

# Mudanças do comando CLI da plataforma independente NC 6008

## Introdução

Este documento descreve o sistema da convergência da rede Cisco (NC) 6000 comandos CLI da plataforma independente na liberação 5.0.1 do <sup>®</sup> XR do Cisco IOS que mudaram comparado ao Roteadores do Sistema de roteamento Cisco Carrier (CR) que executa outras liberações do Cisco IOS XR.

Este documento é pretendido para qualquer um que é familiar com o Cisco IOS XR e quer compreender que mudanças CLI foram feitas com os NC 6008 e liberação 5.0.1.

**Note:** Este documento não endereça os comandos do dependente da plataforma (paládio) que mudaram nem foi criado especificamente para a plataforma NC 6008.

## Pré-requisitos

### Requisitos

Cisco recomenda que você tem um conhecimento de nível elevado destes assuntos:

- Comandos CLI do Cisco IOS XR
- Arquitetura NC 6008

### Componentes Utilizados

Este documento é restringido à liberação 5.0.1 do Cisco IOS XR que é executado nos NC 6008.

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a sua rede estiver ativa, certifique-se de que entende o impacto potencial de qualquer comando.

## Como usar este documento

Os comandos independentes NC 6008 Platform alistados neste documento mudaram para os NC 6008 e a liberação 5.0.1 do Cisco IOS XR. Cada comando é alistado em ordem alfabética. Um sumário das mudanças assim como os detalhes adicionais em relação às diferenças específicas são fornecidos. Cada comando é ligado ao guia de referência do comando apropriado quando disponível.

O exemplo CLI output e as comparações com saídas CR CLI são incluídas para muitos dos comandos.

Um significado do menor ou do major foi designado para cada comando a fim ajudar o leitor a identificar alterações significativas daqueles que são sintaxe, opção, ou mudanças menores da saída somente.

## anexe

Refira a seção do [anexo da referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x](#) para mais informação.

**Resumo:** A opção está disponível do modo exec.

**Detalhes:** A fim conectar a um host de uma posição remota, use o **comando location do anexo no System Admin EXEC** e em modos exec XR. Esta operação difere levemente do **comando attach da corrida na** plataforma CR devido à separação do System Admin (SysAdmin) e das máquinas virtuais XR (VM) na liberação 5.0.1 do Cisco IOS XR. Para cada placa de linha e route processor (RP), existe um shell do host para o System Admin VM e XR VM.

**Significado:** Menor

**É aqui como você anexa a uma placa de linha ou a um RP de 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
```

**É aqui como você anexa a uma placa de linha ou a um RP do 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#
```

## cancele o contexto

Refira a seção [clara do contexto da](#) referência de comandos do gerenciamento de sistema para o **6000 Series Router de Cisco NC, libere 5.0.x** para mais informação.

**Resumo:** Há umas mudanças menores do comportamento.

**Detalhes:** Tem as mesmas opções CLI.

**Significado:** Menor

## cópia

Refira a seção da [cópia da](#) referência de comandos do gerenciamento de sistema para o **6000 Series Router de Cisco NC, libere 5.0.x** para mais informação.

**Resumo:** Algumas opções não estão disponíveis. É difícil copiar entre SysAdmin VM e XR VM.

**Detalhes:** O FTP é apoiado para transferência de arquivo sob a cópia CLI XR VM.

O SysAdmin VM e os sistemas de arquivos XR VM são separados. O SysAdmin e o XR VM têm o **disco duro:** e **disco 0:** diretórios. Quando você copia ou instala adicionar pacotes do **disco 0:** ou **disco duro:** , os pacotes que são instalados do XR VM (iso, pacotes opcionais, XR SMUs) devem ser copiados ao sistema de arquivos XR VM. SysAdmin VM SMUs está copiado ao sistema de arquivos Admin VM antes que executem a instalação adicionarem a operação.

**Significado:** Principal

```
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
```

## descreva

**Resumo:** Há umas mudanças menores da saída. O comando está disponível em XR VM e em SysAdmin VM.

A saída do comando indica que há algumas mudanças ao TaskIDs necessário a fim executar comandos XR no CR contra no NCS-6008.

**Detalhes:** Quando **descreva** está usado no SysAdmin VM, ele trabalha para alguns comandos mas não para outro. A versão de SysAdmin VM desta saída do comando indica o comando do operating system (OS) de Linux chamado a fim executar o comando em SysAdmin VM. Desde que TaskIDs não é usado a fim executar comandos de SysAdmin VM, a saída da descrição não inclui essa informação quando usada em SysAdmin VM.

### Significado: Menor

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-mbi-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-MS-C, 140G-MS-C, 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

Refira a seção do [dumpcore da referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x](#) para mais informação.

**Resumo:** Há umas alterações secundárias às opções e ao comportamento CLI.

**Detalhes:** O corehelper do processo é usado em vez do descarregador. Quando o corredor do dumpcore é executado em NC, há uma saída reduzida nos Syslog desde que o crashinfo não é escrito ao Syslog pelo descarregador.

### Significado: Menor

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

running Perform a core dump for a running process

suspended Suspend the process while generating core and resume afterwards

RP/0/RP0/CPU0:NCS6008-A#**dumpcore running admin-cli-proxy-xr\_static**

Sat Jan 31 23:54:27.345 UTC

Dump core Succeeded

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

RP/0/RP0/CPU0:Jan 31 23:54:27.600 : corehelper[139]: Copied core

admin-cli-proxy-xr\_static.14548.by.user.19700131-235427.xr-vm\_node0\_RP0\_CPU0.9e781.core.gz to 0/RP0/CPU0:/misc/disk1

RP/0/RP0/CPU0:Jan 31 23:54:27.601 : corehelper[139]: Deleted core file

admin-cli-proxy-xr\_static.14548.by.user.19700131-235427.xr-vm\_node0\_RP0\_CPU0.9e781.core.gz.

