

Änderungen bei CLI-Befehlen für die NCS 6008-Plattform

Einführung

Dieses Dokument beschreibt die Cisco Network Convergence System (NCS) 6000 Platform Independent CLI Commands in Cisco IOS[®] XR Release 5.0.1, die sich im Vergleich zu den Cisco Carrier Routing System (CRS) Routern geändert haben, die andere Versionen von Cisco IOS XR ausführen.

Dieses Dokument richtet sich an alle, die mit Cisco IOS XR vertraut sind und wissen möchten, welche CLI-Änderungen mit NCS 6008 und Version 5.0.1 vorgenommen wurden.

Hinweis: Dieses Dokument behandelt keine Befehle von Plattformabhängigen (Platform Dependent, PD), die speziell für die NCS 6008-Plattform geändert oder erstellt wurden.

Voraussetzungen

Anforderungen

Cisco empfiehlt, dass Sie sich mit den folgenden Themen vertraut machen:

- Kommandozeilenbefehle für Cisco IOS XR
- NCS 6008-Architektur

Verwendete Komponenten

Dieses Dokument ist auf Cisco IOS XR Version 5.0.1 beschränkt, die auf dem NCS 6008 ausgeführt wird.

Die Informationen in diesem Dokument wurden von den Geräten in einer bestimmten Laborumgebung erstellt. Alle in diesem Dokument verwendeten Geräte haben mit einer leeren (Standard-)Konfiguration begonnen. Wenn Ihr Netzwerk in Betrieb ist, stellen Sie sicher, dass Sie die potenziellen Auswirkungen eines Befehls verstehen.

Verwendung dieses Dokuments

Die in diesem Dokument aufgeführten Befehle für die NCS 6008-Plattform unabhängig wurden für NCS 6008 und Cisco IOS XR Version 5.0.1 geändert. Jeder Befehl wird in alphabetischer Reihenfolge aufgeführt. Eine Zusammenfassung der Änderungen sowie zusätzliche Details zu den spezifischen Unterschieden werden bereitgestellt. Jeder Befehl ist, sofern verfügbar, mit der

entsprechenden Befehlsreferenz verknüpft.

CLI-Beispielausgabe und Vergleiche mit CRS CLI-Ausgaben sind für viele Befehle enthalten.

Für jeden Befehl wurde eine Bedeutung von Minor oder Major festgelegt, um dem Leser zu helfen, signifikante Änderungen zu identifizieren, die nur von geringfügigen Syntaxänderungen, Optionen oder Ausgabeänderungen abweichen.

befestigen

Weitere Informationen finden Sie im [Abschnitt zum Hinzufügen](#) der **Systemverwaltungs-Befehlsreferenz für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Die Option ist im EXEC-Modus verfügbar.

Details Um von einem Remote-Standort aus eine Verbindung zu einem Host herzustellen, verwenden Sie den Befehl **Attach Location** im System Admin EXEC- und XR EXEC-Modus. Dieser Vorgang unterscheidet sich geringfügig vom Befehl für die **Ausführung Attach** auf der CRS-Plattform aufgrund der Trennung von System Admin (SysAdmin) und XR Virtual Machines (VMs) in Cisco IOS XR Version 5.0.1. Für jede Linecard und jeden Routingprozessor (RP) gibt es eine Host-Shell für das System Admin VM und das XR VM.

Bedeutung: Geringfügig

So fügen Sie eine Linecard oder einen RP von XR VM an:

```
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/RP1/CPU0
Mon Jan 20 10:04:08.287 UTC
[xr-vm_node0_RP1_CPU0:~]$ export PS1=#
#
#
#exit
```

So fügen Sie eine Linecard oder einen RP von der SysAdmin VM an:

```
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#
```

klarer Kontext

Weitere Informationen finden Sie im [Klartext](#)-Abschnitt der **Systemverwaltungs-Befehlsreferenz für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Es gibt geringfügige Verhaltensänderungen.

Details Es verfügt über dieselben CLI-Optionen.

Bedeutung: Geringfügig

kopieren

Version 5.0.x enthält im [Abschnitt "copy" der Befehlsreferenz für die Systemverwaltung für den Cisco NCS Router der Serie 6000](#) weitere Informationen.

Zusammenfassung: Einige Optionen sind nicht verfügbar. Das Kopieren zwischen SysAdmin VM und XR VM ist schwierig.

Details FTP wird für die Dateiübertragung unter XR VM Copy CLI unterstützt.

Die Dateisysteme SysAdmin VM und XR VM sind separat. Sowohl die SysAdmin- als auch die XR-VMs verfügen über **Festplattenlaufwerke:** und **disk0:** Verzeichnisse. Beim Kopieren oder Installieren von Paketen von **disk0:** oder **harddisk:** die Pakete, die von der XR VM installiert werden (iso, optionale Pakete, XR SMUs) müssen in das XR VM Dateisystem kopiert werden. SysAdmin VM SMUs werden in das Admin VM-Dateisystem kopiert, bevor sie den Installationsvorgang durchführen.

Bedeutung: Wichtig

```
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
```

beschreiben

Zusammenfassung: Es gibt geringfügige Ausgabeänderungen. Der Befehl ist in XR VM und in SysAdmin VM verfügbar.

Die Befehlsausgabe gibt an, dass einige Änderungen an den Task-IDs erforderlich sind, um XR-Befehle auf einem CRS im Vergleich zum NCS-6008 auszuführen.

Details Wenn in der SysAdmin VM **beschrieben** wird, funktioniert es für einige Befehle, aber nicht für andere. Die SysAdmin VM-Version dieser Befehlsausgabe zeigt den Befehl Linux Operating System (OS) an, der aufgerufen wird, um den Befehl in SysAdmin VM auszuführen. Da TaskIDs nicht zum Ausführen von SysAdmin VM-Befehlen verwendet werden, enthält die beschreibende Ausgabe diese Informationen bei Verwendung in SysAdmin VM nicht.

Bedeutung: Geringfügig

```
RP/0/RP1/CPU0:NCS6008-A#describe show install active
The command is defined in instmgr_cmd.parser
```

User needs ALL of the following taskids:

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

```
It will take the following actions:
Thu Jun 25 08:40:38.485 UTC
```

Spawn the process:
sdr_instcmd show install active

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

The command is defined in instmgr_cmds.parser

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

Package:

iosxr-infra

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

Vendor : Cisco Systems

Desc : IOS-XR Infra Package Definition

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

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

for pie

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

Restart information:

Default:

parallel impacted processes restart

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

Component:

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

File:

instmgr_cmds.parser

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

File type : Default

Remotely-hosted : No

Local view : /pkg/parser/instmgr_cmds.parser

Local install path : /disk0/iosxr-infra-4.3.1/0x100008/parser/instmgr_cmds.parser

(Compressed)

Central install path : /disk0/iosxr-infra-4.3.1/0x100008/parser/instmgr_cmds.parser

(Compressed)

Uncompressed size : 116KB

Compressed size : 45KB

Uncompressed MD5 : 697582f5d5318bf583b5c3329adad088

Compressed MD5 : ef9cad3bf493e9f8173520b513a7c777

User needs ALL of the following taskids:

pkg-mgmt (READ)

It will take the following actions:

Tue Feb 11 21:57:54.803 UTC

Spawn the process:

instcmd show install active

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

sysadmin-vm:0_RP1# describe show media

Thu Jun 25 09:09:59.573 UTC

Common

Source : clispec

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

Callback [os command]

OS command : /opt/cisco/calvados/confd/etc/confd/scripts/show_media.sh

Help

display media info

Info
display media info

```
sysadmin-vm:0_RP1# run
Thu Jun 25 09:14:45.756 UTC
[sysadmin-vm:0_RP1:~]$ /opt/cisco/calvados/confd/etc/confd/scripts/show_media.sh
```

```
-----
Partition                Size      Used  Percent   Avail
-----
rootfs:                   2.9G     480M    18%     2.3G
log:                      494M     103M    22%     366M
config:                   494M      24M     6%     445M
disk0:                    965M      25M     3%     892M
harddisk:                 37G      1.5G     5%      34G
-----
```

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

Dummy

Weitere Informationen finden Sie im [Dumcore](#)-Abschnitt der **Systemverwaltungs-Befehlsreferenz für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Die Optionen und das Verhalten der CLI werden geringfügig geändert.

Details Anstelle des Dumpers wird die Prozessleitfläche verwendet. Wenn auf dem NCS Dumcore ausgeführt wird, wird die Ausgabe in den Syslogs reduziert, da der Crashinfo vom Dumper nicht in das Syslog geschrieben wird.

Bedeutung: Geringfügig

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

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

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

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

```
RP/0/RP0/CPU0:Nov 15 17:56:33.852 : dumper[61]: %OS-DUMPER-7-DUMP_REQUEST :
Dump request for process pkg/bin/bgp
RP/0/RP0/CPU0:Nov 15 17:56:33.853 : dumper[61]: %OS-DUMPER-7-DUMP_ATTRIBUTE :
Dump request with attribute 7 for process pkg/bin/bgp
RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-4-CORE_INFO :
Core for pid = 549148 (pkg/bin/bgp) requested by pkg/bin/dumper_gen@node0_RP0_CPU0
RP/0/RP0/CPU0:Nov 15 17:56:33.854 : dumper[61]: %OS-DUMPER-7-PROC_PAGES :
```

Process memory pages 581

RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-6-FALLBACK_CHOICE :
Fall back choice: 0(harddisk:/dumper) in use
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
EDI ESI EBP(fp) EXX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
R0 1031b8bc 041ff980 041ff95c e899ab58
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
EBX EDX ECX EAX
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
R4 1031b99c 082657da 041ff8dc 0000000e
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
EIP(pc) CS EFL ESP
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
R8 082657da 000000f3 80001202 041ff8dc
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
SS
RP/0/RP0/CPU0:Nov 15 17:56:33.856 : dumper[61]: %OS-DUMPER-7-REGISTERS_INFO :
R12 000000fb
RP/0/RP0/CPU0:Nov 15 17:56:33.857 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#0 0x82657da
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#1 0x81ef5d3
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#2 0x81f1605
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#3 0x81f287b
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#4 0xb439fb4
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#5 0x424d770
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-TRACE_BACK :
#6 0x4202080
RP/0/RP0/CPU0:Nov 15 17:56:33.862 : dumper[61]: %OS-DUMPER-7-INSTALL_PKG_SHOW_FAILED :
active installed packages show failed: Information not available
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO_HEAD :
DLL path Text addr. Text size Data addr. Data size Version
RP/0/RP0/CPU0:Nov 15 17:56:33.864 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libplatform.dll 0x08178000 0x0000a000 0x08182000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libsystemgr.dll 0x08186000 0x00018000 0x0819e000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcerrno.dll 0x0819f000 0x00003000 0x081a2000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libbios.dll 0x081a3000 0x0002f000 0x081d2000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libss_common.dll 0x081d4000 0x00007000 0x081db000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinfra.dll 0x081dc000 0x0003e000 0x0821a000
0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.865 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libltrace.dll 0x0821d000 0x0000b000 0x08228000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_platform_infra_ltrace.dll 0x08229000 0x00001000
0x0822a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcsemlock.dll 0x0822b000 0x00003000 0x0822e000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :

