この資料は Cisco IOS ® XR リリース 5.0.1 で Ciscoネットワーク 統合 システム（NCS）を Cisco IOS XR の他のリリースを実行する Cisco Carrier Routing System （CRS）ルータと比較されて変更した 6000 のプラットフォーム 独立 した CLI コマンド記述したものです。

この資料は Cisco IOS XR について詳しく知って、どんな CLI 変更が NCS 6008 およびリリース 5.0.1 と行ったか理解したいと思うだれでものために意図されています。

> **注** この資料によってはプラットフォームに変更した当たりません でしたりまたは NCS 6008 プラットフォームのためにとりわけ作成されませんでした依存した（PD）コマンドが。

前提条件

要件

シスコでは、次の項目について高度な知識があることを推奨しています。

- Cisco IOS XR CLI コマンド
- NCS 6008 アーキテクチャ

使用するコンポーネント

この資料は Cisco IOS XR リリース 5.0.1 に制限 されます NCS 6008 で実行する。

このドキュメントの情報は、特定のラボ環境にあるデバイスに基づいて作成されたものです。 このドキュメントで使用するすべてのデバイスは、クリアな（デフォルト）設定で作業を開始しています。 ネットワークが稼働中の場合は、コマンドが及ぼす潜在的な影響を十分に理解しておく必要があります。

このマニュアルの使用方法

この資料にリストされている NCS 6008 Platfom 独立 したコマンドは NCS 6008 および Cisco IOS XR リリース 5.0.1 のために変更しました。 各コマンドはアルファベット順にリストされています。 変更の概略、また特定の違いに関する追加詳細は提供されます。 各コマンドは適切なコマンド レファレンスガイドに利用可能 な場合リンクされます。

例 CLI は出力し、CRS CLI 出力との比較はコマンドの多数のために含まれています。

マイナーまたはメジャーの重要性は各コマンドのために読者がマイナー な構文だけ、オプション、または出力変更であるそれらからの重要 な 変更を識別するのを助けるために指定されました。

付加

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの付加セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： オプションは Execモードから利用できます。

詳細: 遠隔地からのホストに接続するために、System Admin EXEC および XR Execモードで**付加 location コマンドを**使用して下さい。 このオペレーションは Cisco IOS XR リリース 5.0.1 の System Admin （SysAdmin）および XR 仮想計算機（VM）の分離による CRS プラットフォームの**実行 attach コマンド**とわずかに異なります。 各ラインカードおよび Route Processor （RP）に関しては、そこに System Admin VM および XR VM のためのホスト シェルを存在 します。

重要性: マイナー

ここに XR VM からのラインカードか RP にどのように接続するかです:

```
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
```

ここに SysAdmin VM からのラインカードか RP にどのように接続するかです:

```
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#
```

クリア コンテキスト

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの[クリア コンテキスト](#) セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： マイナー な動作変更があります。

詳細: それに同じ CLI オプションがあります。

重要性: マイナー

copy

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの[コピー](#) セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： いくつかのオプションは利用できません。 SysAdmin VM および XR VM の間でコピーすることは困難です。

詳細: FTP は XR VM コピー CLI の下のファイル転送のためにサポートされます。

SysAdmin VM および XR VM ファイルシステムは別途です。 SysAdmin におよび XR 両方 VM に**ハードディスクが**あります: そして **disk0:** ディレクトリ。 またはコピーするか、ときインストールは **disk0** からパッケージを追加します: または**ハードディスク**: 、XR VM （ISO、オプションのパッケージ、XR SMUs）からインストールされているパッケージは XR VM ファイルシステムにコピーする必要があります。 それらがインストールを追加するオペレーションを行う前に SysAdmin VM SMUs は Admin VM ファイルシステムにコピーされます。

重要性: Major

```
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
```

記述して下さい

要約： マイナー な出力変更があります。 コマンドは XR VM と SysAdmin VM で利用できます。

コマンド 出力は NCS-6008 の CRS の XR コマンドを vs 実行するのに必要とされる TaskIDs へのいくつかの変更があることを示します。

詳細: 記述しなさい時 SysAdmin VM で、それはたらきますいくつかのコマンドのためにない他のために使用されます。 このコマンド 出力の SysAdmin VM バージョンは SysAdmin VM のコマンドを実行するために呼出される Linux Operating System （OS）コマンドを表示する。 SysAdmin VM コマンドを実行するために TaskIDs が使用されないので記述出力は SysAdmin VM で使用されたときその情報が含まれていません。

重要性: マイナー

```
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-MSC, 140G-MSC, 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

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの dumpcore セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： CLI オプションおよび動作へ小変更があります。

詳細: プロセス corehelper はダンプの代りに使用されます。 dumpcore 実行が NCS で実行されるとき、crashinfo がダンプによって syslog に書かれていないので syslog に減らされた出力があります。

重要性: マイナー

```
RP/0/RP0/CPU0:NCS6008-A#dumpcore ?
 running    Perform a core dump for a running process
 suspended  Suspend the process while generating core and resume afterwards

