

Введение

Этот документ описывает Систему Конвергенции Сети Cisco (NCS) 6000 Независимых от платформы команд CLI в Cisco IOS® XR Release 5.0.1, которые изменили по сравнению с системой Cisco Carrier Routing System (CRS) маршрутизаторы, которые выполняют другие версии Cisco IOS XR.

Этот документ предназначен для любого, кто familiar с Cisco IOS XR и хочет понять то, какие изменения CLI были внесены с NCS 6008 и Выпуском 5.0.1.

Примечание: Этот документ не обращается к командам Platform Dependent (PD), которые изменились или были созданы в частности для платформы NCS 6008.

Предварительные условия

Требования

Cisco рекомендует иметь высокоуровневое знание этих тем:

- Команды CLI Cisco IOS XR
- Архитектура NCS 6008

Используемые компоненты

Этот документ ограничен Выпуском 5.0.1 Cisco IOS XR, который работает на NCS 6008.

Сведения, представленные в этом документе, были получены от устройств, работающих в специальной лабораторной среде. Все устройства, описанные в этом документе, были запущены с чистой (стандартной) конфигурацией. В рабочей сети необходимо изучить потенциальное воздействие всех команд до их использования.

Как Использовать этот документ

Команды NCS 6008 Platform Independent, перечисленные в этом документе, изменились для Выпуска 5.0.1 Cisco IOS XR и NCS 6008. Каждая команда перечислена в алфавитном порядке. Сводка изменений, а также дополнительных сведений относительно конкретных различий предоставлена. Каждая команда связана со Справочным руководством соответствующей команды, когда доступно.

Выходные данные Example CLI и сравнения с выходными данными CLI CRS включены для многих команд.

Значение Незначительных или Главных определялось для каждой команды, чтобы помочь читателю определять значительные изменения от тех, которые являются незначительным

синтаксисом, опцией, или выходные данные изменяются только.

присоединение

См. раздел [присоединения](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: опция доступна от Режимы EXEC.

Подробные данные: для соединения с хостом от удаленного местоположения используйте команду **location** присоединения в EXEC System Admin и Режимы EXEC XR. Эта операция отличается немного от команды **присоединения выполнения** на платформе CRS из-за разделения System Admin (Системный администратор) и Виртуальные машины XR (VM) в Выпуске 5.0.1 Cisco IOS XR. Для каждой линейной платы и процессора маршрута (RP), там существует оболочка хоста для VM System Admin и VM XR.

Значение: незначительный

Вот то, как вы подключаете к линейной плате или RP от VM XR:

```
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
```

Вот то, как вы подключаете к линейной плате или RP от SysAdmin VM:

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

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

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

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

```
Possible completions:
```

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

```
sysadmin-vm:0_RP0# attach location ?  
Possible completions:  
0/0 0/7 0/RP0 0/RP1  
  
sysadmin-vm:0_RP0# attach location 0/0  
Mon Jan 20 10:05:08.279 UTC  
[sysadmin-vm:0_0:~]$ exec chvrf 2 bash  
[sysadmin-vm:0_0:~]$  
[sysadmin-vm:0_0:~]$  
[sysadmin-vm:0_0:~]$ exit  
  
sysadmin-vm:0_RP0# attach location 0/RP1  
Mon Jan 20 10:05:27.960 UTC  
[sysadmin-vm:0_RP1:~]$ exec chvrf 2 bash  
[sysadmin-vm:0_RP1:~]$  
[sysadmin-vm:0_RP1:~]$  
[sysadmin-vm:0_RP1:~]$ exit  
  
sysadmin-vm:0_RP0#  
sysadmin-vm:0_RP0#
```

clear context

См. раздел [clear context](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют незначительные изменения поведения.

Подробные данные: Это имеет те же опции CLI.

Значение: незначительный

КОПИЯ

См. раздел [копии](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: Некоторые опции не доступны. Трудно скопировать между SysAdmin VM и VM XR.

Подробные данные: FTP поддерживается для передачи файла под CLI копии VM XR.

SysAdmin VM и файловые системы VM XR являются отдельными. И SysAdmin и VM XR имеют **жесткий диск:** и **disk0:** каталоги. Когда вы копируете или пакеты install add с **disk0:** или **жесткий диск:** пакеты, которые установлены от VM XR (iso, дополнительные пакеты, XR SMUs) должны быть скопированы к файловым системам VM XR. SysAdmin VM SMUs скопирован к файловым системам VM Admin, прежде чем они выполняют операцию install add.

Значение: Значительный

```
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
```

ОПИСАТЬ

Сводка: существуют незначительные выходные изменения. Команда доступна в VM XR и в SysAdmin VM.

Выходные данные команды указывают, что существуют некоторые изменения к TaskIDs, необходимому для выполнения команд XR на CRS по сравнению с на NCS-6008.

Подробные данные: То, когда **описывают**, используется в SysAdmin VM, он работает для некоторых команд, но не для других. Версия виртуальной машины SysAdmin этой команды вывела, отображает операционную систему Linux (ОС) Команда, вызванная для выполнения команды в SysAdmin VM. Так как TaskIDs не используются для выполнения команд SysAdmin VM, описать выходные данные не включают ту информацию, когда используется в SysAdmin VM.