/hfr-os-4.1.2/0x100008/lib/libpcds.dll 0x08233000 0x00008000 0x0823b000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/lib/libc.dll 0x08241000 0x00007c000 0x082bd000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_procfs_util.dll 0x082c6000 0x00004000
0x082ca000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libsyslog.dll 0x082cb000 0x00004000 0x082cf000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libbackplane.dll 0x082d0000 0x00002000 0x082d2000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnodeid.dll 0x082d3000 0x00009000 0x082dc000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.866 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpackage.dll 0x08341000 0x000062000 0x083a3000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libdebug.dll 0x083ba000 0x0000f000 0x083c9000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnotify.dll 0x08400000 0x00030000 0x08430000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libinst_debug.dll 0x08431000 0x00003000 0x08434000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_shmwin_pl_vm.dll 0x08444000 0x00001000
0x08445000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_mutex_monitor.dll 0x08453000 0x00002000
0x08455000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libshmwin.dll 0x08456000 0x00012000 0x08468000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcci_client.dll 0x085de000 0x0000b000 0x085e9000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libcci_hal.dll 0x085ea000 0x0000e000 0x085f8000
0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.867 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libtlv.dll 0x08c75000 0x00004000 0x08c79000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_i2c_client_api.dll 0x08d9a000 0x00012000
0x08dac000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdb.dll 0x08e00000 0x0003e000
0x08e3e000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbutils.dll 0x08e3f000 0x00012000
0x08e51000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libship.dll 0x08e80000 0x00007000 0x08e87000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd_notif.dll 0x08e88000 0x00008000
0x08e90000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpkgfs_query.dll 0x08ea9000 0x00002000

0x08eab000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libshmalloc.dll 0x08ebc000 0x00005000 0x08ec1000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libredcon.dll 0x08ec2000 0x00006000
0x08ec8000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.868 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket_common.dll 0x08ee1000 0x00015000
0x08ef6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libgroup.dll 0x08ef7000 0x0001b000
0x08f12000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libgsputils.dll 0x08f24000 0x0000c000
0x08f30000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-base-4.1.2/0x100008/lib/redcon_plfm.dll 0x08fa3000 0x00003000
0x08fa6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libinfra_nsr.dll 0x0901f000 0x00008000
0x09027000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-base-4.1.2/0x100008/lib/lib_cctl_client_api.dll 0x0903d000
0x0001d000 0x0905a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_tlvlib.dll 0x09219000 0x00003000
0x0921c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbag.dll 0x09223000 0x00007000
0x0922a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-base-4.1.2/0x100008/lib/libfabaddr.dll 0x09267000 0x00003000
0x0926a000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libens.dll 0x09283000 0x00010000
0x09293000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.869 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/lib_spp_client.dll 0x092ac000 0x00012000
0x092be000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnrsutils.dll 0x09337000 0x00005000
0x0933c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket.dll 0x093dc000 0x00012000 0x093ee000
0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnrs.dll 0x094a0000 0x00007000
0x094a7000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libifmgr.dll 0x09778000 0x00042000
0x097ba000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :
Choice 0() either not configured or bad path at <3524>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libim_util.dll 0x097c4000 0x00021000
0x097e5000 0x00009000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :
Choice 1() either not configured or bad path at <3384>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librpc.dll 0x09800000 0x00008000
0x09808000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :

Choice 2() either not configured or bad path at <3384>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libasync.dll 0x09840000 0x0000d000
0x0984d000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.870 : dumper[61]: %OS-DUMPER-6-BAD_PATH :
Choice 3() either not configured or bad path at <3384>. Trying next choice.
RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libcbp.dll 0x0984e000 0x00007000
0x09855000 0x00001000 0

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

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

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

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libiparmtlv.dll 0x09b0d000 0x00002000
0x09b0f000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.871 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbackend_sysdb.dll 0x09b4c000
0x00006000 0x09b52000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbackend_parser.dll 0x09b53000
0x00003000 0x09b56000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libwd_evm.dll 0x09b83000 0x00004000
0x09b87000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-fwding-4.1.2/0x100008/lib/lib_ppfi_buffhdr.dll 0x09b88000
0x00014000 0x09b9c000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/hfr-fwding-4.1.2/0x100008/lib/libhfr_buffhdr_hal.dll 0x09b9d000
0x00004000 0x09ba1000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libsysdbhelper.dll 0x09c1d000
0x00004000 0x09c21000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi.dll 0x0a0fc000 0x0000d000
0x0a109000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi_util.dll 0x0a11b000 0x00003000
0x0a11e000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.872 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libpacket_netio.dll 0x0a13e000 0x0000b000
0x0a149000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi_dbg.dll 0x0a14a000 0x00002000
0x0a14c000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/librp_isolation.dll 0x0a152000
0x00002000 0x0a154000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libnsr_platform.dll 0x0a1dc000 0x00003000
0x0a1df000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libpfi_ifh.dll 0x0a1fb000 0x00005000
0x0a200000 0x00001000 0

RP/0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/hfr-os-4.1.2/0x100008/lib/libhfr_spp_client.dll 0x0a235000 0x00006000
0x0a23b000 0x00001000 0

RP0/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

RP0/RP0/CPU0:Nov 15 17:56:33.873 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxipc.dll 0x0a26f000 0x00004000
0x0a273000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attr_util.dll 0x0a2af000
0x00002000 0x0a2b1000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libnsr_qad_client.dll 0x0a2cd000
0x00008000 0x0a2d5000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip6_acl.dll 0x0a2db000 0x0001a000
0x0a2f5000 0x00001000 0

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

RP0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip4_acl.dll 0x0a315000 0x00023000
0x0a338000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.874 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip6_acl_support.dll 0x0a354000
0x00004000 0x0a358000 0x00001000 0

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

RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip4_acl_support.dll 0x0a395000
0x00002000 0x0a397000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip6_ma_las.dll 0x0a39a000
0x00008000 0x0a3a2000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libbsd_addr_presentation.dll 0x0a3ee000
0x00002000 0x0a3f0000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libip4.dll 0x0a406000 0x00008000
0x0a40e000 0x00001000 0

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

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

RP0/RP0/CPU0:Nov 15 17:56:33.875 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip4_rib.dll 0x0a9cf000 0x00014000
0x0a9e3000 0x00001000 0

RP0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/lib_ip6_rib.dll 0x0ab5a000 0x0000f000
0x0ab69000 0x00001000 0

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

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

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

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

RP0/RP0/CPU0:Nov 15 17:56:33.876 : dumper[61]: %OS-DUMPER-7-DLL_INFO :

```
/disk0/iosxr-routing-4.1.2/0x100008/lib/librasf.dll 0x0ad1b000 0x0000a000
0x0ad25000 0x00001000 0
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/liblbsd.dll 0x0ae04000 0x0000c000
0x0ae10000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_util_common.dll 0x0b433000
0x0001a000 0x0b44d000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_debug.dll 0x0b44f000
0x0000b000 0x0b45a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_sysdb_util.dll 0x0b45c000
0x00018000 0x0b474000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af_lib.dll 0x0b477000
0x00009000 0x0b480000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_import.dll 0x0b481000
0x00017000 0x0b498000 0x00077000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-5-CORE_FILE_NAME :
Core for process pkg/bin/bgp at harddisk:
/dumper/first.bgp_1036.by.dumper_gen.node0_RP0_CPU0.x86.Z on local_node
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_db.dll 0x0b50f000
0x00009000 0x0b518000 0x00003000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.878 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attr_extcomm.dll 0x0b533000
0x00004000 0x0b537000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vrf_util.dll 0x0b538000
0x00012000 0x0b54a000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af.dll 0x0b54c000 0x0000f000
0x0b55b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_table.dll 0x0b55c000 0x00039000
0x0b595000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.879 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_nbr.dll 0x0b597000 0x0000a000
0x0b5a1000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
```

```
/disk0/iosxr-infra-4.1.2/0x100008/lib/librsi_prod.dll 0x0b5a2000 0x00004000
0x0b5a6000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_policy.dll 0x0b5a7000 0x00010000
0x0b5b7000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libpcl_vl_0_ora.dll 0x0b5b8000
0x00003000 0x0b5bb000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_sysdb.dll 0x0b5bc000 0x00034000
0x0b5f0000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libtcp_sso_client.dll 0x0b5f2000
0x00005000 0x0b5f7000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_aggregate.dll 0x0b5f8000
0x0000e000 0x0b606000 0x0003a000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.880 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_rib.dll 0x0b640000 0x00026000
0x0b666000 0x00002000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_rib_lookup.dll 0x0b668000
0x00003000 0x0b66b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_import.dll 0x0b66c000 0x00014000
0x0b680000 0x00006000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_scanner.dll 0x0b686000 0x0002b000
0x0b6b1000 0x0000a000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_label.dll 0x0b6bb000 0x0001a000
0x0b6d5000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv4_unicast.dll 0x0b6d6000
0x00003000 0x0b6d9000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vpnv4_unicast.dll 0x0b6da000
0x00003000 0x0b6dd000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.881 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_unicast.dll 0x0b6de000
0x00003000 0x0b6e1000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_vpnv6_unicast.dll 0x0b708000
0x00003000 0x0b70b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libxp.dll 0x0b70c000 0x0001f000
0x0b72b000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libdom.dll 0x0b72c000 0x00004000
0x0b730000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/cisco_ipv6_lib.dll 0x0b731000
0x00003000 0x0b734000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libl2vpn_ad.dll 0x0b735000 0x00007000
0x0b73c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_addr_cache.dll 0x0b75a000
0x00003000 0x0b75d000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.882 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv4_common.dll 0x0b787000
0x0000b000 0x0b792000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
```

```
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_af_common.dll 0x0b793000
0x00002000 0x0b795000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-routing-4.1.2/0x100008/lib/libbgp_ipv6_common.dll 0x0b811000
0x0000b000 0x0b81c000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-infra-4.1.2/0x100008/lib/libip_bgp_attrbag.dll 0x0b88e000
0x00002000 0x0b890000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:33.883 : dumper[61]: %OS-DUMPER-7-DLL_INFO :
/disk0/iosxr-fwding-4.1.2/0x100008/lib/libipt_biscuit_bgp.dll 0x0b891000
0x00005000 0x0b896000 0x00001000 0
RP/0/RP0/CPU0:Nov 15 17:56:37.049 : dumper[61]: %OS-DUMPER-5-DUMP_SUCCESS :
Core dump success
RP/0/RP0/CPU0:Nov 15 17:56:37.420 : dumper[61]: %OS-DUMPER-6-CORE_MD5 :
harddisk:/dumper/first.bgp_1036.by.dumper_gen.node0_RP0_CPU0.x86.Z has just
been written. size:16907006 md5:ef2cd0fd4c45c434c03f858974033543
```

folgen

Im [folgenden](#) Abschnitt der **Befehlsreferenz zur Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**, finden Sie weitere Informationen.