RP/0/RP0/CPU0:NCS6008-A#dumpcore running  admin-cli-proxy-xr_static
Sat Jan 31 23:54:27.345 UTC
```

```
Dump core Succeeded

RP/0/RP0/CPU0:Jan 31 23:54:27.422 : corehelper[139]: dump_core starts, only one
core is dumped at a time
RP/0/RP0/CPU0:Jan 31 23:54:27.600 : corehelper[139]: Copied core
admin-cli-proxy-xr_static.14548.by.user.19700131-235427.xr-vm_node0_RP0_CPU0.9e781.core.gz
to 0/RP0/CPU0:/misc/disk1
RP/0/RP0/CPU0:Jan 31 23:54:27.601 : corehelper[139]: Deleted core file
admin-cli-proxy-xr_static.14548.by.user.19700131-235427.xr-vm_node0_RP0_CPU0.9e781.core.gz.

RP/0/RP0/CPU0:CRS-J#dumpcore running bgp
Fri Nov 15 17:56:33.834 UTC

RP/0/RP0/CPU0:Nov 15 17:56:33.852 : dumper[61]: %OS-DUMPER-7-DUMP_REQUEST :
Dump request for process pkg/bin/bgp
RP/0/RP0/CPU0:Nov 15 17:56:33.853 : dumper[61]: %OS-DUMPER-7-DUMP_ATTRIBUTE :
Dump request with attribute 7 for process pkg/bin/bgp
RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-4-CORE_INFO :
Core for pid = 549148 (pkg/bin/bgp) requested by pkg/bin/dumper_gen@node0_RP0_CPU0
RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-7-PROC_PAGES :
Process memory pages 581
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-6-FALLBACK_CHOICE :
Fall back choice:  0(harddisk:/dumper) in use
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
           EDI      ESI  EBP(fp)      EXX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R0   1031b8bc  041ff980  041ff95c  e899ab58
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
           EBX      EDX      ECX      EAX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R4   1031b99c  082657da  041ff8dc  0000000e
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
       EIP(pc)       CS      EFL      ESP
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R8   082657da  000000f3  80001202  041ff8dc
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
            SS
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
  R12  000000fb
RP/0/RP0/CPU0:Nov 15 17:56:33.857 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#0  0x82657da
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#1  0x81ef5d3
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#2  0x81f1605
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#3  0x81f287b
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#4  0xb439fb4
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#5  0x424d770
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
```

```
#6  0x4202080
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-INSTALL_PKG_SHOW_FAILED :
active installed packages show failed:  Information not available
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO_HEAD :
DLL path    Text addr.  Text size   Data addr.  Data size   Version
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libplatform.dll  0x08178000  0x0000a000  0x08182000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libsysmgr.dll  0x08186000  0x00018000  0x0819e000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcerrno.dll  0x0819f000  0x00003000  0x081a2000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libios.dll  0x081a3000  0x0002f000  0x081d2000
0x00002000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libss_common.dll  0x081d4000  0x00007000  0x081db000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinfra.dll  0x081dc000  0x0003e000  0x0821a000
0x00003000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libltrace.dll  0x0821d000  0x0000b000  0x08228000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_platform_infra_ltrace.dll  0x08229000  0x00001000
0x0822a000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcsemlock.dll  0x0822b000  0x00003000  0x0822e000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpcds.dll  0x08233000  0x00008000  0x0823b000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libc.dll  0x08241000  0x0007c000  0x082bd000  0x00003000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_procfs_util.dll  0x082c6000  0x00004000
0x082ca000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libsyslog.dll  0x082cb000  0x00004000  0x082cf000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libbackplane.dll  0x082d0000  0x00002000  0x082d2000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnodeid.dll  0x082d3000  0x00009000  0x082dc000
0x00002000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpackage.dll  0x08341000  0x00062000  0x083a3000
0x00002000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libdebug.dll  0x083ba000  0x0000f000  0x083c9000
```