Значение: незначительный

```
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

См. раздел [dumpcore](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют незначительные изменения к опциям CLI и поведению.

Подробные данные: процесс corehelper используется вместо дампера. Когда выполнение dumpcore выполняется на NCS, существуют сокращенные объемы производства в системных журналах, так как crashinfo (сведения об аварийном отказе) не записан в системный журнал дампером.

Значение: незначительный

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

running Perform a core dump for a running process

suspended Suspend the process while generating core and resume afterwards

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

Sat Jan 31 23:54:27.345 UTC

Dump core Succeeded

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

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

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

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

Fri Nov 15 17:56:33.834 UTC

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

Dump request for process pkg/bin/bgp

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

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

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

Core for pid = 549148 (pkg/bin/bgp) requested by pkg/bin/dumper_gen@node0_RP0_CPU0

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

Process memory pages 581

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

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

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

EDI ESI EBP(fp) EXX

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

R0 1031b8bc 041ff980 041ff95c e899ab58

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

EBX EDX ECX EAX

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

R4 1031b99c 082657da 041ff8dc 0000000e

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

EIP(pc) CS EFL ESP

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

R8 082657da 000000f3 80001202 041ff8dc

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

SS

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

R12 000000fb

RP/0/RP0/CPU0:Nov 15 17:56:33.857 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :

#0 0x82657da

RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :

#1 0x81ef5d3

RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :

#2 0x81f1605

RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :

#3 0x81f287b

RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :

#4 0xb439fb4
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#5 0x424d770
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#6 0x4202080
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-INSTALL_PKG_SHOW_FAILED :
active installed packages show failed: Information not available
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO_HEAD :
DLL path Text addr. Text size Data addr. Data size Version
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libplatform.dll 0x08178000 0x0000a000 0x08182000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libsystemgr.dll 0x08186000 0x00018000 0x0819e000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcerrno.dll 0x0819f000 0x00003000 0x081a2000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libios.dll 0x081a3000 0x0002f000 0x081d2000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libss_common.dll 0x081d4000 0x00007000 0x081db000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinfra.dll 0x081dc000 0x0003e000 0x0821a000
0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libltrace.dll 0x0821d000 0x0000b000 0x08228000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_platform_infra_ltrace.dll 0x08229000 0x00001000
0x0822a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcsemlock.dll 0x0822b000 0x00003000 0x0822e000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpcds.dll 0x08233000 0x00008000 0x0823b000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libc.dll 0x08241000 0x0007c000 0x082bd000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_procfs_util.dll 0x082c6000 0x00004000
0x082ca000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libsyslog.dll 0x082cb000 0x00004000 0x082cf000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libbackplane.dll 0x082d0000 0x00002000 0x082d2000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnodeid.dll 0x082d3000 0x00009000 0x082dc000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :

/hfr-os-4.1.2/0x100008/lib/libpackage.dll 0x08341000 0x00062000 0x083a3000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libdebug.dll 0x083ba000 0x0000f000 0x083c9000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnotify.dll 0x08400000 0x00030000 0x08430000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinst_debug.dll 0x08431000 0x00003000 0x08434000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_shmwin_pl_vm.dll 0x08444000 0x00001000
0x08445000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_mutex_monitor.dll 0x08453000 0x00002000
0x08455000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libshmwin.dll 0x08456000 0x00012000 0x08468000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcci_client.dll 0x085de000 0x0000b000 0x085e9000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcci_hal.dll 0x085ea000 0x0000e000 0x085f8000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libtlv.dll 0x08c75000 0x00004000 0x08c79000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_i2c_client_api.dll 0x08d9a000 0x00012000
0x08dac000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdb.dll 0x08e00000 0x0003e000
0x08e3e000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbutils.dll 0x08e3f000 0x00012000
0x08e51000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libship.dll 0x08e80000 0x00007000 0x08e87000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd_notif.dll 0x08e88000 0x00008000
0x08e90000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpkgfs_query.dll 0x08ea9000 0x00002000
0x08eab000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libshmalloc.dll 0x08ebc000 0x00005000 0x08ec1000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libredcon.dll 0x08ec2000 0x00006000

0x08ec8000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket_common.dll 0x08ee1000 0x00015000
0x08ef6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libgroup.dll 0x08ef7000 0x0001b000
0x08f12000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libgsputils.dll 0x08f24000 0x0000c000
0x08f30000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-base-4.1.2/0x100008/lib/redcon_plfm.dll 0x08fa3000 0x00003000
0x08fa6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libinfra_nsr.dll 0x0901f000 0x00008000
0x09027000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-base-4.1.2/0x100008/lib/lib_cctl_client_api.dll 0x0903d000
0x0001d000 0x0905a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_tlvlib.dll 0x09219000 0x00003000
0x0921c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbag.dll 0x09223000 0x00007000
0x0922a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-base-4.1.2/0x100008/lib/libfabaddr.dll 0x09267000 0x00003000
0x0926a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libens.dll 0x09283000 0x00010000
0x09293000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_spp_client.dll 0x092ac000 0x00012000
0x092be000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnrsutils.dll 0x09337000 0x00005000
0x0933c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket.dll 0x093dc000 0x00012000 0x093ee000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnrs.dll 0x094a0000 0x00007000
0x094a7000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libifmgr.dll 0x09778000 0x00042000
0x097ba000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :
Choice 0() either not configured or bad path at <3524>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libim_util.dll 0x097c4000 0x00021000
0x097e5000 0x00009000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :

Choice 1() either not configured or bad path at <3384>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librpc.dll 0x09800000 0x00008000
0x09808000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :
Choice 2() either not configured or bad path at <3384>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libasync.dll 0x09840000 0x0000d000
0x0984d000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :
Choice 3() either not configured or bad path at <3384>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libcbp.dll 0x0984e000 0x00007000
0x09855000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbbackend.dll 0x099d0000
0x00006000 0x099d6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipaddr_cons.dll 0x09ae7000
0x0001f000 0x09b06000 0x00004000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libiparmaddr.dll 0x09b0a000
0x00002000 0x09b0c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libiparmtlv.dll 0x09b0d000 0x00002000
0x09b0f000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbackend_sysdb.dll 0x09b4c000
0x00006000 0x09b52000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbackend_parser.dll 0x09b53000
0x00003000 0x09b56000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd_evm.dll 0x09b83000 0x00004000
0x09b87000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-fwding-4.1.2/0x100008/lib/lib_ppfi_buffhdr.dll 0x09b88000
0x00014000 0x09b9c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-fwding-4.1.2/0x100008/lib/libhfr_buffhdr_hal.dll 0x09b9d000
0x00004000 0x09ba1000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbhelper.dll 0x09c1d000
0x00004000 0x09c21000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi.dll 0x0a0fc000 0x0000d000
0x0a109000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi_util.dll 0x0a11b000 0x00003000
0x0a11e000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket_netio.dll 0x0a13e000 0x0000b000

0x0a149000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi_dbg.dll 0x0a14a000 0x00002000
0x0a14c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librp_isolation.dll 0x0a152000
0x00002000 0x0a154000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnsr_platform.dll 0x0a1dc000 0x00003000
0x0a1df000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi_ifh.dll 0x0a1fb000 0x00005000
0x0a200000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libhfr_spp_client.dll 0x0a235000 0x00006000
0x0a23b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi_util.dll 0x0a24c000 0x00002000
0x0a24e000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxipc.dll 0x0a26f000 0x00004000
0x0a273000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attr_util.dll 0x0a2af000
0x00002000 0x0a2b1000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnsr_qad_client.dll 0x0a2cd000
0x00008000 0x0a2d5000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip6_acl.dll 0x0a2db000 0x0001a000
0x0a2f5000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libimattrclient.dll 0x0a2f9000
0x00018000 0x0a311000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip4_acl.dll 0x0a315000 0x00023000
0x0a338000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip6_acl_support.dll 0x0a354000
0x00004000 0x0a358000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libpcl.dll 0x0a359000 0x00021000
0x0a37a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip4_acl_support.dll 0x0a395000
0x00002000 0x0a397000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip6_ma_las.dll 0x0a39a000
0x00008000 0x0a3a2000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbsd_addr_presentation.dll 0x0a3ee000
0x00002000 0x0a3f0000 0x00001000 0

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

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

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

RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libipv4_rib.dll 0x0a9cf000 0x00014000
0x0a9e3000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/lib_ipv6_rib.dll 0x0ab5a000 0x0000f000
0x0ab69000 0x00001000 0

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

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

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

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/liboradock.dll 0x0ad07000 0x00013000
0x0ad1a000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/librasf.dll 0x0ad1b000 0x0000a000
0x0ad25000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libauto_dll.dll 0x0ad2b000 0x00005000
0x0ad30000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/librpl_util.dll 0x0ad34000 0x00002000
0x0ad36000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/librib_ora.dll 0x0ad37000 0x00004000
0x0ad3b000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/liborashared.dll 0x0ad3c000
0x0000e000 0x0ad4a000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_policy_ora_v1_0_0.dll
0x0ad4b000 0x0003a000 0x0ad85000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_damp_ora_v1_0_0.dll 0x0ad8f000
0x00006000 0x0ad95000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libbfd_client.dll 0x0add7000
0x0000a000 0x0ade1000 0x00009000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.877 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/liblsd.dll 0x0ae04000 0x0000c000

0x0ae10000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_util_common.dll 0x0b433000
0x0001a000 0x0b44d000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_debug.dll 0x0b44f000
0x0000b000 0x0b45a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_sysdb_util.dll 0x0b45c000
0x00018000 0x0b474000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af_lib.dll 0x0b477000
0x00009000 0x0b480000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_import.dll 0x0b481000
0x00017000 0x0b498000 0x00077000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-5-CORE_FILE_NAME :
Core for process pkg/bin/bgp at harddisk:
/dumper/first.bgp_1036.by.dumper_gen.node0_RP0_CPU0.x86.Z on local_node
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_db.dll 0x0b50f000
0x00009000 0x0b518000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attr_extcomm.dll 0x0b533000
0x00004000 0x0b537000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_util.dll 0x0b538000
0x00012000 0x0b54a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af.dll 0x0b54c000 0x0000f000
0x0b55b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_table.dll 0x0b55c000 0x00039000
0x0b595000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_nbr.dll 0x0b597000 0x0000a000
0x0b5a1000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi_prod.dll 0x0b5a2000 0x00004000
0x0b5a6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_policy.dll 0x0b5a7000 0x00010000
0x0b5b7000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libpcl_v1_0_ora.dll 0x0b5b8000
0x00003000 0x0b5bb000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_sysdb.dll 0x0b5bc000 0x00034000
0x0b5f0000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libtcp_sso_client.dll 0x0b5f2000
0x00005000 0x0b5f7000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_aggregate.dll 0x0b5f8000
0x0000e000 0x0b606000 0x0003a000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_rib.dll 0x0b640000 0x00026000
0x0b666000 0x00002000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_rib_lookup.dll 0x0b668000
0x00003000 0x0b66b000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_import.dll 0x0b66c000 0x00014000
0x0b680000 0x00006000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_scanner.dll 0x0b686000 0x0002b000
0x0b6b1000 0x0000a000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_label.dll 0x0b6bb000 0x0001a000
0x0b6d5000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv4_unicast.dll 0x0b6d6000
0x00003000 0x0b6d9000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vpnv4_unicast.dll 0x0b6da000
0x00003000 0x0b6dd000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_unicast.dll 0x0b6de000
0x00003000 0x0b6e1000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vpnv6_unicast.dll 0x0b708000
0x00003000 0x0b70b000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxp.dll 0x0b70c000 0x0001f000
0x0b72b000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libdom.dll 0x0b72c000 0x00004000
0x0b730000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/cisco_ipv6_lib.dll 0x0b731000
0x00003000 0x0b734000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libl2vpn_ad.dll 0x0b735000 0x00007000
0x0b73c000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_addr_cache.dll 0x0b75a000
0x00003000 0x0b75d000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv4_common.dll 0x0b787000
0x0000b000 0x0b792000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af_common.dll 0x0b793000
0x00002000 0x0b795000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :