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

Fri Nov 15 17:56:33.834 UTC

RP/0/RP0/CPU0:Nov 15 17:56:33.852 : dumper[61]: %OS-DUMPER-7-DUMP\_REQUEST :

Dump request for process pkg/bin/bgp

RP/0/RP0/CPU0:Nov 15 17:56:33.853 : dumper[61]: %OS-DUMPER-7-DUMP\_ATTRIBUTE :

Dump request with attribute 7 for process pkg/bin/bgp

RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-4-CORE\_INFO :

Core for pid = 549148 (pkg/bin/bgp) requested by pkg/bin/dumper\_gen@node0\_RP0\_CPU0

RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-7-PROC\_PAGES :

Process memory pages 581

RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-6-FALLBACK\_CHOICE :

Fall back choice: 0(harddisk:/dumper) in use

RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS\_INFO :

EDI ESI EBP(fp) EXX

```

RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R0  1031b8bc  041ff980  041ff95c  e899ab58
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      EBX      EDX      ECX      EAX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R4  1031b99c  082657da  041ff8dc  0000000e
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      EIP(pc)      CS      EFL      ESP
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R8  082657da  000000f3  80001202  041ff8dc
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
      SS
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R12 000000fb
RP/0/RP0/CPU0:Nov 15 17:56:33.857 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#0 0x82657da
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#1 0x81ef5d3
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#2 0x81f1605
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#3 0x81f287b
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#4 0xb439fb4
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#5 0x424d770
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#6 0x4202080
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-INSTALL_PKG_SHOW_FAILED :
active installed packages show failed: Information not available
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO_HEAD :
DLL path      Text addr.  Text size  Data addr.  Data size  Version
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libplatform.dll 0x08178000 0x0000a000 0x08182000
0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libsystemgr.dll 0x08186000 0x00018000 0x0819e000 0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcerrno.dll 0x0819f000 0x00003000 0x081a2000
0x00001000      0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libbios.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 0x000062000 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 :



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/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/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
RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4.dll 0x0a406000 0x00008000
0x0a40e000 0x00001000 0
RP0/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
RP0/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
RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libipv4_rib.dll 0x0a9cf000 0x00014000
0x0a9e3000 0x00001000 0
RP0/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
RP0/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
RP0/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
RP0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-6-FALLBACK_CHOICE :
Fall back choice: 4(dumper_harddisk:/dumper) in use
RP0/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
RP0/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
RP0/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
```

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL\_INFO :  
/disk0/iosxr-fwding-4.1.2/0x100008/lib/liblbsd.dll 0x0ae04000 0x0000c000  
0x0ae10000 0x00001000 0

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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

RP0/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\_vl\_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
```

## sig

Refira a seção do [seguimento da referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x](#) para mais informação.

**Resumo:** A mudança das opções junto com a saída.

**Significado:** Menor

## instalação

Refira a seção da [instalação da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** Há umas mudanças das opções junto com a saída. Disponível em XR VM e em modo de SysAdmin VM.

**Detalhes:** Libere 5.0.1 apoia somente um único procedimento da instalação da upgrade do sistema para o roteador do XR VM. Um separado instala de uma liberação para o SysAdmin VM e XR VM não é apoiado na liberação 5.0.1, à exceção da atualização da manutenção de software (SMU) instala. SMUs para cada VM (SysAdmin ou XR) deve ser instalado do VM correto. Os pacotes opcionais devem ser instalados do XR VM.

**A instalação prepara** o comando option é adicionada a fim reduzir o tempo ocioso da máquina da elevação/manutenção. **A instalação prepara o** comando não é exigida.

A opção do **aborto da instalação** foi suplicada. Não há nenhum plano para apoiá-la no futuro.

**Instale o rollback** foi removido na liberação 5.0.1. Uma reserva/rollback a uma liberação é tratada enquanto qualquer outro instala o processo.

**Install compromete** não é exigida e é implícita na liberação 5.0.1. **O comando commit da instalação** está disponível na liberação 5.0.1 mas não é precisado desde que comprometer é automático.

Na liberação 5.2.1, a **instalação compromete** parará de ser implícita e exigirá um explícito **instala compromete**.

Em uma liberação futura, a capacidade **para instalar o rollback** será introduzida junto com a mudança ao **comando commit da instalação**.

## Significado: Principal

```
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
```

## monitore processos

Refira a seção dos [processos do monitor da](#) referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x para mais informação.

**Resumo:** Há umas mudanças menores da opção e da saída.

**Detalhes:** A opção do lugar não está disponível.

## Significado: Menor

```
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

Refira a [seção de configuração da mostra da](#) referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x para mais informação.

**Resumo:** A saída do comando show configuration é diferente do XR clássico.

**Detalhes:** As palavras-chaves disponíveis mudaram para o SysAdmin VM. As palavras-chaves para o XR VM permanecem as mesmas que com XR clássico.