```
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnotify.dll  0x08400000  0x00030000  0x08430000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinst_debug.dll  0x08431000  0x00003000  0x08434000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_shmwin_pl_vm.dll  0x08444000  0x00001000
0x08445000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_mutex_monitor.dll  0x08453000  0x00002000
0x08455000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libshmwin.dll  0x08456000  0x00012000  0x08468000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcci_client.dll  0x085de000  0x0000b000  0x085e9000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcci_hal.dll  0x085ea000  0x0000e000  0x085f8000
0x00002000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libtlv.dll  0x08c75000  0x00004000  0x08c79000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_i2c_client_api.dll  0x08d9a000  0x00012000
0x08dac000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdb.dll  0x08e00000  0x0003e000
0x08e3e000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbutils.dll  0x08e3f000  0x00012000
0x08e51000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libship.dll  0x08e80000  0x00007000  0x08e87000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd_notif.dll  0x08e88000  0x00008000
0x08e90000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpkgfs_query.dll  0x08ea9000  0x00002000
0x08eab000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libshmalloc.dll  0x08ebc000  0x00005000  0x08ec1000
0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libredcon.dll  0x08ec2000  0x00006000
0x08ec8000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket_common.dll  0x08ee1000  0x00015000
0x08ef6000  0x00001000        0
```

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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
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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
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RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librp_isolation.dll  0x0a152000
0x00002000  0x0a154000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnsr_platform.dll  0x0a1dc000  0x00003000
0x0a1df000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi_ifh.dll  0x0a1fb000  0x00005000
0x0a200000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libhfr_spp_client.dll  0x0a235000  0x00006000
0x0a23b000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi_util.dll  0x0a24c000  0x00002000
0x0a24e000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxipc.dll  0x0a26f000  0x00004000
0x0a273000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attr_util.dll  0x0a2af000
0x00002000  0x0a2b1000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnsr_qad_client.dll  0x0a2cd000
0x00008000  0x0a2d5000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv6_acl.dll  0x0a2db000  0x0001a000
0x0a2f5000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libimattrclient.dll  0x0a2f9000
0x00018000  0x0a311000  0x00002000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4_acl.dll  0x0a315000  0x00023000
0x0a338000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv6_acl_support.dll  0x0a354000
0x00004000  0x0a358000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libpcl.dll  0x0a359000  0x00021000
0x0a37a000  0x00002000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4_acl_support.dll  0x0a395000
0x00002000  0x0a397000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv6_ma_las.dll  0x0a39a000
0x00008000  0x0a3a2000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbsd_addr_presentation.dll  0x0a3ee000
0x00002000  0x0a3f0000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipv4.dll  0x0a406000  0x00008000
0x0a40e000  0x00001000        0
RP/0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
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/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
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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
```

続いて下さい

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの続セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： 出力と共にオプション変更。

重要性: マイナー

install

詳細については **Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンス**のインストール セクションを参照して下さい。

要約： 出力と共にオプション変更があります。 XR VM および SysAdmin VM モード両方で利用可能。

詳細: リリース 5.0.1 は XR VM からのルータのための単一 システム アップグレード インストール プロシージャしかサポートしません。 SysAdmin VM および XR VM のためのリリースの別途のインストールはソフトウェアメンテナンス アップデート（SMU）インストールを除いてリリース 5.0.1 で、サポートされません。 各 VM のための SMUs は正しい VM から（SysAdmin か XR）インストールする必要があります。 オプションのパッケージは XR VM からインストールする必要があります。

インストールはコマンドオプションを追加されますアップグレード/メンテナンス ダウンタイムを短縮するために**準備します**。 **インストールが**コマンドを必要となりません**準備します**。

インストール打ち切る オプションは非難されました。 それを将来サポートする計画がありません。

インストール ロールバックはリリース 5.0.1 で取除かれました。 リリースへのフォールバック/ロールバックはように他のどのインストール プロセスも扱われます。

インストールが必要とならないし、ですリリース 5.0.1 で暗示**託します**。 **インストール commit コマンドは**託が自動であるのでリリース 5.0.1 で利用できますが、必要ではないです。

リリース 5.2.1 では、**インストールは**暗示であることを停止します**託し、ために**明示的 な**インストールを託します**必要として下さい。

未来のリリースでは、**ロールバックをインストールする**機能は**インストール commit コマンド**への変更と共にもたらされます。

重要性: Major

```
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
```

プロセスを監視して下さい

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの[モニタ Processes セクションを](#)、詳細についてはリリース 5.0.x 参照して下さい。

要約： マイナー な オプションおよび出力変更があります。

詳細: 位置 オプションは利用できません。

重要性: マイナー

```
 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

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの [show configuration](#) セクションを、詳細についてはリリース 5.0.x 参照して下さい。

要約： show configuration コマンド出力は標準的な XR と異なっています。

詳細: 利用可能 な キーワードは SysAdmin VM のために変更しました。 XR VM のためのキーワードは標準的な XR と同様に変わりません。

重要性: マイナー

XR VM -従来の IOS-XR と同じ

```
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 - （オプションとして示されているキーワードだけを託して下さい）:

```
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

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの show context セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： 重要 な 変更は CLI オプションへありません。 マイナー な CLI 出力変更。

詳細: コア ファイルが保存されるディレクトリは常に表示する（**ハードディスク:** デフォルトで）。 crashinfo ファイルはコア ファイルと同じディレクトリにデフォルトで書かれていないし、**disk0:/core** ディレクトリに保存されます。 **show context コマンド**および関連する crashinfo ファイル（.txt）は NCS 6008 のクラッシュ プロセスの各スレッドのための backtrace およびレジスタ 情報が含まれています

重要性: マイナー

```
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:    0xfffffffffffffffc
rbx:    0x18
rcx:    0xffffffffffffffff
rdx:    0x40
rsi:    0x7fff640b9c40
rdi:    0x18
rbp:    0x7fff640b9fc0
rsp:    0x7fff640b9b90
r8:     0x0
r9:     0x200000
r10:    0xffffffff
r11:    0x293
r12:    0xbaef70
r13:    0x7fff640bb180
r14:    0x0
r15:    0x0
rip:    0x7fe0a588c683
eflags: 0x293
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0