```
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_common.dll 0x0b811000
0x0000b000 0x0b81c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attrbag.dll 0x0b88e000
0x00002000 0x0b890000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipt_biscuit_bgp.dll 0x0b891000
0x00005000 0x0b896000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:37.049 : dumper[61]: %OS-DUMPER-5-DUMP_SUCCESS :
Core dump success
RP/0/RP0/CPU0:Nov 15 17:56:37.420 : dumper[61]: %OS-DUMPER-6-CORE_MD5 :
harddisk:/dumper/first.bgp_1036.by.dumper_gen.node0_RP0_CPU0.x86.Z has just
been written. size:16907006 md5:ef2cd0fd4c45c434c03f858974033543
```

придержаться

См. [придерживаться](#) раздел Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: опции изменяются наряду с выходными данными.

Значение: незначительный

установить

См. раздел [установки](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: существуют изменения опций наряду с выходными данными. Доступный и в VM XR и в режиме SysAdmin VM.

Подробные данные: Выпуск 5.0.1 только поддерживает процедуру установки обновления единой системы для маршрутизатора от VM XR. Отдельная установка выпуска для SysAdmin VM и VM XR не поддерживается в Выпуске 5.0.1, за исключением установки Обновления обслуживания программного обеспечения (SMU). SMUs для каждого VM (SysAdmin или XR) должен быть установлен от корректного VM. Дополнительные пакеты должны быть установлены от VM XR.

Установка готовит параметр командной строки, добавлен для сокращения обновления/простоя из-за техобслуживания. **Установка готовит** команду, не требуется.

Опция install abort была осуждена. Нет никаких планов поддержать его в будущем.

Install rollback был удален в Выпуске 5.0.1. Нейтрализация/откат к выпуску рассматривается как любой другой процесс установки.

Install commit не требуется и неявен в Выпуске 5.0.1. Команда **install commit** доступна в Выпуске 5.0.1, но не необходима, так как передача является автоматической.

В Выпуске 5.2.1 **install commit** прекратит быть неявным и потребует явного **install commit**.

В будущем выпуске способность к **install rollback** будет представлена наряду с изменением команды **install commit**.

Значение: Значительный

```
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
```

процессы монитора

См. раздел [процессов монитора](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существует незначительная опция и выходные изменения.

Подробные данные: опция location не доступна.

Значение: незначительный

```
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

См. [раздел конфигурации показа](#) Справочника по командам Управления системой для Cisco

NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: выходные данные команды **show configuration** отличаются от классического XR.

Подробные данные: доступные ключевые слова изменились для SysAdmin VM. Ключевые слова для VM XR остаются тем же как с классическим XR.

Значение: незначительный

VM XR - то же как традиционный IOS-XR

```
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 - (Только передают ключевое слово, показанное как опция):

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

```
RP/0/RP1/CPU0:CRS-H(admin)#show configuration ?
commit      Show commit information
failed      Contents of the failed configuration
history     Display history of configuration events (up to 1500 events)
inconsistency Configuration inconsistencies
lock        Configuration lock
persistent  Show persistent configuration
removed     Display configuration removed during install operations
rollback    Show rollback information
running     Current operating configuration
sessions    Users with active configuration sessions
```

show context

См. раздел [show context](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: нет никаких значительных изменений к опциям CLI. Незначительные изменения выходных данных CLI.

Подробные данные: каталог, где ключевой файл сохранен, не всегда отображается (**жесткий диск:** по умолчанию отображается значение \\. файлы crashinfo не записаны в тот же каталог как ключевые файлы по умолчанию и сохранены к **disk0:/core** каталогу. **Команда**

show context и привязанный файл crashinfo (.txt) включают след и информацию о регистре для каждого потока процесса катастрофического отказа на NCS 6008

Значение: незначительный

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: 0xffffffffffff

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 0x00000000041483a 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 0x000000000405869 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
```