## Significado: Menor

### XR VM - Mesmos que IOS-XR tradicional

```
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 - (comprometa somente a palavra-chave mostrada como uma opção):

```
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
```

## mostre o contexto

Refira a seção do [contexto da mostra da referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC](#), libere 5.0.x para mais informação.

**Resumo:** Não há nenhuma alteração significativa às opções CLI. Mudanças menores da saída CLI.

**Detalhes:** O diretório onde o arquivo principal salvar não é indicado sempre (disco duro: à revelia). Os arquivos crashinfo (informações de travamento) não são redigidos ao mesmo diretório que os arquivos principais à revelia e salvar ao diretório `disk0:/core`. O comando `show context` e o arquivo `crashinfo` (informações de travamento) associado (.txt) incluem a informação do backtrace e do registro para cada linha do processo causando um crash nos NC 6008

## Significado: Menor

```
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: 0xfffffffffffffc  
rbx: 0x18  
rcx: 0xfffffffffffff  
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: 0xffffffffffffe0  
rbx: 0x7fe0ab5b0bf0  
rcx: 0xfffffffffffff  
rdx: 0x7fe0ab5b0bac  
rsi: 0x7fe0ab5b0bf0  
rdi: 0xa  
rbp: 0x7fe0ab5b0c80  
rsp: 0x7fe0ab5b0b90  
r8: 0x6e  
r9: 0x101010101010101

r10: 0x22  
r11: 0x293  
r12: 0xa  
r13: 0x7fe0ab5b0bac  
r14: 0x7fe0ab673040  
r15: 0x3  
rip: 0x7fe0a588cc4d  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

#### Backtrace for Thread 2366

#0 0x00007fe0a588cc4d in accept+0x2d from /lib64/libc-2.12.so  
#1 0x00007fe0aa3537dd in lwm\_debug\_wait\_for\_conns+0xbe from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#2 0x00007fe0aa353a2a in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#3 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#4 0x0000000000000003 in ?? ()

#### Registers for Thread 2367

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

#### Backtrace for Thread 2367

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

#### Registers for Thread 2369

```
rax: 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 levmm_block+0x2a from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
#4 0x00007fe0aa36d216 in event_block+0x500 from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#5 0x00007fe0aa34dae5 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#6 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
```

Registers for Thread 2372

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

Registers for Thread 2370

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

Backtrace for Thread 2370

```
#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1 0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1
#2 0x00007fe0a276d076 in event_base_loop+0x1c6 from
/usr/lib64/libevent-2.0.so.5.0.1
#3 0x00007fe0a29a2a52 in levmm_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: 0xffffffffffffffff  
rbx: 0xbb6290  
rcx: 0xffffffffffffffff  
rdx: 0x20  
rsi: 0xbb6560  
rdi: 0x1f  
rbp: 0xbb6520  
rsp: 0x7fe08efa0b40  
r8: 0x1  
r9: 0x9f0  
r10: 0xffffffff  
r11: 0x293  
r12: 0xbb6560  
r13: 0xd  
r14: 0x0  
r15: 0xbb6520  
rip: 0x7fe0a588c683  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2544

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

Registers for Thread 2545

rax: 0x0  
rbx: 0x7fe086ba82b0  
rcx: 0xffffffffffffffff  
rdx: 0x626380  
rsi: 0x0  
rdi: 0x7fe08ed1ca00  
rbp: 0x7fe08ed1eee0  
rsp: 0x7fe08ed1c980  
r8: 0x20305550432f30

r9: 0x6320612064657473  
r10: 0x20666f2068736172  
r11: 0x293  
r12: 0x7fe08ed1cbc0  
r13: 0x7fe08ed1ca20  
r14: 0x1  
r15: 0x0  
rip: 0x7fe0a584feed  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0  
gs: 0x0

Backtrace for Thread 2545

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

Registers for Thread 2546

rax: 0xfffffffffffffffffc  
rbx: 0x7fe08ec9de20  
rcx: 0xffffffffffffffffff  
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: 0xfffffffffffffffffc  
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: 0xfffffffffffffc
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: 0xffffffffffffffff  
rbx: 0x7fe08e74ce20  
rcx: 0xffffffffffffffff  
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: 0xffffffffffffffff  
rbx: 0x8  
rcx: 0xffffffffffffffff  
rdx: 0x20  
rsi: 0x7fe08e1b7d30  
rdi: 0x4d  
rbp: 0x7fe08e1b7ee0  
rsp: 0x7fe08e1b7a70  
r8: 0x0  
r9: 0x0  
r10: 0xffffffff  
r11: 0x293  
r12: 0x1  
r13: 0x7fe08e1b7d48  
r14: 0x4d  
r15: 0x51  
rip: 0x7fe0a588c683  
eflags: 0x293  
cs: 0x33  
ss: 0x2b  
ds: 0x0  
es: 0x0  
fs: 0x0

gs: 0x0

Backtrace for Thread 3289

#0 0x00007fe0a588c683 in epoll\_wait+0x33 from /lib64/libc-2.12.so  
#1 0x00007fe0aa32f8a6 in ?? () from  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libinfra.so  
#2 0x00007fe0a55929bc in start\_thread+0xdc from /lib64/libpthread-2.12.so  
#3 0x00500001fccc920a in ?? ()

Mapping information

2117: syslogd  
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/1_syslogd/dbg_b1_o846
00007fe08eb9d000	4K	-----	[ anon ]
00007fe08eb9e000	512K	rw---	[ anon ]
00007fe08ec1e000	4K	-----	[ anon ]
00007fe08ec1f000	512K	rw---	[ anon ]
00007fe08ec9f000	4K	-----	[ anon ]
00007fe08eca0000	512K	rw---	[ anon ]
00007fe08eefe000	56K	rw-s-	/dev/shmem/ltrace/syslog/slow_b1_o846
00007fe08ef0c000	80K	rw-s-	/dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b3_o846
00007fe08ef20000	4K	rw-s-	/dev/shm/logging_buffer
00007fe08ef21000	4K	-----	[ anon ]
00007fe08ef22000	512K	rw---	[ anon ]
00007fe08efa2000	4K	-----	[ anon ]
00007fe08efa3000	512K	rw---	[ anon ]
00007fe08f023000	2904K	rw-s-	/dev/shm/tmp/syslogd_msg_header_buffer
00007fe08f2f9000	8K	rw-s-	/dev/shmem/ltrace/syslog/lib/read_error
00007fe08f2fb000	4K	rw-s-	/dev/shm/dev/shmem/ship_data_0
00007fe08f2fc000	32K	rw-s-	/dev/shmem/ltrace/aqsmllib/190/api_b1_o846
00007fe08f304000	8K	rw-s-	/dev/shmem/ltrace/syslog/fast
00007fe08f306000	16K	rw-s-	/dev/shmem/ltrace/syslog/slow
00007fe08f30a000	16K	rw-s-	/dev/shmem/ltrace/syslog/error
00007fe08f30e000	224K	rw-s-	/dev/shm/dev/shmem/ship_data_0
00007fe08f346000	132K	rw-s-	/dev/shm/dev/shmem/ship_data_0

00007fe08f367000 32K rw-s- /dev/shmem/ltrace/cdm/190/api\_b1\_o846  
00007fe08f36f000 8K rw-s- /dev/shmem/ltrace/pfi\_ifh/fallback  
00007fe08f371000 12K rw-s- /dev/shmem/ltrace/alm\_loc\_fast  
00007fe08f374000 24K rw-s- /dev/shmem/ltrace/alm\_loc\_slow  
00007fe08f37a000 112K r-x--  
/opt/cisco/XR/packages/iosxr-infra.rp\_lc-5.0.1/lib/libreplicator.so  
00007fe08f396000 2044K -----  
/opt/cisco/XR/packages/iosxr-infra.rp\_lc-5.0.1/lib/libreplicator.so  
00007fe08f595000 8K rw---  
/opt/cisco/XR/packages/iosxr-infra.rp\_lc-5.0.1/lib/libreplicator.so  
00007fe08f597000 488K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libchkpt.so  
00007fe08f611000 2044K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libchkpt.so  
00007fe08f810000 16K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libchkpt.so  
00007fe08f814000 4K r-x--  
/opt/cisco/XR/packages/ncs-base.rp\_lc-5.0.1/lib/libplatform\_cardinfo.so  
00007fe08f815000 2044K -----  
/opt/cisco/XR/packages/ncs-base.rp\_lc-5.0.1/lib/libplatform\_cardinfo.so  
00007fe08fa14000 4K rw---  
/opt/cisco/XR/packages/ncs-base.rp\_lc-5.0.1/lib/libplatform\_cardinfo.so  
00007fe08fa15000 16K r-x--  
/opt/cisco/XR/packages/iosxr-fwding.rp\_lc-5.0.1/lib/libacl.so  
00007fe08fa19000 2044K -----  
/opt/cisco/XR/packages/iosxr-fwding.rp\_lc-5.0.1/lib/libacl.so  
00007fe08fc18000 4K rw---  
/opt/cisco/XR/packages/iosxr-fwding.rp\_lc-5.0.1/lib/libacl.so  
00007fe08fc19000 4K r-x--  
/opt/cisco/XR/packages/iosxr-fwding.rp\_lc-5.0.1/lib/libacl\_ltracedebug.so  
00007fe08fcla000 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--
```