Backtrace for Thread 2117
#0  0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1  0x00007fe0aa343636 in msg_receivev+0x29d from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2  0x000000000041483a in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#3  0x00007fe0a57c6cce in __libc_start_main+0xfe from
/lib64/libc-2.12.so
```

```
#4  0x0000000000405869 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd


Registers for Thread 2366
rax:    0xfffffffffffffe00
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:    0xfffffffffffffffc
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:    0xfffffffffffffffc
rbx:    0x1
rcx:    0xffffffffffffffff
rdx:    0x40
rsi:    0x7fe08eb6abb0
rdi:    0x4
rbp:    0x7fe08eb6aee0
rsp:    0x7fe08eb6aa60
r8:     0x7fe0ab44a4a0
r9:     0x941
r10:    0xffffffff
r11:    0x293
r12:    0x0
r13:    0xb00001
r14:    0x4
r15:    0x3b
rip:    0x7fe0a588c683
eflags: 0x293
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0
```

```
Backtrace for Thread 2369
#0  0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1  0x00007fe0aa34fc0c in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2  0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so


Registers for Thread 2370
rax:    0xfffffffffffffffc
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:    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:    0xfffffffffffffffc
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:    0xffffffffffffffff
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:    0xffffffffffffffff
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:    0xfffffffffffffffc
rbx:    0xbb6290
rcx:    0xffffffffffffffff
rdx:    0x20
rsi:    0xbb6560
rdi:    0x1f
rbp:    0xbb6520
rsp:    0x7fe08efa0b40
r8:     0x1
r9:     0x9f0
r10:    0xffffffff
r11:    0x293
r12:    0xbb6560
r13:    0xd
r14:    0x0
r15:    0xbb6520
rip:    0x7fe0a588c683
eflags: 0x293
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0


Backtrace for Thread 2544
#0  0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1  0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1
#2  0x00007fe0a276d076 in event_base_loop+0x1c6 from
/usr/lib64/libevent-2.0.so.5.0.1
#3  0x00007fe0a29a2a52 in levm_block+0x2a from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
```

```
#4  0x00007fe0aa36d216 in event_block+0x500 from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#5  0x0000000000411de1 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#6  0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#7  0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so


Registers for Thread 2545
rax:    0x0
rbx:    0x7fe086ba82b0
rcx:    0xffffffffffffffff
rdx:    0x626380
rsi:    0x0
rdi:    0x7fe08ed1ca00
rbp:    0x7fe08ed1eee0
rsp:    0x7fe08ed1c980
r8:     0x20305550432f30
r9:     0x6320612064657473
r10:    0x20666f2068736172
r11:    0x293
r12:    0x7fe08ed1cbc0
r13:    0x7fe08ed1ca20
r14:    0x1
r15:    0x0
rip:    0x7fe0a584feed
eflags: 0x293
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0


Backtrace for Thread 2545
#0  0x00007fe0a584feed in __nanosleep+0x2d from /lib64/libc-2.12.so
#1  0x0000000000413316 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#2  0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3  0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so


Registers for Thread 2546
rax:    0xfffffffffffffffc
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:    0xfffffffffffffffc
rbx:    0x7fe08ec1ce20
rcx:    0xffffffffffffffff
rdx:    0x0
rsi:    0x0
rdi:    0x7fe08ec1ce20
rbp:    0x7fe08ec1ceac
rsp:    0x7fe08ec1be50
r8:     0x0
r9:     0x80
r10:    0x8
r11:    0x246
r12:    0x7fe08ec1cbf5
r13:    0x7fe08ec1cbf5
r14:    0x7fe0ab673040
r15:    0x7fe08ec1bf70
rip:    0x7fe0a57dba08
eflags: 0x246
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0
```

```
Backtrace for Thread 2547
#0  0x00007fe0a57dba08 in sigwait+0xc8 from /lib64/libc-2.12.so
#1  0x0000000000416b9d in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#2  0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3  0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so


Registers for Thread 2548
rax:    0xfffffffffffffffc
rbx:    0x7fe08e7cde20
rcx:    0xffffffffffffffff
rdx:    0x0
rsi:    0x0
rdi:    0x7fe08e7cde20
rbp:    0x7fe08e7cdeac
rsp:    0x7fe08e7cd5d0
r8:     0x0
r9:     0x80
r10:    0x8
r11:    0x246
r12:    0xc1a6c0
r13:    0x7fe08e7cd6c0
r14:    0xa5
r15:    0x7fe08e7cdaf0
rip:    0x7fe0a57dba08
eflags: 0x246
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0


Backtrace for Thread 2548
#0  0x00007fe0a57dba08 in sigwait+0xc8 from /lib64/libc-2.12.so
#1  0x000000000041547d in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#2  0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3  0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so


Registers for Thread 2549
rax:    0xfffffffffffffffc
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:    0xfffffffffffffffc
rbx:    0x8
rcx:    0xffffffffffffffff
rdx:    0x20
rsi:    0x7fe08e1b7d30
rdi:    0x4d
rbp:    0x7fe08e1b7ee0
rsp:    0x7fe08e1b7a70
r8:     0x0
r9:     0x0
r10:    0xffffffff
r11:    0x293
r12:    0x1
r13:    0x7fe08e1b7d48
r14:    0x4d
r15:    0x51
rip:    0x7fe0a588c683
eflags: 0x293
cs:     0x33
ss:     0x2b
ds:     0x0
es:     0x0
fs:     0x0
gs:     0x0
```