Registers for Thread 2366

```
rax: 0xffffffffffffe00
rbx: 0x7fe0ab5b0bf0
rcx: 0xffffffffffffffff
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: 0xffffffffffffc
rbx: 0x7fe0ab52fe30
rcx: 0xffffffffffffffff
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: 0xfffffffffffffc
rbx: 0x1
rcx: 0xfffffffffffff
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: 0xfffffffffffffc
rbx: 0xb67b70
rcx: 0xfffffffffffff
rdx: 0x20
rsi: 0xb67e00
rdi: 0x6
rbp: 0xb5e9c0
rsp: 0x7fe08eae9790
r8: 0xb68000
r9: 0x0
r10: 0xfffffffff
r11: 0x293
r12: 0xb67e00
r13: 0xe
r14: 0x0
r15: 0xb5e9c0
rip: 0x7fe0a588c683
eflags: 0x293
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0

Backtrace for Thread 2370

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

Registers for Thread 2372

rax: 0xffffffffffffe00
rbx: 0x7fe0ab608008
rcx: 0xffffffffffffffff
rdx: 0x20
rsi: 0x0
rdi: 0x7fe0ab608034
rbp: 0x7fe08ea68ee0
rsp: 0x7fe08ea68e28
r8: 0x0
r9: 0x0
r10: 0x0
r11: 0x246
r12: 0x7fe0a559cc80

--More-- --More-- filtering...

Registers for Thread 2370

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

Backtrace for Thread 2370

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

```
#5 0x00007fe0aa34dae5 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#6 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
```

Registers for Thread 2372

```
rax: 0xffffffffffffe00
rbx: 0x7fe0ab608008
rcx: 0xfffffffffffff
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: 0xffffffffffffe00
rbx: 0x0
rcx: 0xfffffffffffff
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: 0xffffffffffffc
rbx: 0xbb6290
rcx: 0xfffffffffffff
rdx: 0x20
rsi: 0xbb6560
rdi: 0x1f
rbp: 0xbb6520
rsp: 0x7fe08efa0b40
r8: 0x1
r9: 0x9f0
r10: 0xfffffffff
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 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 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: 0xfffffffffffffc
rbx: 0x7fe08ec9de20
rcx: 0xffffffffffffffff
```

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

Backtrace for Thread 2546

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

Registers for Thread 2547

rax: 0xfffffffffffffc
rbx: 0x7fe08ec1ce20
rcx: 0xfffffffffffff
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: 0xfffffffffffffffffc
rbx: 0x7fe08e7cde20
rcx: 0xffffffffffffffffff
rdx: 0x0
rsi: 0x0
rdi: 0x7fe08e7cde20
rbp: 0x7fe08e7cdeac
rsp: 0x7fe08e7cd5d0
r8: 0x0
r9: 0x80
r10: 0x8
r11: 0x246
r12: 0xc1a6c0
r13: 0x7fe08e7cd6c0
r14: 0xa5
r15: 0x7fe08e7cdaf0
rip: 0x7fe0a57dba08
eflags: 0x246
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0

Backtrace for Thread 2548

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

Registers for Thread 2549

rax: 0xfffffffffffffffffc
rbx: 0x7fe08e74ce20

rcx: 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: 0xfffffffffffffffcc
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
000000000400000 148K r-x-- /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000625000 8K rw--- /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000627000 48K rw--- [anon]
0000000000b4e000 880K rw--- [anon]
0000000080000000 1920K ---s- /dev/zero (deleted)
00000000801e0000 40K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/header
00000000801ea000 24K ---s- /dev/zero (deleted)
00000000801f0000 36K rw-s- /dev/shm/dev/shmem/shmwin/im_db/header
00000000801f9000 28K ---s- /dev/zero (deleted)
0000000080200000 36K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/header
0000000080209000 147624K ---s- /dev/zero (deleted)
0000000089233000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89233000
000000008923b000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8923b000
0000000089243000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89243000
000000008924b000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8924b000
0000000089253000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89253000
000000008925b000 8K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8925b000
000000008925d000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8925d000
0000000089265000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89265000
000000008926d000 1024K r--s- /dev/shm/dev/shmem/shmwin/im_db/0x8926d000
000000008936d000 1024K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/0x8936d000
000000008946d000 104K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/0x8946d000
0000000089487000 4328K ---s- /dev/zero (deleted)
00000000898c1000 104K r--s- /dev/shm/dev/shmem/shmwin/im_db/0x898c1000
00000000898db000 1940628K ---s- /dev/zero (deleted)
00007fe0868dc000 122072K rw-s- /dev/shm/logging_buffer
00007fe08e012000 56K rw-s- /dev/shmem/ltrace/shmwin/lib/err_b1_oaef
00007fe08e020000 16K rw-s- /dev/shmem/ltrace/shmwin/lib/err
00007fe08e024000 160K rw-s- /dev/shm/cdm_aqsm_services_db
00007fe08e04c000 864K ---s- /dev/shm/cdm_aqsm_services_db
00007fe08e124000 40K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b2_o846
00007fe08e12e000 40K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/api_b1_o846
00007fe08e138000 4K ---- [anon]
00007fe08e139000 512K rw--- [anon]

```

00007fe08e1b9000 5120K rw-s- /dev/shm/dev/shmem/sysmgr_shmem
00007fe08e6b9000 56K rw-s- /dev/shmem/ltrace/epm/issu_b1_o803
00007fe08e6c7000 16K rw-s- /dev/shmem/ltrace/epm/issu
00007fe08e6cd000 4K ----- [ anon ]
00007fe08e6ce000 512K rw--- [ anon ]
00007fe08e74e000 4K ----- [ anon ]
00007fe08e74f000 512K rw--- [ anon ]
00007fe08e7cf000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/file
00007fe08e7d3000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/event
00007fe08e7d7000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/suspend
00007fe08e7db000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/vicr
00007fe08e7de000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/edm_access
00007fe08e7e1000 40K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b2_o803
00007fe08e7eb000 40K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b1_o803
00007fe08e7f5000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo
00007fe08e7f8000 12K rw-s- /dev/shmem/ltrace/install/insthelper
00007fe08e7fb000 12K rw-s- /dev/shmem/ltrace/install/instdir
00007fe08e7fe000 8K rw-s- /dev/shmem/ltrace/im/ochn_evt
00007fe08e800000 8K rw-s- /dev/shmem/ltrace/im/ochn_msg
00007fe08e802000 136K rw-s- /dev/shmem/ltrace/im/client--
00007fe08e824000 8K rw-s- /dev/shmem/ltrace/im/register
00007fe08e826000 8K rw-s- /dev/shmem/ltrace/im/resync--
00007fe08e828000 8K rw-s- /dev/shmem/ltrace/im/replcate
00007fe08e82a000 8K rw-s- /dev/shmem/ltrace/im/dpc-----
00007fe08e82c000 8K rw-s- /dev/shmem/ltrace/im/attr_chg
00007fe08e82e000 8K rw-s- /dev/shmem/ltrace/im/caps_add
00007fe08e830000 8K rw-s- /dev/shmem/ltrace/im/ifcreate
00007fe08e832000 12K rw-s- /dev/shmem/ltrace/im/if_exist
00007fe08e835000 8K rw-s- /dev/shmem/ltrace/im/history-
00007fe08e837000 12K rw-s- /dev/shmem/ltrace/im/mgmt----
00007fe08e83a000 8K rw-s- /dev/shmem/ltrace/im/sys-fast
00007fe08e83c000 12K rw-s- /dev/shmem/ltrace/im/sys-slow
00007fe08e83f000 12K rw-s- /dev/shmem/ltrace/im/errors-s
00007fe08e842000 16K rw-s- /dev/shmem/ltrace/im/errors-o
00007fe08e846000 12K rw-s- /dev/shmem/ltrace/im/errors-i
00007fe08e849000 12K rw-s- /dev/shmem/ltrace/install/notify_error
00007fe08e84c000 12K rw-s- /dev/shmem/ltrace/install/notify
00007fe08e84f000 4K ----- [ anon ]
00007fe08e850000 512K rw--- [ anon ]
00007fe08e8d0000 36K rw-s- /dev/shmem/ltrace/install/instdir_loadpath_error
00007fe08e8d9000 12K rw-s- /dev/shmem/ltrace/install/instdir_loadpath
00007fe08e8dc000 52K rw-s- /dev/shmem/ltrace/install/inst_io_error
00007fe08e8e9000 1024K rw-s- /dev/shm/cdm_aqsm_services_db
00007fe08e9e9000 4K ----- [ anon ]
00007fe08e9ea000 512K rw--- [ anon ]
00007fe08ea6a000 4K ----- [ anon ]
00007fe08ea6b000 512K rw--- [ anon ]
00007fe08eaeb000 4K ----- [ anon ]
00007fe08eaec000 512K rw--- [ anon ]
00007fe08eb6e000 4K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe08eb6f000 12K rw-s- /dev/shmem/ltrace/ip_addr_c_data_trace_190
00007fe08eb72000 12K rw-s- /dev/shmem/ltrace/ip_addr_c_ctrl_trace_190

```

