

NCS 6008平台独立CLI命令更改

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。

Note: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/libsysmgr.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 0x0003e000 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/libip4.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/libip4_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
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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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/libbgp_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: 0xffffffffffffffffc
```

```
rbx: 0x18
```

```
rcx: 0xfffffffffffffffff
```

```
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: 0xffffffffffffffc
rbx: 0x7fe0ab52fe30
rcx: 0xffffffffffffff
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: 0xffffffffffffffff
rbx: 0x1
rcx: 0xffffffffffffffff
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: 0xffffffffffffffff
rbx: 0xb67b70
rcx: 0xffffffffffffffff
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 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 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: 0xffffffffffffe00
rbx: 0x7fe0ab608008
rcx: 0xfffffffffffffff
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: 0xfffffffffffffc
rbx: 0xb67b70
rcx: 0xfffffffffffffff
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 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 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: 0xfffffffffffffffffc
rbx: 0xbb6290
rcx: 0xffffffffffffffffff
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 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 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: 0xffffffffffffc
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: 0xffffffffffffffff
rbx: 0x7fe08e7cde20
rcx: 0xffffffffffffffff
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: 0xfffffffffffffffffc
rbx: 0x7fe08e74ce20
rcx: 0xffffffffffffffffff
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: 0xfffffffffffffffffc
rbx: 0x8
rcx: 0xffffffffffffffffff
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 0x00500001fcc920a in ?? ()

Mapping information

2117: syslogd
0000000000400000 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/l_syslogd/dbg_b2_o846

00007fe08e12e000	40K	rw-s-	/dev/shmem/ltrace/lwmlib/l_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/l_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
00007fe08fela000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08felb000       4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe08felc000    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/libhdr_invmgr_capi_proto.so
00007fe0936f9000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi_proto.so
00007fe0938f8000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_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/libbcm_proto.so.0.0.1
00007fe0958b0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_proto.so.0.0.1
00007fe095aaf000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_proto.so.0.0.1
00007fe095ab0000     56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_capi.so.0.0.1
00007fe095abe000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_capi.so.0.0.1
00007fe095cbd000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_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/libiparmtlv.so
00007fe096bb3000 2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmtlv.so
00007fe096db2000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmtlv.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--

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/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/libttynmspc.so
00007fe09bd2e000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.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
00007fe09dddd000 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
00007fe09dddff000 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
00007fe09dfdf000 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/libsysmrv.so
00007fe0a0eae000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmrv.so
00007fe0a10ad000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmrv.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
00007fe0ald0f000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0ald10000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0ald12000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0alf11000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0alf12000     124K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0alf31000     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/libslld.so
00007fe0a6b76000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libslld.so
00007fe0a6d75000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libslld.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/libipv4.so
00007fe0a9830000     2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4.so
00007fe0a9a30000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4.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-mpls.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_diskla:
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 diskla:
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_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	diskla:
1043456	998400	nvram	rw	nvram:
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 FsType	Current FsType	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：

- aipccproxy
- 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
bcdl             Output show commands of interest for bcdl 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
qos              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	20	0	0	0	0	S	0.0	0.0	0:00.08 bdi-

default

14 root	20	0	0	0	0 S	0.0	0.0	0:00.00
kintegrityd/0								
15 root	20	0	0	0	0 S	0.0	0.0	0:00.20
kblockd/0								
16 root	20	0	0	0	0 S	0.0	0.0	0:00.00
kacpid								
17 root	20	0	0	0	0 S	0.0	0.0	0:00.00
kacpi_notify								
18 root	20	0	0	0	0 S	0.0	0.0	0:00.00
kacpi_hotplug								
19 root	20	0	0	0	0 S	0.0	0.0	0:00.00
ata/0								
20 root	20	0	0	0	0 S	0.0	0.0	0:00.00
ata_aux								
21 root	20	0	0	0	0 S	0.0	0.0	0:00.00
khubd								
22 root	20	0	0	0	0 S	0.0	0.0	0:00.00
kseriod								
24 root	15	-5	0	0	0 S	0.0	0.0	0:00.00
kslowd000								
25 root	15	-5	0	0	0 S	0.0	0.0	0:00.00
kslowd001								
26 root	20	0	0	0	0 S	0.0	0.0	0:00.01
khungtaskd								
27 root	20	0	0	0	0 S	0.0	0.0	0:00.00
kswapd0								
28 root	25	5	0	0	0 S	0.0	0.0	0:00.00
ksmd								
29 root	20	0	0	0	0 S	0.0	0.0	0:00.00
aio/0								
30 root	20	0	0	0	0 S	0.0	0.0	0:00.00
crypto/0								
34 root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehpd_0000:00								
35 root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehpd_0000:00								
36 root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehpd_0000:00								
37 root	20	0	0	0	0 S	0.0	0.0	0:00.00
pciehpd_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		
pciehp_d_0000:37										
52 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
53 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
54 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
55 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
56 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
57 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
58 root	20	0	0	0	0 S	0.0	0.0	0:00.00		
pciehp_d_0000:37										
59 root	20	0	0	0	0 S	0.0	0.0	0:00.00		

pciehp_d_0000:37

60 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

61 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

62 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

63 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

64 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

65 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

66 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

67 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_0000:48

68 root 20 0 0 0 0 S 0.0 0.0 0:00.00

pciehp_d_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

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	0:00.00	agetty
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

agetty

1715 root udevd	18	-2	4572	1064	400	S	0.0	0.1	0:00.00	
1716 root udevd	18	-2	4572	976	312	S	0.0	0.1	0:00.00	
1724 root 8	20	0	0	0	0	S	0.0	0.0	0:00.00	jbd2/vdb1-
1725 root unwrit	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-
1727 root pm	20	0	144m	11m	3860	S	0.0	1.2	0:04.96	
1732 root bios_fpd	20	0	201m	7916	4004	S	0.0	0.8	0:00.65	
1733 root calv_alarm_mgr	20	0	110m	4776	2792	S	0.0	0.5	0:00.14	
1734 root ccc_driver	20	0	424m	19m	5652	S	0.0	1.9	8:20.74	
1735 root cm	20	0	172m	16m	3188	S	0.0	1.7	0:04.05	
1736 root debug_client	20	0	83668	2916	1864	S	0.0	0.3	0:00.67	
1737 root ds	20	0	120m	9472	2200	S	0.0	0.9	0:00.71	
1738 root dumper	20	0	106m	3068	1920	S	0.0	0.3	0:00.64	
1739 root envmon	20	0	266m	11m	5088	S	0.0	1.2	0:06.72	
1740 root esd	20	0	429m	16m	6060	S	0.0	1.7	0:28.45	
1741 root inst_agent	20	0	197m	8192	4900	S	0.0	0.8	0:02.28	
1742 root led_mgr	20	0	165m	7552	3932	S	0.0	0.7	0:01.25	
1743 root ntp_helper	20	0	90160	3340	2136	S	0.0	0.3	0:01.99	
1744 root obfl_mgr	20	0	175m	7472	4152	S	0.0	0.7	0:02.82	
1745 root obfl_show	20	0	112m	3608	2332	S	0.0	0.4	0:01.69	
1746 root sdr_mgr	20	0	238m	28m	4140	S	0.0	2.9	0:00.79	
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](#)