```
Backtrace for Thread 3289
#0  0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1  0x00007fe0aa32f8a6 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2  0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3  0x00500001fccc920a in ?? ()



Mapping information
2117:   syslogd
0000000000400000    148K r-x--  /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000625000      8K rw---  /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000627000     48K rw---    [ anon ]
0000000000b4e000    880K rw---    [ anon ]
0000000080000000   1920K ---s-  /dev/zero (deleted)
00000000801e0000     40K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/header
00000000801ea000     24K ---s-  /dev/zero (deleted)
00000000801f0000     36K rw-s-  /dev/shm/dev/shmem/shmwin/im_db/header
00000000801f9000     28K ---s-  /dev/zero (deleted)
0000000080200000     36K rw-s-  /dev/shm/dev/shmem/shmwin/im_rd/header
0000000080209000 147624K ---s-  /dev/zero (deleted)
0000000089233000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x89233000
000000008923b000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x8923b000
0000000089243000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x89243000
000000008924b000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x8924b000
0000000089253000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x89253000
000000008925b000      8K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x8925b000
000000008925d000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x8925d000
0000000089265000     32K rw-s-  /dev/shm/dev/shmem/shmwin/im_rules/0x89265000
000000008926d000   1024K r--s-  /dev/shm/dev/shmem/shmwin/im_db/0x8926d000
000000008936d000   1024K rw-s-  /dev/shm/dev/shmem/shmwin/im_rd/0x8936d000
000000008946d000    104K rw-s-  /dev/shm/dev/shmem/shmwin/im_rd/0x8946d000
0000000089487000   4328K ---s-  /dev/zero (deleted)
00000000898c1000    104K r--s-  /dev/shm/dev/shmem/shmwin/im_db/0x898c1000
00000000898db000 1940628K ---s-  /dev/zero (deleted)
00007fe0868dc000 122072K rw-s-  /dev/shm/logging_buffer
00007fe08e012000     56K rw-s-  /dev/shmem/ltrace/shmwin/lib/err_b1_oaef
00007fe08e020000     16K rw-s-  /dev/shmem/ltrace/shmwin/lib/err
00007fe08e024000    160K rw-s-  /dev/shm/cdm_aqsm_services_db
00007fe08e04c000    864K ---s-  /dev/shm/cdm_aqsm_services_db
00007fe08e124000     40K rw-s-  /dev/shmem/ltrace/lwmlib/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
00007fe08fc1a000   2048K -----
```

```
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fe1a000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fe1b000      4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe08fe1c000   2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe09001b000      4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe09001c000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09001d000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09021c000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09021d000     56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09022b000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09042b000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09042c000      4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09042d000   2048K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09062d000      4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09062e000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09062f000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09082e000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09082f000    156K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090856000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090a56000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090a58000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090a5e000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090c5d000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090c5e000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090c65000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090e64000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090e65000     16K r-x--
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe090e69000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe091068000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe091069000    144K r-x--  /usr/lib64/libfuse.so.2.8.7
00007fe09108d000   2048K -----  /usr/lib64/libfuse.so.2.8.7
00007fe09128d000     72K rw---  /usr/lib64/libfuse.so.2.8.7
00007fe09129f000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe0912a0000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe09149f000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe0914a0000      4K rw---    [ anon ]
00007fe0914a1000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0914a2000   2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0916a2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0916a3000     16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0916a7000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0918a6000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0918a7000      4K rw---    [ anon ]
00007fe0918a8000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe0918ab000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe091aaa000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe091aab000     32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091ab3000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091cb2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091cb3000     28K rw---    [ anon ]
00007fe091cba000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091cbb000   2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091ebb000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091ebc000      4K rw---    [ anon ]
00007fe091ebd000     32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe091ec5000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
```

```
00007fe0920c4000      8K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe0920c6000      4K rw---    [ anon ]
00007fe0920c7000      8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0920c9000   2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0922c9000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0922ca000     20K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0922cf000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0924ce000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0924cf000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0924d0000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0926cf000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0926d0000     24K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0926d6000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0928d6000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0928d7000     16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe0928db000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe092ada000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe092adb000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092adc000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092cdb000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092cdc000     16K r-x--
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwdlib.so
00007fe092ce0000   2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwdlib.so
00007fe092ee0000      4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwdlib.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/libsdr_invmgr_capi_proto.so
00007fe0936f9000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsdr_invmgr_capi_proto.so
00007fe0938f8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsdr_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_fwdlib.so
00007fe097df4000   2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwdlib.so
00007fe097ff4000      4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwdlib.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-- 
/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/libsdr_invmgr_capi.so
00007fe09b318000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsdr_invmgr_capi.so
00007fe09b517000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsdr_invmgr_capi.so
00007fe09b518000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b519000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b718000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b719000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b71b000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91a000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91b000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09b91c000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1b000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1c000     40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bb26000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd25000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd26000     32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bd2e000   2048K -----
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2f000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09bf35000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c135000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c136000     24K rw---    [ anon ]
00007fe09c13c000     12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c13f000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33e000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33f000    100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c358000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c557000     12K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c55a000    148K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c57f000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c77e000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c781000     44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c78c000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98c000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98d000     28K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09c994000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb94000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb95000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cb96000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd95000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd96000     20K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cd9b000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9a000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
```