```

00007fe08eb75000      8K rw-s- /dev/shm/dev/shmem/shmwin_svr/window_grp_stats
00007fe08eb77000     80K rw-s- /dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b3_o803
00007fe08eb8b000     32K rw-s- /dev/shmem/ltrace/aqsmlib/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/aqsmlib/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
00007fe08fca000    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/libcdr_invmgr_capi_proto.so
00007fe0936f9000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcdr_invmgr_capi_proto.so
00007fe0938f8000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcdr_invmgr_capi_proto.so
00007fe0938f9000 56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093907000 2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093b07000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093b08000 84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093b1d000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093d1c000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093d1d000 100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093d36000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093f35000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093f36000 696K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe093fe4000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe0941e3000 12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so

```
00007fe0941e6000    48K rw---  [ anon ]
00007fe0941f2000   164K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09421b000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09441a000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09441b000    60K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09442a000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09462a000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09462b000    16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe09462f000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe09482f000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe094830000     8K rw---  [ anon ]
00007fe094832000    12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094835000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094a34000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094a35000   304K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094a81000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094c80000     8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094c82000    24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094c88000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094e87000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094e88000     4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe094e89000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe095088000     4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe095089000     4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe09508a000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe095289000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe09528a000     8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
```

00007fe09528c000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09548b000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09548c000 4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09548d000 2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09568c000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09568d000 24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095693000 2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095893000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095894000 112K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_proto.so.0.0.1
00007fe0958b0000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_proto.so.0.0.1
00007fe095aaf000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_proto.so.0.0.1
00007fe095ab0000 56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_capi.so.0.0.1
00007fe095abe000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_capi.so.0.0.1
00007fe095cbd000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcm_capi.so.0.0.1
00007fe095cbe000 36K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095cc7000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095ec6000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libavl.so
00007fe095ec7000 72K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe095ed9000 2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe0960d9000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libasync.so
00007fe0960da000 8K rw--- [anon]
00007fe0960dc000 20K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0960e1000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0962e0000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrsutils.so
00007fe0962e1000 320K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096331000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096530000 12K rw---

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_proto.so
00007fe096533000    160K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09655b000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09675b000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl.so
00007fe09675c000      4K rw--- [ anon ]
00007fe09675d000    216K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096793000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096993000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl.so
00007fe096994000      4K rw--- [ anon ]
00007fe096995000    100K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe0969ae000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe096bae000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_proto.so
00007fe096baf000      4K rw--- [ anon ]
00007fe096bb0000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmtlv.so
00007fe096bb3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmtlv.so
00007fe096db2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmtlv.so
00007fe096db3000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096dba000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fb9000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fba000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe096fcf000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971ce000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971d1000      4K rw--- [ anon ]
00007fe0971d2000     32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0971da000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973d9000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973db000      8K rw--- [ anon ]
00007fe0973dd000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0973de000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
```

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



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

```
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099845000 104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe09985f000 2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a5f000 8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a61000 520K r-x-- /lib64/libm-2.12.so
00007fe099ae3000 2044K ----- /lib64/libm-2.12.so
00007fe099ce2000 8K rw--- /lib64/libm-2.12.so
00007fe099ce4000 12K r-x--&nbsp;
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ce7000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ee6000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ee7000 8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe099ee9000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe09a0e8000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe09a0e9000 28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a0f0000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a2ef000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a2f0000 16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a2f4000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a4f3000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a4f4000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a4f5000 2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a6f4000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a6f5000 12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a6f8000 2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a8f8000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a8f9000 4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09a8fa000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09aaf9000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
```

00007fe09aafa000 36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ab03000 2044K ----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ad02000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ad03000 4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09ad04000 2044K ----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09af03000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09af04000 4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09af05000 2048K ----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09b105000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09b106000 12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b109000 2048K ----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b309000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b30a000 56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b318000 2044K ----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b517000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b518000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b519000 2044K ----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b718000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b719000 8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b71b000 2044K ----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91a000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91b000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09b91c000 2044K ----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1b000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1c000 40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bb26000 2044K ----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so

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00007fe09bd25000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd26000     32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bd2e000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2f000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09bf35000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c135000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c136000     24K rw---  [ anon ]
00007fe09c13c000     12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c13f000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33e000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33f000    100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c358000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c557000     12K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c55a000    148K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c57f000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c77e000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c781000     44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c78c000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98c000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98d000     28K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09c994000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb94000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb95000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cb96000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd95000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd96000     20K r-x--
```

```
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cd9b000 2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9a000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9b000 32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09cfa3000 2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a2000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a3000 80K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d1b7000 2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b7000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b8000 52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d3c5000 2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c5000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c6000 12K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d5c9000 2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c8000 4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c9000 60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d7d8000 2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d8000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d9000 12K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09d9dc000 2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdb000 4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdc000 8K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dbde000 2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dddd000 4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09ddde000 4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09ddf000 2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dfde000 4K rw---
```

```
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
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/libsdr_nm_proto.so.0.0.1
00007fe0a1f31000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsdr_nm_proto.so.0.0.1
00007fe0a2130000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsdr_nm_proto.so.0.0.1
00007fe0a2131000   112K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsdr_nm_capi.so.0.0.1
00007fe0a214d000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsdr_nm_capi.so.0.0.1
00007fe0a234d000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsdr_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
```

show dll

См. раздел [show dll](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют изменения опций и выходные изменения.

Подробные данные: Только изодромное с предварением ключевое слово является suuported. Ключевое слово местоположения удалено.