Zusammenfassung: Die Optionen ändern sich zusammen mit der Ausgabe.

Bedeutung: Geringfügig

installieren

Weitere Informationen finden Sie im [Installationsabschnitt](#) der **Systemadministrationsbefehlsreferenz für die Cisco NCS Router der Serie 6000**.

Zusammenfassung: Neben der Ausgabe werden auch Optionen geändert. Erhältlich sowohl im XR VM- als auch im SysAdmin VM-Modus.

Details Version 5.0.1 unterstützt nur ein einziges System-Upgrade-Installationsverfahren für den Router von der XR VM. Eine separate Installation einer Version für das SysAdmin VM und das XR VM wird in Version 5.0.1 nicht unterstützt, mit Ausnahme der Installation von Software Maintenance Update (SMU). SMUs für jede VM (SysAdmin oder XR) müssen vom richtigen VM installiert werden. Optionale Pakete müssen von der XR VM installiert werden.

Der Befehl **install prepare (Installationsvorbereitung)** wird hinzugefügt, um die Ausfallzeiten für Upgrades/Wartung zu reduzieren. Der Befehl **install prepare** ist nicht erforderlich.

Die Option **Install Abort** wurde veraltet. Es gibt keine Pläne, dies in Zukunft zu unterstützen.

Das Installations-Rollback wurde in Version 5.0.1 entfernt. Ein Fallback/Rollback zu einer Version wird wie jeder andere Installationsprozess behandelt.

Das Installieren von Commit ist in Version 5.0.1 nicht erforderlich und implizit. Der Befehl **install commit** ist in Version 5.0.1 verfügbar, wird aber nicht benötigt, da der Commit automatisch ausgeführt wird.

In Version 5.2.1 wird die **Installation des Commit** beendet und erfordert einen expliziten **Installations-Commit**.

In einer zukünftigen Version wird die Möglichkeit zur **Installation von Rollback** zusammen mit der Änderung des Befehls **install commit** eingeführt.

Bedeutung: Wichtig

```
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
```

Überwachungsprozesse

Weitere Informationen finden Sie im Abschnitt [Überwachungsprozesse](#) der **Befehlsreferenz für die Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Es gibt geringfügige Optionen und Ausgabeänderungen.

Details Die Standortoption ist nicht verfügbar.

Bedeutung: Geringfügig

```
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>
```

Konfiguration anzeigen

Weitere Informationen finden Sie im Abschnitt [show configuration](#) in der **Befehlsreferenz zur Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Die Ausgabe des Befehls **show configuration** unterscheidet sich vom klassischen XR.

Details Die verfügbaren Schlüsselwörter für die SysAdmin VM haben sich geändert. Die Schlüsselwörter für das XR VM bleiben die gleichen wie für das klassische XR.

Bedeutung: Geringfügig

XR VM - identisch mit traditionellem IOS-XR

```
RP/0/RP1/CPU0:NCS6k#show config ?
backup System configuration backup information
commit Show commit information
failed Contents of failed configuration
history Display history of configuration events (up to 1500 events)
inconsistency Configuration inconsistencies
lock Configuration lock
persistent Show persistent configuration
removed Display configuration removed during install operations
rollback Show rollback information
running-config Current operating configuration
sessions Users with active configuration sessions
trace Show trace data for config shell
```

SysAdmin VM - (Nur Commit-Schlüsselwort als Option angezeigt):

```
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
```

Kontext anzeigen

Weitere Informationen finden Sie im [Abschnitt show context](#) der **Systemverwaltungs-Befehlsreferenz für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Die CLI-Optionen werden nicht wesentlich geändert. Geringfügige Änderungen an der CLI-Ausgabe.

Details Das Verzeichnis, in dem die Core-Datei gespeichert wird, wird nicht immer angezeigt (**Festplatte:** Standardmäßig). Die Crashinfo-Dateien werden standardmäßig nicht in dasselbe Verzeichnis wie die Kerndateien geschrieben und im **disk0:/core**-Verzeichnis gespeichert. Der Befehl **show context** und die zugehörige Crashinfo-Datei (.txt) enthalten Rückverfolgungs- und Registrierungsinformationen für jeden Thread des Absturzprozesses auf dem NCS 6008.

Bedeutung: Geringfügig

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

Wed Feb 19 12:25:31.999 UTC

node: node0_RP0_CPU0

Core for pid = 2117 (syslogd)

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

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

Process:

Core was generated by `syslogd`.

Signal information:

Program terminated with signal 11, Segmentation fault.

Faulting thread: 2117

Registers for Thread 2117

rax: 0xfffffffffffffc

rbx: 0x18

rcx: 0xffffffffffff

rdx: 0x40

rsi: 0x7fff640b9c40

rdi: 0x18

rbp: 0x7fff640b9fc0

rsp: 0x7fff640b9b90

r8: 0x0

r9: 0x200000

r10: 0xffffffff

r11: 0x293

r12: 0xbaef70

r13: 0x7fff640bb180

r14: 0x0

r15: 0x0

rip: 0x7fe0a588c683

eflags: 0x293

cs: 0x33

ss: 0x2b

ds: 0x0

es: 0x0

fs: 0x0

gs: 0x0

Backtrace for Thread 2117

#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so

#1 0x00007fe0aa343636 in msg_receivev+0x29d from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so

#2 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: 0xffffffffffffe00

rbx: 0x7fe0ab5b0bf0

rcx: 0xffffffffffff

rdx: 0x7fe0ab5b0bac

rsi: 0x7fe0ab5b0bf0

rdi: 0xa

rbp: 0x7fe0ab5b0c80
rsp: 0x7fe0ab5b0b90
r8: 0x6e
r9: 0x1010101010101010
r10: 0x22
r11: 0x293
r12: 0xa
r13: 0x7fe0ab5b0bac
r14: 0x7fe0ab673040
r15: 0x3
rip: 0x7fe0a588cc4d
eflags: 0x293
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0

Backtrace for Thread 2366

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

Registers for Thread 2367

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

Backtrace for Thread 2367

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

#4 0x02c570128022879a in ?? ()

Registers for Thread 2369

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

Backtrace for Thread 2369

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

Registers for Thread 2370

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

Backtrace for Thread 2370

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

Registers for Thread 2372

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

Registers for Thread 2370

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

Backtrace for Thread 2370

```
#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1 0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1
#2 0x00007fe0a276d076 in event_base_loop+0x1c6 from
/usr/lib64/libevent-2.0.so.5.0.1
#3 0x00007fe0a29a2a52 in levmm_block+0x2a from
```

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

Registers for Thread 2372

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

Backtrace for Thread 2372

```
#0 0x00007fe0a55969ac in pthread_cond_wait@@GLIBC_2.3.2+0xcc from
/lib64/libpthread-2.12.so
#1 0x00007fe0a5b22672 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
```

Registers for Thread 2417

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

ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0

Backtrace for Thread 2417

#0 0x00007fe0a588d52f in accept4+0x5f from /lib64/libc-2.12.so
#1 0x00007fe0ab248557 in backing_thread+0xe2 from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

Registers for Thread 2544

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

Backtrace for Thread 2544

#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1 0x00007fe0a277e236 in ?? () from /usr/lib64/libevent-2.0.so.5.0.1
#2 0x00007fe0a276d076 in event_base_loop+0x1c6 from
/usr/lib64/libevent-2.0.so.5.0.1
#3 0x00007fe0a29a2a52 in levn_block+0x2a from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
#4 0x00007fe0aa36d216 in event_block+0x500 from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#5 0x0000000000411de1 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
#6 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#7 0x00007fe0a588c08d in clone+0x6d from /lib64/libc-2.12.so

Registers for Thread 2545

rax: 0x0
rbx: 0x7fe086ba82b0
rcx: 0xffffffffffffffff
rdx: 0x626380
rsi: 0x0

rdi: 0x7fe08ed1ca00
rbp: 0x7fe08ed1eee0
rsp: 0x7fe08ed1c980
r8: 0x20305550432f30
r9: 0x6320612064657473
r10: 0x20666f2068736172
r11: 0x293
r12: 0x7fe08ed1cbc0
r13: 0x7fe08ed1ca20
r14: 0x1
r15: 0x0
rip: 0x7fe0a584feed
eflags: 0x293
cs: 0x33
ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0

Backtrace for Thread 2545

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

Registers for Thread 2546

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

Backtrace for Thread 2546

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

Registers for Thread 2547

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

Backtrace for Thread 2547

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

Registers for Thread 2548

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

Backtrace for Thread 2548

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

Registers for Thread 2549

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

Backtrace for Thread 2549

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

Registers for Thread 3289

```
rax: 0xffffffffffffffff
rbx: 0x8
rcx: 0xffffffffffffffff
rdx: 0x20
rsi: 0x7fe08e1b7d30
rdi: 0x4d
rbp: 0x7fe08e1b7ee0
rsp: 0x7fe08e1b7a70
r8: 0x0
r9: 0x0
r10: 0xffffffff
r11: 0x293
r12: 0x1
r13: 0x7fe08e1b7d48
r14: 0x4d
r15: 0x51
rip: 0x7fe0a588c683
eflags: 0x293
cs: 0x33
```

ss: 0x2b
ds: 0x0
es: 0x0
fs: 0x0
gs: 0x0

Backtrace for Thread 3289

#0 0x00007fe0a588c683 in epoll_wait+0x33 from /lib64/libc-2.12.so
#1 0x00007fe0aa32f8a6 in ?? () from
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
#2 0x00007fe0a55929bc in start_thread+0xdc from /lib64/libpthread-2.12.so
#3 0x00500001fcc920a in ?? ()