```
00007fe09cf9b000     32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09cfa3000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a3000     80K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d1b7000   2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b7000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b8000     52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d3c5000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c5000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c6000     12K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d5c9000   2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c8000      4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c9000     60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d7d8000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d9000     12K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09d9dc000   2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdb000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdc000      8K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dbde000   2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dddd000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09ddde000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dddf000   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/libsymsrv.so
00007fe0a0eae000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsymsrv.so
00007fe0a10ad000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsymsrv.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/libsld.so
00007fe0a6b76000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsld.so
00007fe0a6d75000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsld.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/aqsmlib/190/errors
00007fe0ab493000     12K rw-s-  /dev/shmem/ltrace/aqsmlib/190/debug
00007fe0ab496000     12K rw-s-  /dev/shmem/ltrace/aqsmlib/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 ]
ffffffffff600000      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
```

dll を示して下さい

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの提示 dll セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： オプション変更および出力変更があります。

詳細: pid キーワードだけ suuported。 位置 キーワードは取除かれます。

重要性: マイナー

```
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 ファブリック

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの show controller ファブリック セクションを参照して下さい。

要約： 表示コマンド キーワードは変更されます。

詳細: バンドル、接続および**サマリ** キーワードのためのサポートは取除かれます。 **fsdb 集約機能**および fsdb **サーバ** キーワードのためのサポートは追加されます。 出力のほとんどは非常に類似したです。

Trace キーワードを除くすべての show コマンドは SysAdmin VM にあります。

重要性: マイナー

```
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

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの show environment セクションを参照して下さい。

要約： 出力された変更およびコマンド キーワード変更があります。

詳細: LED および**表** キーワードのためのサポートは取除かれます。 サポートは FOT **現在の**キーワード追加されます。 出力は表面上異なっています。 出力はスライス情報ごとに含んでいます。

重要性: マイナー

```
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>
```

ファイルシステムを示して下さい

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの[提示ファイルシステム](#) セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： CLI 出力と共にオプション変更があります。

詳細: 提示ファイルシステム disk0: コマンドはより長く動作しません。 コマンドは SysAdmin VM から利用できません。 コマンドは admin モードからの同じ情報および CRS のない NCS 6008 の exec を表示するものです。

重要性: マイナー

```
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
```

インストールを示して下さい

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの提示インストール セクションを参照して下さい。

要約： 出力変更と共にキーワード オプション変更があります。

詳細: 準備および**リポジトリ** キーワードのためのサポートは追加されます。 **サマリ** キーワードのためのサポートは取除かれます。

重要性: Major

```
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
```

コンポーネントを示して下さい

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの提示コンポーネント セクションを参照して下さい。

要約： キーワード変更と共に出力された変更があります。

詳細: Trace キーワードのためのサポートは取除かれます。 他のほとんどのディスプレイおよび functionallity は同じです。

提示コンポーネント コマンドは XR VM か SysAdmin VM から実行することができ、両方の VM で同じような出力を示します。 XR VM の**提示コンポーネント**出力は SysAdmin VM から実行されたときこの情報は含まれていないがラインカードにインストールされる光カードのための PID およびシリアル番号を表示するものです。

重要性: Major

```
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>
```

メディアを示して下さい

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの提示メディア セクションを、詳細については**リリース 5.0.x** 参照して下さい。

要約： CLI 出力変更があります。

詳細: Disk0: NCS 6000 の起動ディスクとして使用されません。 **rootfs:** パーティションは XR および SysAdmin 両方 VM のためのブート パーティションです。 ブート パーティションは SysAdmin VM の XR VM および 2.9G のための 3.9G です。 **rootfs:** 各 VM のためのパーティションはルートプロセッサの 32GB ソリッド ステート ドライブ（SSD）ドライブから切り分けられます。 **ハードディスク:** 各 VM のためのパーティションはルートプロセッサの 200GB SSD ドライブから切り分けられます。

重要性: Major

```
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.
                  Image   Current  Part
 Mountpoint       FsType  FsType   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

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの [show memory](#) **セクションを、詳細については リリース 5.0.x 参照して下さい。**

要約： CLI 出力と共にオプション変更があります。

詳細: メモリアーキテクチャは NCS 6008 とかなり変更されます。 その結果、**show memory** コマンドの CLI 出力への多くの変更があります。 CLI コマンド オプション変更はマイナーです。

重要性: マイナー

```
 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

Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンスの [show]

processes セクションを、詳細についてはリリース 5.0.x 参照して下さい。

要約： サポートされるオプションとまたいくつかのオプションのための出力に小変更があります。

詳細: 提示 pidin キーワードはもはやサポートされません。

重要性: マイナー