Значение: незначительный

```
RP/0/RP0/CPU0:NCS6008-A#show dll ?
pid Pid of the process
```

```
RP/0/RP0/CPU0:NCS6008-A#show dll pid ?
<0-4294967295> <pid> of the process
```

```
RP/0/RP1/CPU0:CRS-H#show dll ?
address Display the dllname for a particular address.
dllname Display the pid_info for a particular dllname (virt-path).
jobid job id
location location to display
memory Display only a summary of memory usage.
symbol Static function symbols will NOT work
virtual Displays virtual path.
| Output Modifiers
<cr>
```

show controller fabric

См. раздел [show controller fabric](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: ключевые слова команды показа изменены.

Подробные данные: Поддержка связки (bundle), подключения и итоговых ключевых слов удалена. Поддержка fsdb-агрегатора и ключевых слов fsdb-сервера добавлена. Большинство выходных данных подобно.

Все команды показа за исключением ключевого слова трассировки находятся в SysAdmin VM.

Значение: незначительный

```
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

См. раздел [show environment](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: Там выведены изменения командного ключевого слова и изменения.

Подробные данные: Поддержка **leds** и ключевых слов **таблицы** удалена. Поддержите **for**, **текущее** ключевое слово добавлено. Выходные данные являются косметически другими. Выходные данные включают на информацию о части.

Значение: незначительный

```
sysadmin-vm:0_RP0# show environment ?
Description: environment data
Possible completions:
all           All environment monitor parameters
current       Current information
fan           Chassis Fans information
power         Power supply voltage and current information
temperatures Temperature information
```

```
trace          Debug trace information
voltages      Voltage information
|            Output modifiers
<cr>
```

```
RP/0/RP1/CPU0:CRS-H(admin)#show env ?
```

```
all           All environmental monitor parameters
fans         Fans information
last         Last readings of environmental parameters
leds         LEDS on cards
location     Location of a node
power-supply Power supply voltage and current information
table       Environmental parameter ranges
temperatures Temperature information
trace       Show trace data for environment monitoring
voltages    Voltage information
|          Output Modifiers
<cr>
```

show file system

См. раздел [show filesystem](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют изменения опций наряду с выходными данными CLI.

Подробные данные: disk0 show filesystem: команда не работает больше. Команда не доступна от SysAdmin VM. Команда отображает ту же информацию от режима администрирования и ехес на CRS, но не на NCS 6008.

Значение: незначительный

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

```
Tue Feb 10 22:09:42.941 UTC
```

```
File Systems:
```

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

```
RP/0/RP0/CPU0:NCS6008-A#show filesystem loc all
```

```
Tue Feb 10 22:10:20.285 UTC
```

```
node: node0_4_CPU0
```

```
-----  
File Systems:
```

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

node: node0_RP0_CPU0

File Systems:

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

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

location specify the location

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

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

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

Mon Nov 25 16:11:36.810 UTC

File Systems:

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

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

Mon Nov 25 16:14:24.159 UTC

File Systems:

Size(b)	Free(b)	Type	Flags	Prefixes
-	-	network	rw	qsm/dev/fs/tftp:
-	-	network	rw	qsm/dev/fs/rcp:
-	-	network	rw	qsm/dev/fs/ftp:
11492376576	10348458496	dumper-lnk	rw	qsm/dumper_disk0:

```

1312817152 1056006144 dumper-lnk    rw qsm/dumper_disk0a:
16568549376 15307819008 dumper-lnk    rw qsm/dumper_harddisk:
3051651072 3049283584 dumper-lnk    rw qsm/dumper_nvmem:
1017208832 1016152064 dumper-lnk    rw qsm/dumper_nvmem2:
16392388608 16388352512 dumper-lnk    rw qsm/dumper_harddiska:
1125122048 1124809216 dumper-lnk    rw qsm/dumper_disk1a:
11492376576 9500605440 dumper-lnk    rw qsm/dumper_disk1:
11492376576 10348458496 flash-disk     rw disk0:
11492376576 9500605440 flash-disk     rw disk1:
16568549376 15307819008  harddisk     rw harddisk:
16392388608 16388352512  harddisk     rw harddiska:
1312817152 1056006144 flash-disk     rw disk0a:
1125122048 1124809216 flash-disk     rw disk1a:
    1043456      998400      nvram         rw nvram:
3051651072 3049283584          rw nvmem:
1017208832 1016152064          rw nvmem2:

```

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

```

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

```

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

Mon Nov 25 16:15:10.110 UTC

```

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

```

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

show install

См. раздел [show install](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: существуют изменения входного параметра наряду с выходными изменениями.

Подробные данные: поддержка того, чтобы готовить и ключевых слов репозитория добавлена. Поддержка итогового ключевого слова удалена.

Значение: Значительный

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
```

show inventory

См. раздел [show inventory](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: Там выведены изменения наряду с изменениями ключевого слова.

Подробные данные: Поддержка ключевого слова трассировки удалена. Большинство других показов и функциональности являются тем же.

Команда show inventory может быть выполнена от VM XR или SysAdmin VM и показывает подобные выходные данные в обоих VM. В то время как эта информация не включена, когда выполнено от SysAdmin VM, **выходные данные show inventory** в VM XR отображают PIDs и серийные номера для оптики, установленной в линейных платах.

Значение: Значительный

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>
```

show media

См. раздел [show media](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют Выходные изменения CLI.

Подробные данные: **Disk0:** не используется в качестве загрузочного диска на NCS 6000. **rootfs:** разделение является разделом начальной загрузки и для XR и для VM SysAdmin. Раздел начальной загрузки 3.9G для VM XR и 2.9G для SysAdmin VM. **rootfs:** разделение для каждого VM вырезано из дисководов Твердотельного дисковода (SSD) на 32 ГБ на Процессоре маршрута. **Жесткий диск:** разделение для каждого VM вырезано из твердотельного диска на 200 ГБ на Процессоре маршрута.

Значение: Значительный

```
RP/0/RP0/CPU0:NCS6008-A#show media
Mon Mar 31 14:25:38.992 UTC
```

Media Information for local node.

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

rootfs: = root file system (read-only)

log: = system log files (read-only)

config: = configuration storage (read-only)

```
RP/0/RP0/CPU0:NCS6008-A#show media loc 0/3/cpu0
Mon Mar 31 14:51:44.648 UTC
```

Media Information for node0_3_CPU0.