Mapping information

2117: syslogd
0000000000400000 148K r-x-- /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000625000 8K rw--- /opt/cisco/XR/packages/iosxr-os.rp-5.0.1/sbin/syslogd
0000000000627000 48K rw--- [anon]
0000000000b4e000 880K rw--- [anon]
0000000080000000 1920K ---s- /dev/zero (deleted)
00000000801e0000 40K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/header
00000000801ea000 24K ---s- /dev/zero (deleted)
00000000801f0000 36K rw-s- /dev/shm/dev/shmem/shmwin/im_db/header
00000000801f9000 28K ---s- /dev/zero (deleted)
0000000080200000 36K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/header
0000000080209000 147624K ---s- /dev/zero (deleted)
0000000089233000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89233000
000000008923b000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8923b000
0000000089243000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89243000
000000008924b000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8924b000
0000000089253000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89253000
000000008925b000 8K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8925b000
000000008925d000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x8925d000
0000000089265000 32K rw-s- /dev/shm/dev/shmem/shmwin/im_rules/0x89265000
000000008926d000 1024K r--s- /dev/shm/dev/shmem/shmwin/im_db/0x8926d000
000000008936d000 1024K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/0x8936d000
000000008946d000 104K rw-s- /dev/shm/dev/shmem/shmwin/im_rd/0x8946d000
0000000089487000 4328K ---s- /dev/zero (deleted)
00000000898c1000 104K r--s- /dev/shm/dev/shmem/shmwin/im_db/0x898c1000
00000000898db000 1940628K ---s- /dev/zero (deleted)
00007fe0868dc000 122072K rw-s- /dev/shm/logging_buffer
00007fe08e012000 56K rw-s- /dev/shmem/ltrace/shmwin/lib/err_b1_oaef
00007fe08e020000 16K rw-s- /dev/shmem/ltrace/shmwin/lib/err
00007fe08e024000 160K rw-s- /dev/shm/cdm_aqsm_services_db
00007fe08e04c000 864K ---s- /dev/shm/cdm_aqsm_services_db
00007fe08e124000 40K rw-s- /dev/shmem/ltrace/lwmlib/l_syslogd/dbg_b2_o846
00007fe08e12e000 40K rw-s- /dev/shmem/ltrace/lwmlib/l_syslogd/api_b1_o846
00007fe08e138000 4K ----- [anon]
00007fe08e139000 512K rw--- [anon]
00007fe08e1b9000 5120K rw-s- /dev/shm/dev/shmem/sysmgr_shmem
00007fe08e6b9000 56K rw-s- /dev/shmem/ltrace/epm/issu_b1_o803
00007fe08e6c7000 16K rw-s- /dev/shmem/ltrace/epm/issu
00007fe08e6cd000 4K ----- [anon]
00007fe08e6ce000 512K rw--- [anon]
00007fe08e74e000 4K ----- [anon]
00007fe08e74f000 512K rw--- [anon]
00007fe08e7cf000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/file
00007fe08e7d3000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/event
00007fe08e7d7000 16K rw-s- /dev/shmem/ltrace/sysdb/clientlib/suspend
00007fe08e7db000 12K rw-s- /dev/shmem/ltrace/sysdb/clientlib/vicr