```
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

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの提示プラットフォーム セクションを参照して下さい。

要約： 追加キーワード オプションおよび出力変更があります。

詳細: show platform コマンドは XR か SysAdmin VM から実行することができます。

XR VM: vm キーワードのためのサポートは追加されました。

NCS 6000 で、コマンドは標準的な XR でが、XR VM からのファブリック、ファンおよび電源モジュール 情報を表示するものです。 標準的な XR のコンポーネントのそれらの型についての情報を得るために、コマンドは admin モードから実行する必要があります。

SysAdmin VM: Detail キーワードは状態についてのその他の情報を提供し、システムでノードのために情報を起動するために追加されました。 キーワードが追加される**スライス**のためにサポートして下さい。

重要性: Major

```
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               1OC768-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               1OC768-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>
```

再度ブートするを示して下さい

要約： XR VM および SysAdmin VM の分離が原因で、**提示 reboot コマンドは** NG-XR で変更し

ました。

詳細: XR VM の下で、各アクティブな回線カード/RP のための XR VM の再度ブートする履歴を表示できます。

SysAdmin VM の下で、各アクティブな回線カード/RP のための SysAdmin VM の再度ブートする履歴はラインカード/RP 自体のための再度ブートする履歴と共に SysAdmin VM が実際のラインカードのリロードなしでリブートすることができること）、表示することができます（再呼び出し。

重要性: マイナー

```
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>
```

SDRinvmgr を示して下さい

要約： これは新たに追加されたコマンドの XR + Sysadmin VM です。

詳細: これに新しい操作上動作があります。

重要性: Major

show tech-support

要約： コマンド キーワード オプション変更が付いている出力された変更があります

詳細: これらの **show tech-support** キーワードのために取除かれます NCS 6000 でサポートして下さい:

- aipcproxy
- ATM
- コール ホーム
- chdlc
- 構成グループ
- コントローラ

- 暗号
- ファビオ
- frame-relay
- ipinfra
- lrd
- onep
- プラットフォーム
- 肋骨
- svd
- sysmgr
- トンネル IP

これらの admin モード **show tech-support** キーワードのためのサポートは NCS 6000 で取除かれます:

- ASIC
- バンドル
- cfgmgr
- コントロール イーサネット
- 診断
- dsc
- ees
- 健康診断
- invmgr
- issu
- ライセンス
- lrd
- nrs
- pcie
- shelfmgr
- sysdb
- sysmgr

これらの **show tech-support** キーワードのためにです NCS 6008 で、しかしない CRS で利用可能サポートして下さい:

- ファブリック- NCS 6008 の XR VM
- インストール- NCS 6008 の XR VM
- lwm - NCS 6008 の XR VM
- npu - NCS 6008 の XR VM
- processmgr - NCS 6008 の XR VM
- rdm - NCS 6008 の XR VM
- SDRinvmgr - NCS 6008 の XR VM

これらの SysAdmin VM **show tech-support** キーワードのためのサポートは NCS 6000 で、しかしない CRS で利用できます:

- alarm_mgr
- all

- ccc
- confd
- envmon
- fpd
- obfl
- pm
- sdr_mgr
- shelf_mgr
- slice_manager
- syslog

重要性: マイナー

```
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 requred 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 requred 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

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの show version セクションを参照して下さい。

要約： 主要な出力変更があります。

詳細: 出力は別の OS 構造による NCS 6008 で非常に簡素化されます。

重要性: マイナー

```
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#
```

上

詳細については Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンスの上セクションを参照して下さい。

要約： キーワード オプションおよび出力への変更があります。 コマンドは SysAdmin 両方 VM および XR VM で利用できます。

詳細: dumbtty のためのキーワード 位置は CLI で移動されます。 NCS 6000 で、上はラインカードの位置と間、CRS で規定 することができます。 それはラインカード 位置のためにはたらきません。

重要性: マイナー

```
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
pciehpd_0000:00

  35 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  36 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  37 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  38 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  39 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  40 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  41 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  42 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  43 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:00

  44 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  45 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  46 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  47 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  48 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37
```

```
  49 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  50 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  51 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  52 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  53 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  54 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  55 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  56 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  57 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  58 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  59 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:37

  60 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  61 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  62 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  63 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  64 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  65 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