```

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

```

```

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

```

RP/0/RP0/CPU0:NCS6008-A#**admin**

Mon Mar 31 14:26:24.575 UTC

lab connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0

sysadmin-vm:0_RP0# sh media

Mon Mar 31 14:26:31.960 UTC

```

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

```

```

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

```

RP/0/RP0/CPU0:CRS-K#**show media**

Sun Mar 30 21:31:30.784 UTC

Media Information for 0/RP0/CPU0.

Mountpoint	Image	Current	Part	Size	State	DrvrPid	Mirror	Flags
/disk0:	QNX4	QNX4		10.0G	Mounted	0036891	Enabled	
/disk0a:	QNX4	QNX4		1.1G	Mounted	0036891		
/harddiska:	QNX4	QNX4		14.2G	Mounted	0036891		
/disk1:	QNX4	QNX4		10.0G	Mounted	0036891		
/disk1a:	QNX4	QNX4		1.0G	Mounted	0036891		
/harddisk:	QNX4	QNX4		14.4G	Mounted	0036891		
/nvmem:	FAT32	FAT32		2.8G	Mounted	0032789		
/nvmem2:	FAT32	FAT32		0.9G	Mounted	0032789		
/disk2:	FAT32	(?)			Not Present			
/lcdisk0:	FAT32	(?)			Not Present			
/lcdisk0a:	FAT32	(?)						

Output Truncated to size 1023

show memory

См. раздел [show memory](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют изменения опций наряду с выходными данными CLI.

Подробные данные: архитектура памяти значительно изменена с NCS 6008. В результате существует много изменений к выходным данным CLI команды **show memory**. Изменения опции команды CLI незначительны.

Значение: незначительный

```
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

См. раздел [show processes](#) Справочника по командам Управления системой для Cisco NCS маршрутизатор серии 6000, Выпуск 5.0.x для получения дополнительной информации.

Сводка: существуют незначительные изменения в поддерживаемых опциях и также в выходных данных для некоторых опций.

Подробные данные: показ `pidin` ключевое слово больше не поддерживается.

Значение: незначительный

```
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.

show platform

См. раздел [show platform](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: существуют дополнительные входные параметры и выходные изменения.

Подробные данные: команда `show platform` может быть выполнена от XR или SysAdmin VM.

VM XR: Поддержка `vm` ключевого слова была добавлена.

На NCS 6000 команда отображает матрицу, вентилятора и информацию о модуле питания от VM XR, в то время как это не делает в классическом XR. Для получения информации о тех типах компонентов в Классическом XR команда должна быть выполнена от режима администрирования.

SysAdmin VM: подробное ключевое слово было добавлено для предоставления дополнительных сведений о состоянии и информации о загрузке для узла в системе. Поддержка ключевого слова **частей** добавлена.

Значение: Значительный

```
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>
```

show reboot

Сводка: из-за разделения VM XR и SysAdmin VM, команда **show reboot** изменилась в NG-XR.

Подробные данные: Под VM XR можно просмотреть историю перезагрузки VM XR для каждой активной линейной платы / RP.

Под SysAdmin VM историей перезагрузки SysAdmin VM для каждой активной линейной платы / может быть просмотрен RP, наряду с историей перезагрузки для линейной платы / сам RP (вспомните, что SysAdmin VM может быть перезагружен без повторной загрузки действующей линейной карты).

Значение: незначительный

```
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>
```

show sdr-invmgr

Сводка: Это - недавно добавленная команда в XR + VM Системного администратора.

Подробные данные: Это имеет новое в рабочем состоянии поведение.

Значение: Значительный

show tech-support

Сводка: Там выведены изменения с изменениями опций командного ключевого слова

Подробные данные: Поддержка их **показывает**, что ключевые слова **техподдержки** удалены на NCS 6000:

- airспроху
- атм
- call-home
- chdlc
- группа config
- контроллеры
- крипто-
- fabio
- frame Relay
- ipinfra
- lrd
- опер
- платформа
- ребро
- svd
- sysmgr
- туннельный ip

Поддержка их, которые режим администрирования **показывает** ключевым словам **техподдержки**, удалена на NCS 6000:

- asic
- связки (bundle)
- cfgmgr
- ethernet контроля
- диагностика
- dsc
- ees
- медицинский осмотр
- invmgr
- issu
- лицензия
- lrd
- nrs
- pcie
- shelfmgr
- sysdb
- sysmgr

Поддержка их **показывает**, что ключевые слова **техподдержки** доступны на NCS 6008, но не на CRS:

- матрица - В VM XR на NCS 6008
- установите - В VM XR на NCS 6008
- lwm - В VM XR на NCS 6008

- **npu** - В VM XR на NCS 6008
- **processmgr** - В VM XR на NCS 6008
- **rdm** - В VM XR на NCS 6008
- **sdr-invmgr** - В VM XR на NCS 6008

Поддержка их, которые SysAdmin VM **показывает** ключевым словам **техподдержки**, доступна на NCS 6000, но не на CRS:

- **alarm_mgr**
- **все**
- **ccc**
- **confd**
- **envmon**
- **fpd**
- **obfl**
- **пополудни**
- **sdr_mgr**
- **shelf_mgr**
- **slice_manager**
- **системный журнал**

Значение: незначительный

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

См. раздел [show version](#) Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000 для получения дополнительной информации.

Сводка: существуют главные выходные изменения.

Подробные данные: выходные данные значительно упрощены на NCS 6008, из-за другой структуры ОС.

Значение: незначительный

```
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#

вершина

См. [главный](#) раздел **Справочника по командам Администрирования системы для Cisco NCS маршрутизаторы серии 6000** для получения дополнительной информации.

Сводка: существуют изменения к входным параметрам и выходным данным. Команда доступна и в SysAdmin VM и в VM XR.

Подробные данные: местоположение ключевого слова для **dumbtty** перемещено в CLI. На NCS 6000 вершина может быть задана с местоположением линейной платы в то время как на CRS. Это не работает для местоположения линейной платы.

Значение: незначительный

```
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+	COMMAND								
1	root	20	0	14932	1368	1132	S	0.0	0.1	0:01.76
	init									
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00
	kthreadd									
3	root	RT	0	0	0	0	S	0.0	0.0	0:00.00
	migration/0									
4	root	20	0	0	0	0	S	0.0	0.0	0:01.28
	ksoftirqd/0									
5	root	RT	0	0	0	0	S	0.0	0.0	0:00.00
	watchdog/0									
6	root	20	0	0	0	0	S	0.0	0.0	0:02.68