00007fe08e7de000	12K	rw-s-	/dev/shmem/ltrace/sysdb/clientlib/edm_access
00007fe08e7e1000	40K	rw-s-	/dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b2_o803
00007fe08e7eb000	40K	rw-s-	/dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b1_o803
00007fe08e7f5000	12K	rw-s-	/dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo
00007fe08e7f8000	12K	rw-s-	/dev/shmem/ltrace/install/insthelper
00007fe08e7fb000	12K	rw-s-	/dev/shmem/ltrace/install/instdir
00007fe08e7fe000	8K	rw-s-	/dev/shmem/ltrace/im/ochn_evt
00007fe08e800000	8K	rw-s-	/dev/shmem/ltrace/im/ochn_msg
00007fe08e802000	136K	rw-s-	/dev/shmem/ltrace/im/client--
00007fe08e824000	8K	rw-s-	/dev/shmem/ltrace/im/register
00007fe08e826000	8K	rw-s-	/dev/shmem/ltrace/im/resync--
00007fe08e828000	8K	rw-s-	/dev/shmem/ltrace/im/replcate
00007fe08e82a000	8K	rw-s-	/dev/shmem/ltrace/im/dpc-----
00007fe08e82c000	8K	rw-s-	/dev/shmem/ltrace/im/attr_chg
00007fe08e82e000	8K	rw-s-	/dev/shmem/ltrace/im/caps_add
00007fe08e830000	8K	rw-s-	/dev/shmem/ltrace/im/ifcreate
00007fe08e832000	12K	rw-s-	/dev/shmem/ltrace/im/if_exist
00007fe08e835000	8K	rw-s-	/dev/shmem/ltrace/im/history-
00007fe08e837000	12K	rw-s-	/dev/shmem/ltrace/im/mgmt----
00007fe08e83a000	8K	rw-s-	/dev/shmem/ltrace/im/sys-fast
00007fe08e83c000	12K	rw-s-	/dev/shmem/ltrace/im/sys-slow
00007fe08e83f000	12K	rw-s-	/dev/shmem/ltrace/im/errors-s
00007fe08e842000	16K	rw-s-	/dev/shmem/ltrace/im/errors-o
00007fe08e846000	12K	rw-s-	/dev/shmem/ltrace/im/errors-i
00007fe08e849000	12K	rw-s-	/dev/shmem/ltrace/install/notify_error
00007fe08e84c000	12K	rw-s-	/dev/shmem/ltrace/install/notify
00007fe08e84f000	4K	-----	[anon]
00007fe08e850000	512K	rw---	[anon]
00007fe08e8d0000	36K	rw-s-	/dev/shmem/ltrace/install/instdir_loadpath_error
00007fe08e8d9000	12K	rw-s-	/dev/shmem/ltrace/install/instdir_loadpath
00007fe08e8dc000	52K	rw-s-	/dev/shmem/ltrace/install/inst_io_error
00007fe08e8e9000	1024K	rw-s-	/dev/shm/cdm_aqsm_services_db
00007fe08e9e9000	4K	-----	[anon]
00007fe08e9ea000	512K	rw---	[anon]
00007fe08ea6a000	4K	-----	[anon]
00007fe08ea6b000	512K	rw---	[anon]
00007fe08eaeb000	4K	-----	[anon]
00007fe08eaec000	512K	rw---	[anon]
00007fe08eb6e000	4K	rw-s-	/dev/shm/dev/shmem/ship_data_0
00007fe08eb6f000	12K	rw-s-	/dev/shmem/ltrace/ip_addr_c_data_trace_190
00007fe08eb72000	12K	rw-s-	/dev/shmem/ltrace/ip_addr_c_ctrl_trace_190
00007fe08eb75000	8K	rw-s-	/dev/shm/dev/shmem/shmwin_svr/window_grp_stats
00007fe08eb77000	80K	rw-s-	/dev/shmem/ltrace/sysdb/clientlib/recon-rst_tmo_b3_o803
00007fe08eb8b000	32K	rw-s-	/dev/shmem/ltrace/aqsmllib/190/debug_b1_o846
00007fe08eb93000	40K	rw-s-	/dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b1_o846
00007fe08eb9d000	4K	-----	[anon]
00007fe08eb9e000	512K	rw---	[anon]
00007fe08ec1e000	4K	-----	[anon]
00007fe08ec1f000	512K	rw---	[anon]
00007fe08ec9f000	4K	-----	[anon]
00007fe08eca0000	512K	rw---	[anon]
00007fe08eefe000	56K	rw-s-	/dev/shmem/ltrace/syslog/slow_b1_o846
00007fe08ef0c000	80K	rw-s-	/dev/shmem/ltrace/lwmlib/1_syslogd/dbg_b3_o846
00007fe08ef20000	4K	rw-s-	/dev/shm/logging_buffer
00007fe08ef21000	4K	-----	[anon]
00007fe08ef22000	512K	rw---	[anon]
00007fe08efa2000	4K	-----	[anon]
00007fe08efa3000	512K	rw---	[anon]
00007fe08f023000	2904K	rw-s-	/dev/shm/tmp/syslogd_msg_header_buffer
00007fe08f2f9000	8K	rw-s-	/dev/shmem/ltrace/syslog/lib/read_error
00007fe08f2fb000	4K	rw-s-	/dev/shm/dev/shmem/ship_data_0
00007fe08f2fc000	32K	rw-s-	/dev/shmem/ltrace/aqsmllib/190/api_b1_o846
00007fe08f304000	8K	rw-s-	/dev/shmem/ltrace/syslog/fast

```
00007fe08f306000      16K rw-s-  /dev/shmem/ltrace/syslog/slow
00007fe08f30a000      16K rw-s-  /dev/shmem/ltrace/syslog/error
00007fe08f30e000     224K rw-s-  /dev/shm/dev/shmem/ship_data_0
00007fe08f346000     132K rw-s-  /dev/shm/dev/shmem/ship_data_0
00007fe08f367000      32K rw-s-  /dev/shmem/ltrace/cdm/190/api_b1_o846
00007fe08f36f000       8K rw-s-  /dev/shmem/ltrace/pfi_ifh/fallback
00007fe08f371000      12K rw-s-  /dev/shmem/ltrace/alm_loc_fast
00007fe08f374000      24K rw-s-  /dev/shmem/ltrace/alm_loc_slow
00007fe08f37a000     112K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libreplicator.so
00007fe08f396000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libreplicator.so
00007fe08f595000       8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libreplicator.so
00007fe08f597000     488K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f611000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f810000      16K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f814000       4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08f815000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08fa14000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libchkpt.so
00007fe08fa15000      16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl.so
00007fe08fa19000     2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl.so
00007fe08fc18000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl.so
00007fe08fc19000       4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fcla000     2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08fela000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_ltracedebug.so
00007fe08felb000       4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe08felc000     2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe09001b000       4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_ifib_platform_com.so
00007fe09001c000       4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09001d000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09021c000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp-5.0.1/lib/liblpts_ifib_platform.so
00007fe09021d000      56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09022b000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09042b000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_mrt.so
00007fe09042c000       4K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09042d000     2048K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09062d000       4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/liblpts_pa_dlvr_list.so
00007fe09062e000       4K r-x--
```

```
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09062f000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09082e000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_ifc.so
00007fe09082f000    156K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090856000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090a56000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libnotify.so
00007fe090a58000     24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090a5e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090c5d000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath_file_mgmt.so
00007fe090c5e000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090c65000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090e64000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libinst_inv.so
00007fe090e65000     16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe090e69000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe091068000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_mem.so
00007fe091069000    144K r-x--  /usr/lib64/libfuse.so.2.8.7
00007fe09108d000    2048K -----  /usr/lib64/libfuse.so.2.8.7
00007fe09128d000     72K rw---  /usr/lib64/libfuse.so.2.8.7
00007fe09129f000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe0912a0000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe09149f000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv6_acl_nh.so
00007fe0914a0000      4K rw---  [ anon ]
00007fe0914a1000      4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0914a2000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0916a2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_ltrace.so
00007fe0916a3000     16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0916a7000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0918a6000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv6_acl_support.so
00007fe0918a7000      4K rw---  [ anon ]
00007fe0918a8000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe0918ab000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe091aaa000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libacl_common.so
00007fe091aab000     32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091ab3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091cb2000      4K rw---
```

```
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_tree.so
00007fe091cb3000      28K rw---    [ anon ]
00007fe091cba000       4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091cbb000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091ebb000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp-5.0.1/lib/libipv4_acl_nh.so
00007fe091ebc000       4K rw---    [ anon ]
00007fe091ebd000      32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe091ec5000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe0920c4000       8K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_edm.so
00007fe0920c6000       4K rw---    [ anon ]
00007fe0920c7000       8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0920c9000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0922c9000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_acl_support.so
00007fe0922ca000      20K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0922cf000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0924ce000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_api.so
00007fe0924cf000       4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0924d0000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0926cf000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ltrace.so
00007fe0926d0000      24K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0926d6000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0928d6000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_ifib.so
00007fe0928d7000     16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe0928db000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe092ada000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_pa.so
00007fe092adb000       4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092adc000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092cdb000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_severity.so
00007fe092cdc000     16K r-x--
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwplib.so
00007fe092ce0000    2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwplib.so
00007fe092ee0000       4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libpanini_fwplib.so
00007fe092ee1000       8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libniantic.so
00007fe092ee3000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libniantic.so
00007fe0930e2000       4K rw---
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libniantic.so
00007fe0930e3000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libipnodeid.so
00007fe0930e4000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libipnodeid.so
00007fe0932e3000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libipnodeid.so
00007fe0932e4000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid_pd.so
00007fe0932e5000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid_pd.so
00007fe0934e4000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid_pd.so
00007fe0934e5000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds_hex_dump.so
00007fe0934e6000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds_hex_dump.so
00007fe0936e5000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds_hex_dump.so
00007fe0936e6000     76K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi_proto.so
00007fe0936f9000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi_proto.so
00007fe0938f8000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi_proto.so
00007fe0938f9000     56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093907000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093b07000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libxr_ds_capi.so
00007fe093b08000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093b1d000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093d1c000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libinstmsg_proto.so
00007fe093d1d000    100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093d36000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093f35000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libifc.so
00007fe093f36000    696K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe093fe4000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe0941e3000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librds.so
00007fe0941e6000     48K rw--- [ anon ]
00007fe0941f2000    164K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09421b000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09441a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage_md5.so
00007fe09441b000     60K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09442a000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09462a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpie.so
00007fe09462b000     16K r-x--
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe09462f000 2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe09482f000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_debug.so
00007fe094830000 8K rw--- [ anon ]
00007fe094832000 12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094835000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094a34000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf_switch_api.so
00007fe094a35000 304K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094a81000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094c80000 8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libloadpath.so
00007fe094c82000 24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094c88000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094e87000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io_device.so
00007fe094e88000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe094e89000 2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe095088000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_reset.so
00007fe095089000 4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe09508a000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe095289000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_flash.so
00007fe09528a000 8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09528c000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09548b000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_log.so
00007fe09548c000 4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09548d000 2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09568c000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_ltrace.so
00007fe09568d000 24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095693000 2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095893000 4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_shm.so
00007fe095894000 112K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_proto.so.0.0.1
00007fe0958b0000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_proto.so.0.0.1
00007fe095aaf000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_proto.so.0.0.1
00007fe095ab0000 56K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_capi.so.0.0.1
00007fe095abe000 2044K -----
```



```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_capi.so.0.0.1
00007fe095cbd000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libbcm_capi.so.0.0.1
00007fe095cbe000     36K r-x--
/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/libiparmlv.so
00007fe096bb3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmlv.so
00007fe096db2000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmlv.so
00007fe096db3000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096dba000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fb9000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtlv.so
00007fe096fba000     84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
```

```
00007fe096fcf000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971ce000 12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblpts_transport_generic.so
00007fe0971d1000 4K rw--- [ anon ]
00007fe0971d2000 32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0971da000 2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973d9000 8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libpa_client_generic.so
00007fe0973db000 8K rw--- [ anon ]
00007fe0973dd000 4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0973de000 2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0975de000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librcmd_xform.so
00007fe0975df000 16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0975e3000 2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0977e3000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_sync.so
00007fe0977e4000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0977e5000 2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0979e4000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_ether_nodeid.so
00007fe0979e5000 36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe0979ee000 2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe097bee000 4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcbp.so
00007fe097bef000 12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097bf2000 2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097df1000 4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libelib.so
00007fe097df2000 8K r-x--
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097df4000 2048K -----
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097ff4000 4K rw---
/opt/cisco/XR/packages/ncs-fwding.rp_lc-5.0.1/lib/libsse_fwplib.so
00007fe097ff5000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe097ff6000 2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe0981f5000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi_netio.so
00007fe0981f6000 8K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0981f8000 2048K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0983f8000 4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpq_nodeid.so
00007fe0983f9000 4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0983fa000 2048K -----
```

```
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0985fa000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libsock_media_platform.so
00007fe0985fb000     36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098604000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098804000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsmq.so
00007fe098805000   104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe09881f000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe098a1e000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libenf.so
00007fe098a1f000      4K rw--- [ anon ]
00007fe098a20000     60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098a2f000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098c2e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmbp.so
00007fe098c2f000     32K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098c37000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098e36000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmalloc.so
00007fe098e37000      4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe098e38000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe099037000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinst_devicemgr_platform.so
00007fe099038000     28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe09903f000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe09923f000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_devicemgr.so
00007fe099240000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099241000   2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099440000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_shmwin_pl_vm.so
00007fe099441000      8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099443000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099643000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpqmon.so
00007fe099644000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099645000   2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099844000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/lib_pakman_pl_vm.so
00007fe099845000   104K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe09985f000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a5f000      8K rw---
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_common.so
00007fe099a61000    520K r-x-- /lib64/libm-2.12.so
00007fe099ae3000   2044K ----- /lib64/libm-2.12.so
00007fe099ce2000     8K rw--- /lib64/libm-2.12.so
00007fe099ce4000    12K r-x--&nbsp;
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ce7000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ee6000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_util.so
00007fe099ee7000     8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe099ee9000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe09a0e8000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi_dbg.so
00007fe09a0e9000    28K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a0f0000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a2ef000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpcds.so
00007fe09a2f0000    16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a2f4000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a4f3000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_shmem.so
00007fe09a4f4000     4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a4f5000   2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a6f4000     4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/lib_platform_infra_ltrace.so
00007fe09a6f5000    12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a6f8000   2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a8f8000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_parser.so
00007fe09a8f9000     4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09a8fa000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09aaf9000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_subdb.so
00007fe09aafa000    36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ab03000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ad02000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbackend_sysdb.so
00007fe09ad03000     4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09ad04000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09af03000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libmemprofile.so
00007fe09af04000     4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09af05000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09b105000     4K rw---
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_debug.so
00007fe09b106000      12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b109000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b309000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libfim.so
00007fe09b30a000       56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b318000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b517000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libhdr_invmgr_capi.so
00007fe09b518000       4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b519000     2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b718000       4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libshelfmgrpi.so
00007fe09b719000       8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b71b000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91a000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdscapi.so
00007fe09b91b000       4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09b91c000     2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1b000       4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libmbi_access.so
00007fe09bb1c000      40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bb26000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd25000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbaggeneric.so
00007fe09bd26000      32K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bd2e000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2e000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libttynmspc.so
00007fe09bf2f000      24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09bf35000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c135000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttytrace.so
00007fe09c136000      24K rw---   [ anon ]
00007fe09c13c000      12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c13f000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33e000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libtty_ptydb.so
00007fe09c33f000     100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c358000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c557000      12K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpackage.so
00007fe09c55a000     148K r-x--
```

```
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c57f000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c77e000     12K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libapi.so
00007fe09c781000     44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c78c000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98c000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinst_io.so
00007fe09c98d000     28K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09c994000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb94000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsamclient.so
00007fe09cb95000     4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cb96000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd95000     4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libinstbootinfo.so
00007fe09cd96000     20K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cd9b000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9a000     4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libpkg_platform.so
00007fe09cf9b000    32K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09cfa3000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a2000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_dll_support.so
00007fe09d1a3000    80K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d1b7000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b7000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libaib_client.so
00007fe09d3b8000    52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d3c5000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c5000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket_netio.so
00007fe09d5c6000    12K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d5c9000    2044K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c8000     4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libnpu_driver_board_hal.so
00007fe09d7c9000    60K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d7d8000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d8000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libcmp.so
00007fe09d9d9000    12K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09d9dc000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
```

```
00007fe09dbdb000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_boot.so
00007fe09dbdc000      8K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dbde000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09dddd000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_pd.so
00007fe09ddde000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dddff000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dfde000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libbackplane.so
00007fe09dfdf000      8K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libpanini_device_info.so
00007fe09dfe1000    2048K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libpanini_device_info.so
00007fe09e1e1000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libpanini_device_info.so
00007fe09e1e2000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libital_shm.so
00007fe09e1e5000    2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libital_shm.so
00007fe09e3e5000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libital_shm.so
00007fe09e3e6000     92K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libens.so
00007fe09e3fd000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libens.so
00007fe09e5fc000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libens.so
00007fe09e5fe000      4K rw--- [ anon ]
00007fe09e5ff000     40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrs.so
00007fe09e609000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrs.so
00007fe09e808000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libnrs.so
00007fe09e809000     12K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libcisco_ipv6_lib.so
00007fe09e80c000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libcisco_ipv6_lib.so
00007fe09ea0b000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libcisco_ipv6_lib.so
00007fe09ea0c000     12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_transport.so
00007fe09ea0f000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_transport.so
00007fe09ec0e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_transport.so
00007fe09ec0f000      4K rw--- [ anon ]
00007fe09ec10000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_addr.so
00007fe09ec12000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_addr.so
00007fe09ee12000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_addr.so
00007fe09ee13000     24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_ifh.so
00007fe09ee19000    2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_ifh.so
00007fe09f018000      4K rw---
```

```
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_ifh.so
00007fe09f019000      8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmifmapcons.so
00007fe09f01b000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmifmapcons.so
00007fe09f21a000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmifmapcons.so
00007fe09f21b000     4K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_addr.so
00007fe09f21c000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_addr.so
00007fe09f41b000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipv4_addr.so
00007fe09f41c000     8K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmaddr.so
00007fe09f41e000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmaddr.so
00007fe09f61d000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmaddr.so
00007fe09f61e000    24K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmconsumer.so
00007fe09f624000   2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmconsumer.so
00007fe09f824000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libiparmconsumer.so
00007fe09f825000     8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_tlvlib.so
00007fe09f827000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_tlvlib.so
00007fe09fa26000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_tlvlib.so
00007fe09fa27000     8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libport_un.so
00007fe09fa29000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libport_un.so
00007fe09fc28000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libport_un.so
00007fe09fc29000     8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_icmp_client_v2.so
00007fe09fc2b000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_icmp_client_v2.so
00007fe09fe2a000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libip_icmp_client_v2.so
00007fe09fe2b000     4K rw--- [ anon ]
00007fe09fe2c000    72K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libipv4_rib_lite.so
00007fe09fe3e000   2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libipv4_rib_lite.so
00007fe0a003d000     4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libipv4_rib_lite.so
00007fe0a003e000     4K rw--- [ anon ]
00007fe0a003f000    44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_show.so
00007fe0a004a000   2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_show.so
00007fe0a0249000     4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace_show.so
00007fe0a024a000    16K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_util.so
00007fe0a024e000   2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_util.so
00007fe0a044d000     4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libpfi_util.so
```



```
00007fe0a044e000      68K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgsputils.so
00007fe0a045f000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgsputils.so
00007fe0a065e000       8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgsputils.so
00007fe0a0660000      12K rw--- [ anon ]
00007fe0a0663000     144K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgroup.so
00007fe0a0687000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgroup.so
00007fe0a0887000       8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libgroup.so
00007fe0a0889000       8K rw--- [ anon ]
00007fe0a088b000      92K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libimattrowner.so
00007fe0a08a2000     2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libimattrowner.so
00007fe0a0aa1000       8K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libimattrowner.so
00007fe0a0aa3000      12K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi.so
00007fe0a0aa6000     2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi.so
00007fe0a0ca5000       4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libplatform_pfi.so
00007fe0a0ca6000      20K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_client.so
00007fe0a0cab000     2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_client.so
00007fe0a0eab000       4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libnetio_client.so
00007fe0a0eac000       8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmrv.so
00007fe0a0eae000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmrv.so
00007fe0a10ad000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsysmrv.so
00007fe0a10ae000     196K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libim_util.so
00007fe0a10df000     2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libim_util.so
00007fe0a12de000      12K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libim_util.so
00007fe0a12e1000      56K rw--- [ anon ]
00007fe0a12ef000      20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerr_dll_tbl.so
00007fe0a12f4000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerr_dll_tbl.so
00007fe0a14f3000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerr_dll_tbl.so
00007fe0a14f4000       4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcipc_endpoint_proto.so
00007fe0a14f5000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcipc_endpoint_proto.so
00007fe0a16f4000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcipc_endpoint_proto.so
00007fe0a16f5000      32K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_proto.so
00007fe0a16fd000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_proto.so
00007fe0a18fc000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_proto.so
```

```
00007fe0a18fd000      60K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_capi.so
00007fe0a190c000      2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_capi.so
00007fe0a1b0b000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ds_capi.so
00007fe0a1b0c000        16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0a1b10000      2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0a1d0f000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_cipc_proto.so
00007fe0a1d10000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0a1d12000      2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0a1f11000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcapi_impl.so
00007fe0a1f12000       124K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0a1f31000      2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0a2130000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_proto.so.0.0.1
00007fe0a2131000       112K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_capi.so.0.0.1
00007fe0a214d000      2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_capi.so.0.0.1
00007fe0a234d000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdr_nm_capi.so.0.0.1
00007fe0a234e000       44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libctrace.so
00007fe0a2359000      2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libctrace.so
00007fe0a2559000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libctrace.so
00007fe0a255a000         8K r-x--
/usr/lib64/libevent_pthreads-2.0.so.5.0.1
00007fe0a255c000      2044K -----
/usr/lib64/libevent_pthreads-2.0.so.5.0.1
00007fe0a275b000         4K rw---
/usr/lib64/libevent_pthreads-2.0.so.5.0.1
00007fe0a275c000       256K r-x--
/usr/lib64/libevent-2.0.so.5.0.1
00007fe0a279c000      2048K -----
/usr/lib64/libevent-2.0.so.5.0.1
00007fe0a299c000         8K rw---
/usr/lib64/libevent-2.0.so.5.0.1
00007fe0a299e000       68K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
00007fe0a29af000      2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
00007fe0a2bae000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_infra.so
00007fe0a2baf000       316K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libaipc.so
00007fe0a2bfe000      2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libaipc.so
00007fe0a2dfe000         8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libaipc.so
00007fe0a2e00000       16K rw---   [ anon ]
00007fe0a2e04000       40K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libship.so
```

```
00007fe0a2e0e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libship.so
00007fe0a300d000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libship.so
00007fe0a300f000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3011000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3210000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpkgfs_query.so
00007fe0a3211000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3212000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3411000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmediaerr.so
00007fe0a3412000        56K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3420000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3620000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libdcl.so
00007fe0a3621000       272K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3665000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3865000         8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcdm.so
00007fe0a3867000        32K rw---   [ anon ]
00007fe0a386f000        44K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a387a000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a3a7a000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libss_common.so
00007fe0a3a7b000        12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3a7e000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3c7d000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcsemlock.so
00007fe0a3c7e000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3c7f000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3e7e000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdumper_snapshot.so
00007fe0a3e7f000         8K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a3e81000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a4081000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcompress.so
00007fe0a4082000        84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4097000    2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4297000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbutils.so
00007fe0a4298000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4299000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
```

```

00007fe0a4498000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_procfs_util.so
00007fe0a4499000      76K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a44ac000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a46ab000       8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libdebug.so
00007fe0a46ad000     100K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a46c6000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a48c5000       8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libshmwin.so
00007fe0a48c7000       8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a48c9000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a4ac8000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket_util.so
00007fe0a4ac9000     16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4acd000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4ccc000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libxipc.so
00007fe0a4ccd000     76K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4ce0000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4edf000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libpacket.so
00007fe0a4ee0000     408K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a4f46000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5146000       4K r----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5147000       8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrt.so
00007fe0a5149000     220K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5180000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a537f000       4K r----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5380000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosysrtxml.so
00007fe0a5381000     36K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a538a000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a558a000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librpc.so
00007fe0a558b000     96K r-x-- /lib64/libpthread-2.12.so
00007fe0a55a3000     2044K ----- /lib64/libpthread-2.12.so
00007fe0a57a2000       4K r---- /lib64/libpthread-2.12.so
00007fe0a57a3000       4K rw--- /lib64/libpthread-2.12.so
00007fe0a57a4000     16K rw--- [ anon ]
00007fe0a57a8000    1444K r-x-- /lib64/libc-2.12.so
00007fe0a5911000     2048K ----- /lib64/libc-2.12.so
00007fe0a5b11000     12K r---- /lib64/libc-2.12.so
00007fe0a5b14000       8K rw--- /lib64/libc-2.12.so