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/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095cc7000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095ec6000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095ec7000     72K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe095ed9000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe0960d9000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe0960da000      8K rw--- [ anon ]
00007fe0960dc000     20K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0960e1000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0962e0000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0962e1000    320K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096331000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096530000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096533000    160K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09655b000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09675b000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09675c000      4K rw--- [ anon ]
00007fe09675d000    216K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096793000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096993000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096994000      4K rw--- [ anon ]
00007fe096995000    100K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe0969ae000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe096bae000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe096baf000      4K rw--- [ anon ]
00007fe096bb0000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmltv.so
00007fe096bb3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmltv.so
00007fe096db2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmltv.so
00007fe096db3000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096dba000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fb9000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fba000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe096fcf000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971ce000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
```

```
00007fe0971d1000      4K rw---    [ anon ]
00007fe0971d2000     32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0971da000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973d9000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973db000      8K rw---    [ anon ]
00007fe0973dd000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0973de000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0975de000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0975df000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0975e3000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0977e3000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0977e4000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0977e5000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0979e4000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0979e5000     36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe0979ee000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe097bee000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe097bef000     12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097bf2000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097df1000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097df2000      8K r-x--
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097df4000    2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097ff4000      4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097ff5000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe097ff6000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe0981f5000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe0981f6000      8K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0981f8000    2048K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0983f8000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0983f9000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0983fa000    2048K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0985fa000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0985fb000     36K r-x--
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098604000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098804000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098805000    104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe09881f000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe098a1e000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe098a1f000      4K rw--- [ anon ]
00007fe098a20000     60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098a2f000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098c2e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098c2f000     32K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098c37000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098e36000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098e37000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe098e38000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe099037000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe099038000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe09903f000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe09923f000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe099240000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099241000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099440000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099441000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099443000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099643000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099644000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099645000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099844000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099845000    104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe09985f000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a5f000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a61000    520K r-x-- /lib64/libm-2.12.so
00007fe099ae3000    2044K ----- /lib64/libm-2.12.so
00007fe0999ce2000      8K rw--- /lib64/libm-2.12.so
```

