgr										
1745	root	20	0	112m	3608	2332	S	0.0	0.4	0:01.69	
	obfl_show										
1746	root	20	0	238m	28m	4140	S	0.0	2.9	0:00.79	
	sdr_mgr										
1747	root	20	0	359m	19m	7116	S	0.0	2.0	0:12.10	
	shelf_mgr										
1748	root	20	0	102m	4008	2584	S	0.0	0.4	0:00.97	
	ship_server										
1749	root	20	0	338m	16m	7192	S	0.0	1.7	7:22.68	
	slice_manager										
1750	root	20	0	99584	3280	2108	S	0.0	0.3	0:01.69	
	ssh_key_client										
1751	root	20	0	140m	4204	2620	S	0.0	0.4	0:54.73	
	syslogd_helper										
1752	root	20	0	102m	3604	2432	S	0.0	0.4	0:00.65	
	timezone_notify										
1753	root	20	0	146m	7864	3864	S	0.0	0.8	0:01.68	
	vm_manager										
1754	root	20	0	121m	6680	2464	S	0.0	0.7	0:06.02	
	wdmon										
1782	root	20	0	37860	2528	1912	S	0.0	0.3	0:00.00	
	ssh										
2012	root	20	0	28176	1488	1160	S	0.0	0.1	0:00.26	
	ntpd										
4680	root	20	0	0	0	0	S	0.0	0.0	0:00.05	flush-
	252:32										
7469	root	20	0	0	0	0	S	0.0	0.0	0:00.00	flush-
	252:0										
7521	root	20	0	3852	392	316	S	0.0	0.0	0:00.00	



sleep

7522 root 20 0 27884 2432 1972 S 0.0 0.2 0:00.01  
sshd

7524 root 20 0 10820 1164 844 R 0.0 0.1 0:00.00 top

RP/0/RP0/CPU0:CRS-J(admin)#top dumbtty loc ?

WORD Fully qualified location specification

RP/0/RP0/CPU0:CRS-J(admin)#top dumbtty loc 0/RP0/CPU0

Wed Nov 27 15:55:14.736 UTC

Computing times...348 processes; 1904 threads;

CPU states: 97.6% idle, 2.0% user, 0.2% kernel

Memory: 12288M total, 10004M avail, page size 4K

Time: Wed Nov 27 15:55:16.911 UTC

JID	TID	LAST_CPU	PRI	STATE	HH:MM:SS	CPU	COMMAND
367	10	1	10	Run	0:00:42	0.84%	qsm
367	11	1	10	Rcv	0:00:23	0.67%	qsm
67	10	1	50	NSlp	1:29:44	0.33%	ce_switch
1	63	0	10	Run	0:02:49	0.29%	procnto-smp-instr
67	9	1	50	NSlp	0:31:09	0.12%	ce_switch
67	6	1	10	NSlp	0:12:26	0.04%	ce_switch
65883	1	0	10	Rply	0:00:00	0.02%	top
62	12	1	55	Rcv	0:19:41	0.02%	eth_server
67	11	1	56	NSlp	0:00:02	0.00%	ce_switch
343	1	0	10	Rcv	0:00:00	0.00%	oir_daemon

RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/RP0/CPU0 ?

<cr>

RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/0/CPU0

Wed Nov 27 15:56:40.661 UTC

Sorry, that node can't be found

RP/0/RP0/CPU0:CRS-J(admin)#show plat

Wed Nov 27 15:56:46.461 UTC

Node	Type	PLIM	State	Config State
0/0/CPU0	MSC-140G	20-10GbE	IOS XR RUN	PWR,NSHUT,MON
0/1/SP	MSC(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/1/CPU0	MSC	Jacket Card	IOS XR RUN	PWR,NSHUT,MON
0/1/0	MSC(SPA)	OC192RPR-XFP	OK	PWR,NSHUT,MON
0/1/1	MSC(SPA)	8X1GE	OK	PWR,NSHUT,MON
0/1/2	MSC(SPA)	10X1GE	OK	PWR,NSHUT,MON
0/6/SP	MSC(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/6/CPU0	MSC	4-10GbE	IOS XR RUN	PWR,NSHUT,MON
0/7/SP	MSC(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/7/CPU0	MSC	10C768-POS	IOS XR RUN	PWR,NSHUT,MON
0/RP0/CPU0	RP(Active)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/RP1/CPU0	RP(Standby)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM0/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON

```
0/SM1/SP      FC-140G/S(SP)  N/A           IOS XR RUN     PWR,NSHUT,MON
0/SM2/SP      FC-140G/S(SP)  N/A           IOS XR RUN     PWR,NSHUT,MON
0/SM3/SP      FC-140G/S(SP)  N/A           IOS XR RUN     PWR,NSHUT,MON
RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/1/CPU0
Wed Nov 27 15:56:57.012 UTC
Sorry, that node can't be found
```

## Cisco NCS 6000系列路由器命令参考指南

- [Cisco NCS 6000系列路由器的系统管理命令参考](#)
- [Cisco NCS 6000系列路由器的系统管理命令参考，版本5.0.x](#)