```

```
00007fe0a5b16000      20K rw---   [ anon ]
00007fe0a5b1b000      52K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5b28000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5d27000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libosag.so
00007fe0a5d28000      20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5d2d000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5f2c000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libsyslog.so
00007fe0a5f2d000      84K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a5f42000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a6141000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librsi.so
00007fe0a6142000      48K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a614e000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a634e000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/librmf.so
00007fe0a634f000      64K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a635f000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a655f000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libltrace.so
00007fe0a6560000       8K r-x--  /lib64/libdl-2.12.so
00007fe0a6562000     2048K -----  /lib64/libdl-2.12.so
00007fe0a6762000       8K rw---  /lib64/libdl-2.12.so
00007fe0a6764000      32K r-x--  /lib64/librt-2.12.so
00007fe0a676c000     2044K -----  /lib64/librt-2.12.so
00007fe0a696b000       8K rw---  /lib64/librt-2.12.so
00007fe0a696d000      24K r-x--
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6973000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6b72000       4K rw---
/opt/cisco/XR/packages/iosxr-os.rp-5.0.1/lib/libsyslog_rw.so
00007fe0a6b73000      12K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6b76000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6d75000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsltd.so
00007fe0a6d76000       4K rw---   [ anon ]
00007fe0a6d77000      20K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6d7c000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6f7b000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbbackend.so
00007fe0a6f7c000      40K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a6f86000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a7186000       4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbag.so
00007fe0a7187000       8K r-x--
```

```
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7189000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7388000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/lib_alarm_logger_locnotify.so
00007fe0a7389000        12K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a738c000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a758b000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libalm_loc_infra.so
00007fe0a758c000        44K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrdlib.so
00007fe0a7597000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrdlib.so
00007fe0a7796000         4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/liblrdlib.so
00007fe0a7797000        16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttyutil.so
00007fe0a779b000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttyutil.so
00007fe0a799a000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libttyutil.so
00007fe0a799b000       128K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysmgr.so
00007fe0a79bb000    2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysmgr.so
00007fe0a7bba000         8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysmgr.so
00007fe0a7bbc000        40K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libovl.so
00007fe0a7bc6000   2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libovl.so
00007fe0a7dc6000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libovl.so
00007fe0a7dc7000        72K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid.so
00007fe0a7dd9000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid.so
00007fe0a7fd8000        16K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libnodeid.so
00007fe0a7fdc000         8K r-x--
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libplatform_netio.so
00007fe0a7fde000   2048K -----
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libplatform_netio.so
00007fe0a81de000         4K rw---
/opt/cisco/XR/packages/iosxr-sse.rp_lc-5.0.1/lib/libplatform_netio.so
00007fe0a81df000         4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_to_be_deprecated.so
00007fe0a81e0000    2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_to_be_deprecated.so
00007fe0a83df000         4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_to_be_deprecated.so
00007fe0a83e0000         4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libc12000_cardtype.so
00007fe0a83e1000    2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libc12000_cardtype.so
00007fe0a85e0000         4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libc12000_cardtype.so
00007fe0a85e1000         4K r-x--
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libc12000_chassis.so
00007fe0a85e2000    2044K -----
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libc12000_chassis.so
```

```
00007fe0a87e1000      4K rw---
/opt/cisco/XR/packages/ncs-base.rp_lc-5.0.1/lib/libc12000_chassis.so
00007fe0a87e2000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libc12000_bflc_io_reset.so
00007fe0a87e3000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libc12000_bflc_io_reset.so
00007fe0a89e2000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libc12000_bflc_io_reset.so
00007fe0a89e3000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_lc_mem.so
00007fe0a89e4000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_lc_mem.so
00007fe0a8be3000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_lc_mem.so
00007fe0a8be4000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_rp_rate_limit.so
00007fe0a8be5000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_rp_rate_limit.so
00007fe0a8de4000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_rp_rate_limit.so
00007fe0a8de5000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_mbus_fru.so
00007fe0a8de6000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_mbus_fru.so
00007fe0a8fe5000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_mbus_fru.so
00007fe0a8fe6000      4K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_diagstrings.so
00007fe0a8fe7000     2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_diagstrings.so
00007fe0a91e6000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform_diagstrings.so
00007fe0a91e7000      4K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_plimq.so
00007fe0a91e8000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_plimq.so
00007fe0a93e7000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libplatform_plimq.so
00007fe0a93e8000     44K r-x--
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform.so
00007fe0a93f3000     2044K -----
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform.so
00007fe0a95f2000      4K rw---
/opt/cisco/XR/packages/ncs-os-support.rp_lc-5.0.1/lib/libplatform.so
00007fe0a95f3000      8K rw---   [ anon ]
00007fe0a95f5000     168K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipaddr_cons.so
00007fe0a961f000     2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipaddr_cons.so
00007fe0a981e000      24K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libipaddr_cons.so
00007fe0a9824000      4K rw---   [ anon ]
00007fe0a9825000     44K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libip4.so
00007fe0a9830000     2048K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libip4.so
00007fe0a9a30000      4K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libip4.so
00007fe0a9a31000      4K rw---   [ anon ]
00007fe0a9a32000     148K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ios.so.0.0.1
00007fe0a9a57000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ios.so.0.0.1
```

```
00007fe0a9c56000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcalvados_ios.so.0.0.1
00007fe0a9c58000     176K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libios.so
00007fe0a9c84000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libios.so
00007fe0a9e84000      8K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libios.so
00007fe0a9e86000      4K rw--- [ anon ]
00007fe0a9e87000     444K r-x--
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libifmgr.so
00007fe0a9ef6000     2044K -----
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libifmgr.so
00007fe0aa0f5000      20K rw---
/opt/cisco/XR/packages/iosxr-fwding.rp_lc-5.0.1/lib/libifmgr.so
00007fe0aa0fa000      16K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerrno.so
00007fe0aa0fe000     2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerrno.so
00007fe0aa2fe000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libcerrno.so
00007fe0aa2ff000     592K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
00007fe0aa393000     2044K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
00007fe0aa592000      16K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libinfra.so
00007fe0aa596000      52K rw--- [ anon ]
00007fe0aa5a3000      16K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbhelper.so
00007fe0aa5a7000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbhelper.so
00007fe0aa7a6000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdbhelper.so
00007fe0aa7a7000     364K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdb.so
00007fe0aa802000     2044K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdb.so
00007fe0aaa01000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsysdb.so
00007fe0aaa03000      4K rw--- [ anon ]
00007fe0aaa04000     160K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket.so
00007fe0aaa2c000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket.so
00007fe0aac2c000      8K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libsocket.so
00007fe0aac2e000      4K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_general.so
00007fe0aac2f000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_general.so
00007fe0aae2f000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_general.so
00007fe0aae30000      8K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_addr_presentation.so
00007fe0aae32000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_addr_presentation.so
00007fe0ab032000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_addr_presentation.so
00007fe0ab033000     44K r-x--
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_name_mapping.so
00007fe0ab03e000     2048K -----
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_name_mapping.so
```



```

00007fe0ab23e000      4K rw---
/opt/cisco/XR/packages/iosxr-infra.rp_lc-5.0.1/lib/libbsd_name_mapping.so
00007fe0ab23f000     24K rw--- [ anon ]
00007fe0ab245000     20K r-x--
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
00007fe0ab24a000    2048K -----
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
00007fe0ab44a000      4K rw---
/opt/cisco/XR/packages/iosxr-os.rp_lc-5.0.1/lib/libmalloc_stat.so.0.0.1
00007fe0ab44b000     32K rw--- [ anon ]
00007fe0ab453000    128K r-x-- /lib64/ld-2.12.so
00007fe0ab473000      4K rw-s- /dev/shm/tmp/syslogd_syslogd
00007fe0ab474000     12K rw-s- /dev/shmem/ltrace/install/inv_error
00007fe0ab477000     12K rw-s- /dev/shmem/ltrace/install/inv
00007fe0ab47a000     16K rw-s- /dev/shmem/ltrace/install/inst_io
00007fe0ab47e000     12K rw-s- /dev/shmem/ltrace/install/pkg
00007fe0ab481000     12K rw-s- /dev/shmem/ltrace/install/ifc
00007fe0ab484000     36K rw-s- /dev/shmem/ltrace/install/instdir_loadpath_error
00007fe0ab48d000     12K rw-s- /dev/shmem/ltrace/install/instdir_loadpath
00007fe0ab490000     12K rw-s- /dev/shmem/ltrace/aqsmllib/190/errors
00007fe0ab493000     12K rw-s- /dev/shmem/ltrace/aqsmllib/190/debug
00007fe0ab496000     12K rw-s- /dev/shmem/ltrace/aqsmllib/190/api
00007fe0ab499000      4K rw-s- /dev/shm/dev/shmem/tty_db_pty_map
00007fe0ab49a000      4K rw-s- /dev/shm/dev/shmem/ship_data_0
00007fe0ab49b000     32K rw-s- /dev/shmem/ltrace/cdm/190/heap_b1_o846
00007fe0ab4a3000      4K r--s- /dev/shm/dev/shmem/sysmgr_shmem
00007fe0ab4a4000     12K rw-s- /dev/shmem/ltrace/cdm/190/repl
00007fe0ab4a7000     12K rw-s- /dev/shmem/ltrace/cdm/190/heap
00007fe0ab4aa000     12K rw-s- /dev/shmem/ltrace/cdm/190/errors
00007fe0ab4ad000     12K rw-s- /dev/shmem/ltrace/cdm/190/api
00007fe0ab4b0000      4K ----- [ anon ]
00007fe0ab4b1000    512K rw--- [ anon ]
00007fe0ab531000      4K ----- [ anon ]
00007fe0ab532000    512K rw--- [ anon ]
00007fe0ab5b2000     12K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/err
00007fe0ab5b5000     12K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/dbg
00007fe0ab5b8000     12K rw-s- /dev/shmem/ltrace/lwmlib/1_syslogd/api
00007fe0ab5bb000     52K rw-s- /dev/shmem/ltrace/install/inst_devicemgr_error
00007fe0ab5c8000     16K rw-s- /dev/shmem/ltrace/install/inst_devicemgr
00007fe0ab5cc000     12K rw-s- /dev/shmem/ltrace/install/pkg
00007fe0ab5cf000     52K rw-s- /dev/shmem/ltrace/install/inst_io_error
00007fe0ab5dc000     16K rw-s- /dev/shmem/ltrace/install/inst_io
00007fe0ab5e0000     96K rw-s- /dev/shmem/ltrace/install/pkgfs_error
00007fe0ab5f8000     16K rw-s- /dev/shmem/ltrace/install/pkgfs
00007fe0ab5fc000     36K rw-s- /dev/shmem/ltrace/install/inst_mem_error
00007fe0ab605000     12K rw-s- /dev/shmem/ltrace/install/inst_mem
00007fe0ab608000      4K rw-s- /dev/shm/shm_mutex_monitors
00007fe0ab609000      4K rw-s- /dev/shm/cdm_db_dir
00007fe0ab60a000      4K rw-s- /dev/shmem/ltrace/ltrace_global_ctrl
00007fe0ab60b000    412K rw--- [ anon ]
00007fe0ab672000      4K r---- /lib64/ld-2.12.so
00007fe0ab673000      4K rw--- /lib64/ld-2.12.so
00007fe0ab674000      4K rw--- [ anon ]
00007fff6409b000    132K rw--- [ stack ]
00007fff640db000      4K r-x-- [ anon ]
ffffffffffff600000      4K r-x-- [ anon ]
total                2700196K