```
00007fe099ce4000      12K r-x--&nbsp;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
00007fe09ddd000         4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09ddde000         4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09ddd000    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  
00007fe0a1d0f000 4K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcapi\_cipc\_proto.so  
00007fe0a1d10000 8K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcapi\_impl.so  
00007fe0a1d12000 2044K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcapi\_impl.so  
00007fe0a1f11000 4K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcapi\_impl.so  
00007fe0a1f12000 124K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcdr\_nm\_proto.so.0.0.1  
00007fe0a1f31000 2044K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcdr\_nm\_proto.so.0.0.1  
00007fe0a2130000 4K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcdr\_nm\_proto.so.0.0.1  
00007fe0a2131000 112K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcdr\_nm\_capi.so.0.0.1  
00007fe0a214d000 2048K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcdr\_nm\_capi.so.0.0.1  
00007fe0a234d000 4K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcdr\_nm\_capi.so.0.0.1  
00007fe0a234e000 44K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libctrace.so  
00007fe0a2359000 2048K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libctrace.so  
00007fe0a2559000 4K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libctrace.so  
00007fe0a255a000 8K r-x--  
/usr/lib64/libevent\_pthreads-2.0.so.5.0.1  
00007fe0a255c000 2044K -----  
/usr/lib64/libevent\_pthreads-2.0.so.5.0.1  
00007fe0a275b000 4K rw---  
/usr/lib64/libevent\_pthreads-2.0.so.5.0.1  
00007fe0a275c000 256K r-x--  
/usr/lib64/libevent-2.0.so.5.0.1  
00007fe0a279c000 2048K -----  
/usr/lib64/libevent-2.0.so.5.0.1  
00007fe0a299c000 8K rw---  
/usr/lib64/libevent-2.0.so.5.0.1  
00007fe0a299e000 68K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcalvados\_infra.so  
00007fe0a29af000 2044K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcalvados\_infra.so  
00007fe0a2bae000 4K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libcalvados\_infra.so  
00007fe0a2baf000 316K r-x--  
/opt/cisco/XR/packages/iosxr-infra.rp\_lc-5.0.1/lib/libaipc.so  
00007fe0a2bfe000 2048K -----  
/opt/cisco/XR/packages/iosxr-infra.rp\_lc-5.0.1/lib/libaipc.so  
00007fe0a2dfe000 8K rw---  
/opt/cisco/XR/packages/iosxr-infra.rp\_lc-5.0.1/lib/libaipc.so  
00007fe0a2e00000 16K rw--- [ anon ]  
00007fe0a2e04000 40K r-x--  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libship.so  
00007fe0a2e0e000 2044K -----  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libship.so  
00007fe0a300d000 8K rw---  
/opt/cisco/XR/packages/iosxr-os.rp\_lc-5.0.1/lib/libship.so

```
00007fe0a300f000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3011000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3210000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3211000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3212000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3411000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3412000     56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3420000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3620000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3621000    272K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3665000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3865000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3867000    32K rw--- [ anon ]
00007fe0a386f000    44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a387a000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a3a7a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a3a7b000     12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3a7e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3c7d000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3c7e000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3c7f000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3e7e000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3e7f000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a3e81000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a4081000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a4082000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4097000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4297000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4298000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4299000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4498000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4499000     76K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
```

```

00007fe0a44ac000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a46ab000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a46ad000       100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a46c6000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a48c5000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a48c7000         8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a48c9000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a4ac8000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a4ac9000       16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4acd000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4ccc000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4ccd000       76K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4ce0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4edf000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4ee0000       408K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a4f46000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5146000         4K r----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5147000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5149000       220K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5180000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a537f000         4K r----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5380000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5381000       36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a538a000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a558a000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a558b000       96K r-x-- /lib64/libpthread-2.12.so
00007fe0a55a3000    2044K ----- /lib64/libpthread-2.12.so
00007fe0a57a2000         4K r---- /lib64/libpthread-2.12.so
00007fe0a57a3000         4K rw--- /lib64/libpthread-2.12.so
00007fe0a57a4000       16K rw--- [ anon ]
00007fe0a57a8000    1444K r-x-- /lib64/libc-2.12.so
00007fe0a5911000    2048K ----- /lib64/libc-2.12.so
00007fe0a5b11000       12K r---- /lib64/libc-2.12.so
00007fe0a5b14000         8K rw--- /lib64/libc-2.12.so
00007fe0a5b16000       20K rw--- [ anon ]
00007fe0a5b1b000       52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5b28000    2044K -----

```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5d27000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5d28000     20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5d2d000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5f2c000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5f2d000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a5f42000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a6141000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a6142000     48K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a614e000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a634e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a634f000     64K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a635f000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a655f000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a6560000      8K r-x--  /lib64/libdl-2.12.so
00007fe0a6562000   2048K -----  /lib64/libdl-2.12.so
00007fe0a6762000      8K rw---  /lib64/libdl-2.12.so
00007fe0a6764000     32K r-x--  /lib64/librt-2.12.so
00007fe0a676c000   2044K -----  /lib64/librt-2.12.so
00007fe0a696b000      8K rw---  /lib64/librt-2.12.so
00007fe0a696d000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6973000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6b72000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6b73000     12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6b76000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6d75000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6d76000      4K rw---  [ anon ]
00007fe0a6d77000     20K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6d7c000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6f7b000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6f7c000     40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a6f86000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a7186000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a7187000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7189000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7388000      4K rw---
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7389000      12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a738c000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a758b000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a758c000       44K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrdlib.so
00007fe0a7597000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrdlib.so
00007fe0a7796000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrdlib.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 ]
ffffffffffff600000      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
```

## mostre o DLL

Refira a seção [DLL da mostra da](#) referência de comandos do gerenciamento de sistema para o **6000 Series Router de Cisco NC, libere 5.0.x** para mais informação.

**Resumo:** Há umas mudanças das opções e umas mudanças da saída.

**Detalhes:** Somente a palavra-chave **pid** suportada. A palavra-chave do lugar é removida.

**Significado:** Menor

```
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>
```

## mostre a tela do controlador

Refira a seção da [tela do controlador da mostra da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** As palavras-chaves do comando **show** são mudadas.

**Detalhes:** O apoio para o pacote, a **Conectividade**, e as palavras-chaves **sumárias** é removido. O apoio para as palavras-chaves do **fsdb-agregador** e do **fsdb-server** é adicionado. A maioria da saída é muito similar.

Todos os comandos **show** à exceção da palavra-chave do **traço** estão no SysAdmin VM.

**Significado:** Menor

```
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

Refira a seção do [ambiente da mostra da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** Há umas mudanças output e umas mudanças do palavra-chave de comando.