```

events/0

  7 root      20  0    0    0    0 S 0.0 0.0  0:00.00
cpuset

  8 root      20  0    0    0    0 S 0.0 0.0  0:00.00
khelper

  9 root      20  0    0    0    0 S 0.0 0.0  0:00.00
netns

 10 root      20  0    0    0    0 S 0.0 0.0  0:00.00
async/mgr

 11 root      20  0    0    0    0 S 0.0 0.0  0:00.00
pm

 12 root      20  0    0    0    0 S 0.0 0.0  0:00.06
sync_supers

 13 root      20  0    0    0    0 S 0.0 0.0  0:00.08 bdi-
default

 14 root      20  0    0    0    0 S 0.0 0.0  0:00.00
kintegrityd/0

 15 root      20  0    0    0    0 S 0.0 0.0  0:00.20
kblockd/0

 16 root      20  0    0    0    0 S 0.0 0.0  0:00.00
kacpid

 17 root      20  0    0    0    0 S 0.0 0.0  0:00.00
kacpi_notify

 18 root      20  0    0    0    0 S 0.0 0.0  0:00.00
kacpi_hotplug

 19 root      20  0    0    0    0 S 0.0 0.0  0:00.00
ata/0

 20 root      20  0    0    0    0 S 0.0 0.0  0:00.00
ata_aux

 21 root      20  0    0    0    0 S 0.0 0.0  0:00.00
khubd

 22 root      20  0    0    0    0 S 0.0 0.0  0:00.00
kseriod

 24 root      15 -5    0    0    0 S 0.0 0.0  0:00.00
kslowd000

```

25	root	15	-5	0	0	0	S	0.0	0.0	0:00.00
kslowd001										
26	root	20	0	0	0	0	S	0.0	0.0	0:00.01
khungtaskd										
27	root	20	0	0	0	0	S	0.0	0.0	0:00.00
kswapd0										
28	root	25	5	0	0	0	S	0.0	0.0	0:00.00
ksmd										
29	root	20	0	0	0	0	S	0.0	0.0	0:00.00
aio/0										
30	root	20	0	0	0	0	S	0.0	0.0	0:00.00
crypto/0										
34	root	20	0	0	0	0	S	0.0	0.0	0:00.00
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
pciehpdp_0000:37										
46	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
47	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
48	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
49	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
50	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
51	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
52	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
53	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
54	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
55	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
56	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
57	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
58	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
59	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:37										
60	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:48										
61	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehpdp_0000:48										
62	root	20	0	0	0	0	S	0.0	0.0	0:00.00

pciehpdp_0000:48

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

pciehpdp_0000:48

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

pciehpdp_0000:48

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

pciehpdp_0000:48

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

pciehpdp_0000:48

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

pciehpdp_0000:48

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

pciehpdp_0000:48

69	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

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
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:48

74	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:48

75	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:48

76	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:59

77	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:59

78	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:59

79	root	20	0	0	0	0	S	0.0	0.0	0:00.00
----	------	----	---	---	---	---	---	-----	-----	---------

pciehpdp_0000:59

80	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
81	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
82	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
83	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
84	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
85	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
86	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
87	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
88	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
89	root	20	0	0	0	0	S	0.0	0.0	0:00.00	pciehp_d_0000:59
90	root	20	0	0	0	0	S	0.0	0.0	0:00.03	pciehp_d_0000:59
91	root	20	0	0	0	0	S	0.0	0.0	0:00.01	pciehp_d_0000:59
93	root	20	0	0	0	0	S	0.0	0.0	0:00.00	uio/0
94	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kpsmoused
95	root	20	0	0	0	0	S	0.0	0.0	0:00.00	usbhid_resumer
114	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kstriped
529	root	20	0	0	0	0	S	0.0	0.0	0:00.00	scsi_eh_0

530	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_1											
539	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
khvcd											
567	root	20	0	0	0	0	S	0.0	0.0	0:00.07	jbd2/vda1-8
568	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-unwrit
618	root	16	-4	4576	1100	432	S	0.0	0.1	0:00.08	
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	20	0	23252	1140	772	S	0.0	0.1	0:00.00	sshd
1551	root	20	0	11120	836	676	S	0.0	0.1	0:00.00	xinetd
1583	root	20	0	7012	1096	572	S	0.0	0.1	0:00.35	crond
1595	root	20	0	148m	4268	2928	S	0.0	0.4	0:00.13	libvirtd
1664	root	20	0	3992	392	312	S	0.0	0.0	0:00.00	agetty
1690	root	20	0	3992	388	312	S	0.0	0.0	0:00.00	agetty
1692	root	20	0	3992	392	312	S	0.0	0.0	0:00.00	agetty
1715	root	18	-2	4572	1064	400	S	0.0	0.1	0:00.00	udev
1716	root	18	-2	4572	976	312	S	0.0	0.1	0:00.00	udev
1724	root	20	0	0	0	0	S	0.0	0.0	0:00.00	jbd2/vdb1- 8
1725	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio- unwrit
1727	root	20	0	144m	11m	3860	S	0.0	1.2	0:04.96	pm
1732	root	20	0	201m	7916	4004	S	0.0	0.8	0:00.65	bios_fpd
1733	root	20	0	110m	4776	2792	S	0.0	0.5	0:00.14	calv_alarm_mgr
1734	root	20	0	424m	19m	5652	S	0.0	1.9	8:20.74	ccc_driver
1735	root	20	0	172m	16m	3188	S	0.0	1.7	0:04.05	cm

1736	root	20	0	83668	2916	1864	S	0.0	0.3	0:00.67
debug_client										
1737	root	20	0	120m	9472	2200	S	0.0	0.9	0:00.71
ds										
1738	root	20	0	106m	3068	1920	S	0.0	0.3	0:00.64
dumper										
1739	root	20	0	266m	11m	5088	S	0.0	1.2	0:06.72
envmon										
1740	root	20	0	429m	16m	6060	S	0.0	1.7	0:28.45
esd										
1741	root	20	0	197m	8192	4900	S	0.0	0.8	0:02.28
inst_agent										
1742	root	20	0	165m	7552	3932	S	0.0	0.7	0:01.25
led_mgr										
1743	root	20	0	90160	3340	2136	S	0.0	0.3	0:01.99
ntp_helper										
1744	root	20	0	175m	7472	4152	S	0.0	0.7	0:02.82
obfl_mgr										
1745	root	20	0	112m	3608	2332	S	0.0	0.4	0:01.69
obfl_show										
1746	root	20	0	238m	28m	4140	S	0.0	2.9	0:00.79
sdr_mgr										
1747	root	20	0	359m	19m	7116	S	0.0	2.0	0:12.10
shelf_mgr										
1748	root	20	0	102m	4008	2584	S	0.0	0.4	0:00.97
ship_server										
1749	root	20	0	338m	16m	7192	S	0.0	1.7	7:22.68
slice_manager										
1750	root	20	0	99584	3280	2108	S	0.0	0.3	0:01.69
ssh_key_client										
1751	root	20	0	140m	4204	2620	S	0.0	0.4	0:54.73
syslogd_helper										
1752	root	20	0	102m	3604	2432	S	0.0	0.4	0:00.65
timezone_notify										

```

1753 root      20  0 146m 7864 3864 S 0.0 0.8  0:01.68
vm_manager

1754 root      20  0 121m 6680 2464 S 0.0 0.7  0:06.02
wdmon

1782 root      20  0 37860 2528 1912 S 0.0 0.3  0:00.00
ssh

2012 root      20  0 28176 1488 1160 S 0.0 0.1  0:00.26
ntpd

4680 root      20  0   0   0   0 S 0.0 0.0  0:00.05 flush-
252:32

7469 root      20  0   0   0   0 S 0.0 0.0  0:00.00 flush-
252:0

7521 root      20  0 3852 392 316 S 0.0 0.0  0:00.00
sleep

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

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

```

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

WORD Fully qualified location specification

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

Wed Nov 27 15:55:14.736 UTC

Computing times...348 processes; 1904 threads;

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

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

Time: Wed Nov 27 15:55:16.911 UTC

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

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

<cr>

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

Wed Nov 27 15:56:40.661 UTC

Sorry, that node can't be found

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

Wed Nov 27 15:56:46.461 UTC

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

RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/1/CPU0

Wed Nov 27 15:56:57.012 UTC

Sorry, that node can't be found

Cisco NCS справочные руководства команды маршрутизатора серии 6000

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- [Справочник по командам управления системой для Cisco NCS маршрутизатор серии 6000, выпуск 5.0. x](#)