```

```
node:      node0_RP1_CPU0
```

```
-----
No context
```

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

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

Wed Feb 19 12:31:10.577 UTC

Directory of /harddisk:/

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

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

Wed Feb 19 12:32:15.252 UTC

Directory of /disk0:/core

```
16 -rw-r--r-- 1   87359 Feb 19 12:25
syslogd_2117.by.11.20140219-122529.xr-vm_node0_RP0_CPU0.ddc58.core.txt
19 drwxr-xr-x 2   4096 Feb 19 12:25 .1
```

Anzeige

Weitere Informationen finden Sie im Abschnitt [show dll](#) der **Befehlsreferenz für Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Es gibt Optionen und Änderungen bei der Ausgabe.

Details Nur das **pid**-Schlüsselwort wird unterstützt. Das **location**-Schlüsselwort wird entfernt.

Bedeutung: Geringfügig

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

pid Pid of the process

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

<0-4294967295> <pid> of the process

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

```

address    Display the dllname for a particular address.
dllname    Display the pid_info for a particular dllname (virt-path).
jobid      job id
location   location to display
memory     Display only a summary of memory usage.
symbol     Static function symbols will NOT work
virtual    Displays virtual path.
|          Output Modifiers
<cr>

```

Show Controller Fabric

Weitere Informationen finden Sie im Abschnitt [show controller Fabric](#) in der **Systemadministrationsbefehlsreferenz für die Cisco NCS Router der Serie 6000**.

Zusammenfassung: Die Schlüsselwörter **show** werden geändert.

Details: Unterstützung für **Paket, Konnektivität und Zusammenfassung** der Schlüsselwörter wird entfernt. Unterstützung für die Schlüsselwörter **fsdb-Aggregator** und **fsdb-server** wird hinzugefügt. Der Großteil der Ausgabe ist sehr ähnlich.

Alle show-Befehle mit Ausnahme des **trace**-Schlüsselworts befinden sich im SysAdmin VM.

Bedeutung: Geringfügig

```

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)

Schaumgebung

Weitere Informationen finden Sie im Abschnitt [show environment](#) der **Systemadministrationsbefehlsreferenz für die Cisco NCS Router der Serie 6000**.

Zusammenfassung: Es gibt Ausgabeänderungen und Änderungen von Befehlssatzschlüsselwörtern.

Details Die Unterstützung für **Leds** und **Tabellen**-Schlüsselwörter wird entfernt. Unterstützung für das **aktuelle** Schlüsselwort wird hinzugefügt. Die Produktion ist kosmetisch anders. Die Ausgabe enthält Informationen pro Segment.

Bedeutung: Geringfügig

```

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

```

```

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

```

show filesystem

Weitere Informationen finden Sie im Abschnitt [show filesystem](#) der **Systemverwaltungs-**

Befehlsreferenz für den Cisco NCS Router der Serie 6000, Version 5.0.x.

Zusammenfassung: Neben der CLI-Ausgabe werden auch Optionen geändert.

Details Das **show filesystem disk0:** -Befehl nicht mehr funktioniert. Der Befehl ist im virtuellen System SysAdmin nicht verfügbar. Der Befehl zeigt die gleichen Informationen aus dem Admin-Modus und exec auf einem CRS, jedoch nicht auf dem NCS 6008 an.

Bedeutung: Geringfügig

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

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

```
File Systems:
```

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

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

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

```
node: node0_4_CPU0
```

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

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

```
node: node0_RP0_CPU0
```

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

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

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

```
location specify the location
```

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

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

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