**Detalhes:** O apoio para as palavras-chaves **diodo emissor de luz** e de **tabela** é removido. O apoio a palavra-chave **atual** é adicionado fot. A saída é cosmetically diferente. A saída inclui pela informação da fatia.

**Significado:** Menor

```
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>
```

## mostre o sistema de arquivos

Refira a seção do [sistema de arquivos da mostra da referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x](#) para mais informação.

**Resumo:** Há umas mudanças das opções junto com a saída CLI.

**Detalhes: O disco 0 do sistema de arquivos da mostra:** o comando não trabalha mais por muito tempo. O comando não está disponível do SysAdmin VM. O comando indica a mesma informação do modo admin e o executivo no CR mas não nos NC 6008.

## Significado: Menor

```
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_diskl:
11492376576	10348458496	flash-disk	rw	disk0:
11492376576	9500605440	flash-disk	rw	diskl:
16568549376	15307819008	harddisk	rw	harddisk:

```

16392388608 16388352512   harddisk   rw   harddiska:
1312817152  1056006144   flash-disk rw   disk0a:
1125122048  1124809216   flash-disk rw   diskla:
    1043456      998400       nvram     rw   nvram:
3051651072  3049283584   nvram     rw   nvmem:
1017208832  1016152064   nvram     rw   nvmem2:

```

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

Mon Nov 25 16:14:24.159 UTC

File Systems:

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

## a mostra instala

Refira a [mostra instalam a](#) seção da referência de comandos da administração do sistema para

os 6000 Series Router de Cisco NC para mais informação.

**Resumo:** Há umas mudanças da opção de palavra-chave junto com as mudanças da saída.

**Detalhes:** O apoio para a **preparação** e as palavras-chaves do **repositório** é adicionado. O apoio para a palavra-chave **sumária** é removido.

**Significado:** Principal

```
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
```

## mostre o inventário

Refira a seção do [inventário da mostra da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** Há umas mudanças output junto com mudanças da palavra-chave.

**Detalhes:** O apoio para a palavra-chave do **traço** é removido. A maioria outros indicadores e de functionality são os mesmos.

O comando do **inventário da mostra** pode ser executado do XR VM ou o SysAdmin VM e mostra saídas similares em ambos os VM. A saída do **inventário da mostra no XR VM** indica os PID e os números de série para sistemas óticos instalada nas placas de linha, quando esta informação não for incluída quando sida executado do SysAdmin VM.

**Significado:** Principal

```
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>
```

## mostre media

Refira a seção dos [media da mostra da referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x](#) para mais informação.

**Resumo:** Há umas mudanças da saída CLI.

**Detalhes: Disk0:** não é usado como o disco de inicialização nos NC 6000. **Os rootfs:** a separação é a separação de bota para o XR e SysAdmin VM. A separação de bota é 3.9G para o XR VM e 2.9G para o SysAdmin VM. **Os rootfs:** a separação para cada VM é cinzelada de uma movimentação de circuito integrado da movimentação 32GB (SSD) no processador de rotas. **O disco duro:** a separação para cada VM é cinzelada de uma movimentação SSD 200GB no processador de rotas.

**Significado:** Principal

```
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

Refira a seção da [memória da mostra da](#) referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x para mais informação.

**Resumo:** Há umas mudanças das opções junto com a saída CLI.

**Detalhes:** A arquitetura de memória é mudada significativamente com NC 6008. Em consequência, há muitas mudanças à saída CLI do comando **show memory**. As mudanças da opção do comando CLI são menores.

**Significado:** Menor

```
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

Refira a seção dos [processos da mostra da](#) referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco NC, libere 5.0.x para mais informação.

**Resumo:** Há umas alterações secundárias nas opções apoiadas e igualmente na saída para algumas das opções.

**Detalhes:** A palavra-chave do pidin da mostra é apoiada já não.

**Significado:** Menor

```
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.

```

## mostre a plataforma

Refira a seção da [plataforma da mostra da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** Há umas opções de palavra-chave e umas mudanças adicionais da saída.

**Detalhes:** O comando **show platform** pode ser executado do XR ou do SysAdmin VM.

**XR VM:** O apoio para a palavra-chave **vm** foi adicionado.

Nos NC 6000, o comando indica a tela, o fã, e a informação do módulo de potência do XR VM, quando não fizer no XR clássico. A fim obter a informação sobre aqueles tipos de componentes

no XR clássico, o comando deve ser executado do modo admin.

**SysAdmin VM:** A palavra-chave do **detalhe** foi adicionada a fim fornecer a informação adicional sobre a informação do estado e da bota para um nó no sistema. Apoie para as **fatias** que a palavra-chave é adicionada.

### Significado: Principal

```
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>
```

## mostre a repartição

**Resumo:** Devido à separação do XR VM e SysAdmin VM, o **comando reboot da mostra** mudou em NG-XR.

**Detalhes:** Sob o XR VM, você pode ver a história da repartição do XR VM para cada placa de linha ativa/RP.

Sob o SysAdmin VM, a história da repartição do SysAdmin VM para cada placa de linha ativa/RP pode ser vista, junto com a história da repartição para a placa de linha/RP próprio (aviso que o SysAdmin VM pode ser recarregado sem um reload da placa real).

**Significado:** Menor

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>
```