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

```
pciehpd_0000:48

  67 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  68 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  69 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  70 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  71 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  72 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  73 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  74 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  75 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:48

  76 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  77 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  78 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  79 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  80 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  81 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  82 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  83 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59
```

```
  84 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  85 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  86 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  87 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  88 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  89 root      20   0     0    0    0 S  0.0  0.0   0:00.00
pciehpd_0000:59

  90 root      20   0     0    0    0 S  0.0  0.0   0:00.03
pciehpd_0000:59

  91 root      20   0     0    0    0 S  0.0  0.0   0:00.01
pciehpd_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
udevd

 1716 root      18  -2  4572  976  312 S  0.0  0.1   0:00.00
udevd

 1724 root      20   0     0    0    0 S  0.0  0.0   0:00.00 jbd2/vdb1-
8

 1725 root      20   0     0    0    0 S  0.0  0.0   0:00.00 ext4-dio-
unwrit

 1727 root      20   0  144m  11m 3860 S  0.0  1.2   0:04.96
pm

 1732 root      20   0  201m 7916 4004 S  0.0  0.8   0:00.65
bios_fpd

 1733 root      20   0  110m 4776 2792 S  0.0  0.5   0:00.14
calv_alarm_mgr

 1734 root      20   0  424m  19m 5652 S  0.0  1.9   8:20.74
ccc_driver

 1735 root      20   0  172m  16m 3188 S  0.0  1.7   0:04.05
cm

 1736 root      20   0 83668 2916 1864 S  0.0  0.3   0:00.67
debug_client

 1737 root      20   0  120m 9472 2200 S  0.0  0.9   0:00.71
ds

 1738 root      20   0  106m 3068 1920 S  0.0  0.3   0:00.64
dumper

 1739 root      20   0  266m  11m 5088 S  0.0  1.2   0:06.72
envmon
```

```
 1740 root      20   0  429m  16m 6060 S  0.0  1.7   0:28.45
esd

 1741 root      20   0  197m 8192 4900 S  0.0  0.8   0:02.28
inst_agent

 1742 root      20   0  165m 7552 3932 S  0.0  0.7   0:01.25
led_mgr

 1743 root      20   0 90160 3340 2136 S  0.0  0.3   0:01.99
ntp_helper

 1744 root      20   0  175m 7472 4152 S  0.0  0.7   0:02.82
obfl_mgr

 1745 root      20   0  112m 3608 2332 S  0.0  0.4   0:01.69
obfl_show

 1746 root      20   0  238m  28m 4140 S  0.0  2.9   0:00.79
sdr_mgr

 1747 root      20   0  359m  19m 7116 S  0.0  2.0   0:12.10
shelf_mgr

 1748 root      20   0  102m 4008 2584 S  0.0  0.4   0:00.97
ship_server

 1749 root      20   0  338m  16m 7192 S  0.0  1.7   7:22.68
slice_manager

 1750 root      20   0 99584 3280 2108 S  0.0  0.3   0:01.69
ssh_key_client

 1751 root      20   0  140m 4204 2620 S  0.0  0.4   0:54.73
syslogd_helper

 1752 root      20   0  102m 3604 2432 S  0.0  0.4   0:00.65
timezone_notify

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

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

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

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

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

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

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

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

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

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

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

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

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

RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/0/CPU0
Wed Nov 27 15:56:40.661 UTC
Sorry, that node can't be found
RP/0/RP0/CPU0:CRS-J(admin)#show plat
Wed Nov 27 15:56:46.461 UTC
Node          Type               PLIM                State           Config State
------------- ----------------- ------------------ --------------- ---------------
0/0/CPU0      MSC-140G           20-10GbE           IOS XR RUN      PWR,NSHUT,MON
0/1/SP        MSC(SP)            N/A                IOS XR RUN      PWR,NSHUT,MON
0/1/CPU0      MSC                Jacket Card        IOS XR RUN      PWR,NSHUT,MON
0/1/0         MSC(SPA)           OC192RPR-XFP       OK              PWR,NSHUT,MON
0/1/1         MSC(SPA)           8X1GE              OK              PWR,NSHUT,MON
0/1/2         MSC(SPA)           10X1GE             OK              PWR,NSHUT,MON
```

```
0/6/SP        MSC(SP)          N/A              IOS XR RUN      PWR,NSHUT,MON
0/6/CPU0      MSC              4-10GbE          IOS XR RUN      PWR,NSHUT,MON
0/7/SP        MSC(SP)          N/A              IOS XR RUN      PWR,NSHUT,MON
0/7/CPU0      MSC              1OC768-POS       IOS XR RUN      PWR,NSHUT,MON
0/RP0/CPU0    RP(Active)       N/A              IOS XR RUN      PWR,NSHUT,MON
0/RP1/CPU0    RP(Standby)      N/A              IOS XR RUN      PWR,NSHUT,MON
0/SM0/SP      FC-140G/S(SP)    N/A              IOS XR RUN      PWR,NSHUT,MON
0/SM1/SP      FC-140G/S(SP)    N/A              IOS XR RUN      PWR,NSHUT,MON
0/SM2/SP      FC-140G/S(SP)    N/A              IOS XR RUN      PWR,NSHUT,MON
0/SM3/SP      FC-140G/S(SP)    N/A              IOS XR RUN      PWR,NSHUT,MON
RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/1/CPU0
Wed Nov 27 15:56:57.012 UTC
Sorry, that node can't be found
```

Cisco NCS 6000 シリーズ ルータ コマンドレファレンスガイド

- Cisco NCS 6000 シリーズ ルータのためのシステム 管理 コマンドレファレンス
- Cisco NCS 6000 シリーズ ルータのためのシステム管理 コマンドレファレンス、リリース 5.0.x