## mostre o sdr-invmgr

**Resumo:** Este é um comando recentemente adicionado em XR + Sysadmin VM.

**Detalhes:** Isto tem o comportamento operacional novo.

**Significado:** Principal

## show tech-support

**Resumo:** Há umas mudanças output com mudanças das opções do palavra-chave de comando

**Detalhes:** O apoio para estas palavras-chaves do tecnologia-**apoio da mostra** é removido nos NC 6000:

- aipcproxy
- atm
- call-home
- chdlc
- configuração-grupo
- controladores
- cripto
- Fabio
- frame-relay
- ipinfra
- LRD
- onep
- plataforma
- RIB
- svd
- sysmgr
- túnel-IP

O apoio para estas palavras-chaves do tecnologia-**apoio da mostra** do modo admin é removido nos NC 6000:

- asic
- pacotes
- cfgmgr
- controle-Ethernet
- diagnósticos
- dsc
- ees
- exame médico completo
- invmgr
- issu
- licença
- LRD
- nrs
- pcie
- shelfmgr
- sysdb
- sysmgr

O apoio para estas palavras-chaves do tecnologia-**apoio da mostra** está disponível em NC 6008, mas não nos CR:

- **tela** - Em XR VM em NC 6008
- **instale** - Em XR VM em NC 6008
- **lwm** - Em XR VM em NC 6008
- **npu** - Em XR VM em NC 6008

- **processmgr** - Em XR VM em NC 6008
- **rdm** - Em XR VM em NC 6008
- **sdr-invmgr** - Em XR VM em NC 6008

O apoio para estas palavras-chaves do tecnologia-apoio da mostra de SysAdmin VM está disponível nos NC 6000, mas não nos CR:

- **alarm\_mgr**
- **tudo**
- **ccc**
- **confd**
- **envmon**
- **fpd**
- **obfl**
- **pm**
- **sdr\_mgr**
- **shelf\_mgr**
- **slice\_manager**
- **syslog**

**Significado: Menor**

```
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](#)

Refira a seção da [versão da mostra da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** Há umas mudanças principais da saída.

**Detalhes:** A saída é simplificada extremamente nos NC 6008, devido à estrutura diferente do OS.

**Significado:** Menor

```
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#
```

## parte superior

Refira a seção [superior da referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#) para mais informação.

**Resumo:** Há umas mudanças às opções de palavra-chave e às saídas. O comando está disponível em SysAdmin VM e XR VM.

**Detalhes:** O lugar da palavra-chave para o **dumbtty** é movido no CLI. Nos NC 6000, a parte superior puder ser especificada com o lugar da placa de linha quando em CR. Não trabalha para o lugar da placa de linha.

**Significado:** Menor

```
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 cpuset	20	0	0	0	0 S	0.0	0.0	0:00.00
8 root khelper	20	0	0	0	0 S	0.0	0.0	0:00.00
9 root netns	20	0	0	0	0 S	0.0	0.0	0:00.00
10 root async/mgr	20	0	0	0	0 S	0.0	0.0	0:00.00
11 root pm	20	0	0	0	0 S	0.0	0.0	0:00.00
12 root sync_supers	20	0	0	0	0 S	0.0	0.0	0:00.06
13 root default	20	0	0	0	0 S	0.0	0.0	0:00.08 bdi-
14 root kintegrityd/0	20	0	0	0	0 S	0.0	0.0	0:00.00
15 root kblockd/0	20	0	0	0	0 S	0.0	0.0	0:00.20
16 root kacpid	20	0	0	0	0 S	0.0	0.0	0:00.00
17 root kacpi_notify	20	0	0	0	0 S	0.0	0.0	0:00.00
18 root kacpi_hotplug	20	0	0	0	0 S	0.0	0.0	0:00.00
19 root ata/0	20	0	0	0	0 S	0.0	0.0	0:00.00
20 root ata_aux	20	0	0	0	0 S	0.0	0.0	0:00.00
21 root khubd	20	0	0	0	0 S	0.0	0.0	0:00.00
22 root kseriod	20	0	0	0	0 S	0.0	0.0	0:00.00
24 root kslowd000	15	-5	0	0	0 S	0.0	0.0	0:00.00
25 root kslowd001	15	-5	0	0	0 S	0.0	0.0	0:00.00
26 root khungtaskd	20	0	0	0	0 S	0.0	0.0	0:00.01
27 root kswapd0	20	0	0	0	0 S	0.0	0.0	0:00.00
28 root	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
pciehp_d_0000:00										
35	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
36	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
37	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
38	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
39	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
40	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
41	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
42	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
43	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
44	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
45	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
46	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
47	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
48	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
49	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
50	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
51	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
52	root	20	0	0	0	0	S	0.0	0.0	0:00.00

pciehpdp\_0000:37

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

73 root 20 0 0 0 0 S 0.0 0.0 0:00.00



```

pciehp_0000:48
 74 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:48
 75 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:48
 76 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 77 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 78 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 79 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 80 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 81 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 82 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 83 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 84 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 85 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 86 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 87 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 88 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 89 root      20  0  0  0  0 S  0.0  0.0  0:00.00
pciehp_0000:59
 90 root      20  0  0  0  0 S  0.0  0.0  0:00.03
pciehp_0000:59
 91 root      20  0  0  0  0 S  0.0  0.0  0:00.01
pciehp_0000:59
 93 root      20  0  0  0  0 S  0.0  0.0  0:00.00
uio/0
 94 root      20  0  0  0  0 S  0.0  0.0  0:00.00
kpsmoused
 95 root      20  0  0  0  0 S  0.0  0.0  0:00.00

```

## usbhid\_resumer

114	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
kstriped											
529	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_0											
530	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_1											
539	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
khvcd											
567	root	20	0	0	0	0	S	0.0	0.0	0:00.07	jbd2/vda1-
8											
568	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-
unwrit											
618	root	16	-4	4576	1100	432	S	0.0	0.1	0:00.08	
udevd											
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 sshd	20	0	23252	1140	772	S	0.0	0.1	0:00.00	
1551 root xinetd	20	0	11120	836	676	S	0.0	0.1	0:00.00	
1583 root crond	20	0	7012	1096	572	S	0.0	0.1	0:00.35	
1595 root libvirtd	20	0	148m	4268	2928	S	0.0	0.4	0:00.13	
1664 root agetty	20	0	3992	392	312	S	0.0	0.0	0:00.00	
1690 root agetty	20	0	3992	388	312	S	0.0	0.0	0:00.00	
1692 root agetty	20	0	3992	392	312	S	0.0	0.0	0:00.00	
1715 root udev	18	-2	4572	1064	400	S	0.0	0.1	0:00.00	
1716 root udev	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	20	0	429m	16m	6060	S	0.0	1.7	0:28.45	

esd

1741	root	20	0	197m	8192	4900	S	0.0	0.8	0:02.28	
inst_agent											
1742	root	20	0	165m	7552	3932	S	0.0	0.7	0:01.25	
led_mgr											
1743	root	20	0	90160	3340	2136	S	0.0	0.3	0:01.99	
ntp_helper											
1744	root	20	0	175m	7472	4152	S	0.0	0.7	0:02.82	
obfl_mgr											
1745	root	20	0	112m	3608	2332	S	0.0	0.4	0:01.69	
obfl_show											
1746	root	20	0	238m	28m	4140	S	0.0	2.9	0:00.79	
sdr_mgr											
1747	root	20	0	359m	19m	7116	S	0.0	2.0	0:12.10	
shelf_mgr											
1748	root	20	0	102m	4008	2584	S	0.0	0.4	0:00.97	
ship_server											
1749	root	20	0	338m	16m	7192	S	0.0	1.7	7:22.68	
slice_manager											
1750	root	20	0	99584	3280	2108	S	0.0	0.3	0:01.69	
ssh_key_client											
1751	root	20	0	140m	4204	2620	S	0.0	0.4	0:54.73	
syslogd_helper											
1752	root	20	0	102m	3604	2432	S	0.0	0.4	0:00.65	
timezone_notify											
1753	root	20	0	146m	7864	3864	S	0.0	0.8	0:01.68	
vm_manager											
1754	root	20	0	121m	6680	2464	S	0.0	0.7	0:06.02	
wdmon											
1782	root	20	0	37860	2528	1912	S	0.0	0.3	0:00.00	
ssh											
2012	root	20	0	28176	1488	1160	S	0.0	0.1	0:00.26	
ntpd											
4680	root	20	0	0	0	0	S	0.0	0.0	0:00.05	flush-
252:32											
7469	root	20	0	0	0	0	S	0.0	0.0	0:00.00	flush-
252:0											
7521	root	20	0	3852	392	316	S	0.0	0.0	0:00.00	
sleep											
7522	root	20	0	27884	2432	1972	S	0.0	0.2	0:00.01	
sshd											
7524	root	20	0	10820	1164	844	R	0.0	0.1	0:00.00	top

```
RP/0/RP0/CPU0:CRS-J(admin)#top dumbtty loc ?
WORD Fully qualified location specification
```

```
RP/0/RP0/CPU0:CRS-J(admin)#top dumbtty loc 0/RP0/CPU0
Wed Nov 27 15:55:14.736 UTC
Computing times...348 processes; 1904 threads;
CPU states: 97.6% idle, 2.0% user, 0.2% kernel
Memory: 12288M total, 10004M avail, page size 4K
Time: Wed Nov 27 15:55:16.911 UTC
```

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

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

```
RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/0/CPU0
Wed Nov 27 15:56:40.661 UTC
Sorry, that node can't be found
```

```
RP/0/RP0/CPU0:CRS-J(admin)#show plat
Wed Nov 27 15:56:46.461 UTC
```

Node	Type	PLIM	State	Config State
0/0/CPU0	MSC-140G	20-10GbE	IOS XR RUN	PWR,NSHUT,MON
0/1/SP	MSC(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/1/CPU0	MSC	Jacket Card	IOS XR RUN	PWR,NSHUT,MON
0/1/0	MSC(SPA)	OC192RPR-XFP	OK	PWR,NSHUT,MON
0/1/1	MSC(SPA)	8X1GE	OK	PWR,NSHUT,MON
0/1/2	MSC(SPA)	10X1GE	OK	PWR,NSHUT,MON
0/6/SP	MSC(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/6/CPU0	MSC	4-10GbE	IOS XR RUN	PWR,NSHUT,MON
0/7/SP	MSC(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/7/CPU0	MSC	10C768-POS	IOS XR RUN	PWR,NSHUT,MON
0/RP0/CPU0	RP(Active)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/RP1/CPU0	RP(Standby)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM0/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM1/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM2/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON
0/SM3/SP	FC-140G/S(SP)	N/A	IOS XR RUN	PWR,NSHUT,MON

```
RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/1/CPU0
Wed Nov 27 15:56:57.012 UTC
Sorry, that node can't be found
```

## Guias de referência de comando do 6000 Series Router de Cisco NC

- [Referência de comandos da administração do sistema para os 6000 Series Router de Cisco NC](#)
- [Referência de comandos do gerenciamento de sistema para o 6000 Series Router de Cisco](#)

[NC, liberação 5.0.x](#)