```
Mon Nov 25 16:11:36.810 UTC
```

```
File Systems:
```

Size(b)	Free(b)	Type	Flags	Prefixes
-	-	network	rw	qsm/dev/fs/tftp:
-	-	network	rw	qsm/dev/fs/rcp:
-	-	network	rw	qsm/dev/fs/ftp:
11492376576	10348458496	dumper-lnk	rw	qsm/dumper_disk0:
1312817152	1056006144	dumper-lnk	rw	qsm/dumper_disk0a:
16568549376	15307819008	dumper-lnk	rw	qsm/dumper_harddisk:
3051651072	3049283584	dumper-lnk	rw	qsm/dumper_nvmem:
1017208832	1016152064	dumper-lnk	rw	qsm/dumper_nvmem2:
16392388608	16388352512	dumper-lnk	rw	qsm/dumper_harddiska:

```

1125122048 1124809216 dumper-lnk      rw  qsm/dumper_diskla:
11492376576 9500605440  dumper-lnk      rw  qsm/dumper_disk1:
11492376576 10348458496  flash-disk      rw  disk0:
11492376576 9500605440  flash-disk      rw  disk1:
16568549376 15307819008  harddisk        rw  harddisk:
16392388608 16388352512  harddisk        rw  harddiska:
1312817152 1056006144  flash-disk      rw  disk0a:
1125122048 1124809216  flash-disk      rw  diskla:
    1043456      998400          nvram          rw  nvram:
3051651072 3049283584          nvram          rw  nvmem:
1017208832 1016152064          nvram          rw  nvmem2:

```

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

Mon Nov 25 16:14:24.159 UTC

File Systems:

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

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

```

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

```

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

Mon Nov 25 16:15:10.110 UTC

```

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

```

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

Installation anzeigen

Weitere Informationen finden Sie im Abschnitt [show install](#) der **Befehlsreferenz zur Systemadministration für Cisco NCS Router der Serie 6000**.

Zusammenfassung: Neben den Ausgabeänderungen gibt es Änderungen an Schlüsselwortoptionen.

Details Die Unterstützung für die **Vorbereitung** und **Repository** Schlüsselwörter wird hinzugefügt. Die Unterstützung für das **summary**-Schlüsselwort wird entfernt.

Bedeutung: Wichtig

```
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
```

Bestand anzeigen

Weitere Informationen finden Sie im Abschnitt [show inventar](#) der **Befehlsreferenz zur Systemadministration für Cisco NCS Router der Serie 6000**.

Zusammenfassung: Es werden Ausgabeänderungen sowie Schlüsselwortänderungen vorgenommen.

Details Unterstützung für das **trace**-Schlüsselwort wird entfernt. Die meisten anderen Anzeigen und Funktionen sind identisch.

Der Befehl **show inventar** kann von der XR VM oder der SysAdmin VM ausgeführt werden und zeigt ähnliche Ausgaben in beiden VMs an. Die **Ausgabe des Anzeigebestands** im XR VM zeigt die PIDs und Seriennummern für optische Verbindungen an, die auf Linecards installiert sind, während diese Informationen bei Ausführung von der SysAdmin VM nicht enthalten sind.

Bedeutung: Wichtig

```
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>
```

Anzeigemedien

Weitere Informationen finden Sie im Abschnitt [show media](#) in der **Befehlsreferenz zur Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: CLI-Ausgabeänderungen werden vorgenommen.

Details Datenträger0: wird nicht als Startdiskette auf dem NCS 6000 verwendet. Die **Dächer:** - Partition ist die Bootpartition für die XR- und SysAdmin-VMs. Die Bootpartition beträgt 3,9G für das XR VM und 2,9G für das SysAdmin VM. Die **Dächer:** -Partition für jedes VM wird von einem Solid-State-Laufwerk (SSD) mit 32 GB auf dem Routingprozessor geteilt. Die **Festplatte:** - Partition für jedes VM wird aus einem 200-GB-SSD-Laufwerk auf dem Routingprozessor extrahiert.

Bedeutung: Wichtig

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

Media Information for local node.

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

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

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


Mon Mar 31 14:51:44.648 UTC

Media Information for node0_3_CPU0.

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

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

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

Mon Mar 31 14:26:24.575 UTC

lab connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0

sysadmin-vm:0_RP0# sh media

Mon Mar 31 14:26:31.960 UTC

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

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

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

Sun Mar 30 21:31:30.784 UTC

Media Information for 0/RP0/CPU0.

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

Output Truncated to size 1023

Arbeitsspeicher anzeigen

Weitere Informationen finden Sie im Abschnitt [show memory](#) in der **Befehlsreferenz zur Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Neben der CLI-Ausgabe werden auch Optionen geändert.

Details Die Speicherarchitektur hat sich mit NCS 6008 deutlich verändert. Daher gibt es viele Änderungen an der CLI-Ausgabe des Befehls **show memory**. Die Änderungen an der CLI-Befehlsoption sind geringfügig.

Bedeutung: Geringfügig

```
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-Prozesse

Weitere Informationen finden Sie im Abschnitt [show process](#) in der **Befehlsreferenz zur Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x**.

Zusammenfassung: Bei einigen der Optionen sind geringfügige Änderungen an den unterstützten Optionen sowie an der Ausgabe zu verzeichnen.

Details Das **show pidin**-Schlüsselwort wird nicht mehr unterstützt.

Bedeutung: Geringfügig

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.
```

Schauplattform

Weitere Informationen finden Sie im Abschnitt [show platform](#) der Systemadministrationsbefehlsreferenz für die Cisco NCS Router der Serie 6000.

Zusammenfassung: Es gibt zusätzliche Schlüsselwortoptionen und Ausgabeänderungen.

Details Der Befehl **show platform** kann von der VM XR oder SysAdmin ausgeführt werden.

XR VM: Unterstützung für das **vm**-Schlüsselwort wurde hinzugefügt.

Auf dem NCS 6000 zeigt der Befehl Informationen zu Fabric, Lüftern und Stromversorgungsmodulen vom XR VM an, nicht jedoch im klassischen XR. Um Informationen über diese Komponententypen im klassischen XR zu erhalten, muss der Befehl im Administratormodus ausgeführt werden.

SysAdmin VM: Das **detail**-Schlüsselwort wurde hinzugefügt, um zusätzliche Informationen über den Zustand und die Boot-Informationen für einen Knoten im System bereitzustellen. Unterstützung für das **Slices**-Schlüsselwort wird hinzugefügt.

Bedeutung: Wichtig

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

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

Node name	Node type	Node state	Admin state	Config state
0/3	NC6-10X100G-M-P	OPERATIONAL	UP	NSHUT
0/3/NPU0	Slice	UP	UP	
0/3/NPU1	Slice	UP	UP	
0/3/NPU2	Slice	UP	UP	
0/3/NPU3	Slice	UP	UP	
0/3/NPU4	Slice	UP	UP	
0/4	NC6-10X100G-L-K	OPERATIONAL	UP	NSHUT
0/4/NPU0	Slice	UP	UP	
0/4/NPU1	Slice	UP	UP	
0/4/NPU2	Slice	UP	UP	
0/4/NPU3	Slice	UP	UP	
0/4/NPU4	Slice	UP	UP	
0/RP0	NC6-RP	OPERATIONAL	UP	NSHUT
0/RP1	NC6-RP	OPERATIONAL	UP	NSHUT
0/FC0	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC1	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC2	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC3	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC4	NC6-FC	OPERATIONAL	UP	NSHUT
0/FC5	NC6-FC	OPERATIONAL	UP	NSHUT
0/FT0	NC6-FANTRAY	OPERATIONAL	UP	NSHUT
0/FT1	NC6-FANTRAY	OPERATIONAL	UP	NSHUT
0/PT0	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT1	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT2	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT3	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT4	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT
0/PT5	NCS-AC-PWRTRAY	OPERATIONAL	UP	NSHUT

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

```
Mon Mar 31 21:26:11.922 UTC
```

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

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

```
Description: Show platform node information
```

```
Possible completions:
```

```
detail Show details of node type and state
```

location Location of node to show; omit to show all locations
slices Show summary of node forwarding slices
| Output modifiers
<cr>

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

Mon Mar 31 21:32:14.929 UTC

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

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

Mon Mar 31 21:29:29.852 UTC

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

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

Sun Feb 1 03:09:15.363 UTC

Platform Information for 0/4/cpu0

PID : NC6-10X100G-M-P

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

VID/SN : V01

HW Oper State : OPERATIONAL

SW Oper State : OPERATIONAL

Configuration : "NSHUT RST"

HW Version : 0.6

Last Event : HW_EVENT_OK

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

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

Mon Mar 31 17:21:18.956 EDT

Node	Type	PLIM	State	Config State
0/0/CPU0	MSC-140G	14-10GbE	IOS XR RUN	PWR,NSHUT,MON
0/4/CPU0	MSC-140G	1-100GbE	IOS XR RUN	PWR,NSHUT,MON

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

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

```
WORD   Partially qualified location specification
drops  Forwarding drops
|      Output Modifiers
<cr>
```

Neustarten anzeigen

Zusammenfassung: Aufgrund der Trennung von XR VM und SysAdmin VM hat sich der **Befehl show reboot** in NG-XR geändert.

Details Unter der XR VM können Sie den Neustart-Verlauf der XR VM für jede aktive Linecard/RP anzeigen.

Unter der VM SysAdmin kann der Neustartverlauf der VM SysAdmin für jede aktive Linecard/jeden aktiven Linecard/RP angezeigt werden, zusammen mit dem Neustartverlauf für die Linecard/den RP selbst (erinnern Sie sich, dass die VM SysAdmin ohne erneutes Laden der eigentlichen Linecard neu gestartet werden kann).

Bedeutung: Geringfügig

RP/0/RP0/CPU0:NCS#**show reboot ?**

```
history  Display reboot history of node
```

RP/0/RP0/CPU0:TLAB97-NCS1#

RP/0/RP0/CPU0:TLAB97-NCS1#

RP/0/RP0/CPU0:TLAB97-NCS1#**admin**

Wed Dec 11 03:37:51.036 EST

admin connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0

sysadmin-vm:0_RP1# **show reboot ?**

```
Description: Show reboot history events
```

```
Possible completions:
```

```
admin-vm  Admin VM reboot history
```

```
card      Card reboot history
```

```
reverse   Show reboot history in reverse order
```

```
|         Output modifiers
```

```
<cr>
```

show sdr-invmgr

Zusammenfassung: Dies ist ein neu hinzugefügter Befehl in XR + Sysadmin VM.

Details Dies hat ein neues Betriebsverhalten.

Bedeutung: Wichtig

Technischer Support anzeigen

Zusammenfassung: Es gibt Ausgabeänderungen mit Änderungen der Optionen für das Befehlsschlüsselwort.

Details Unterstützung für diese **show tech-support**-Schlüsselwörter wird auf dem NCS 6000 entfernt:

- Aipcproxy
- ATM
- Call Home
- chdlc
- Konfigurationsgruppe
- Controller
- Krypto
- Fabio
- Frame-Relay
- ipinfra
- Landkarte
- onep
- Plattform
- Rippe
- SVD
- Sysmgr
- tunnel-ip

Die Unterstützung für diese **show tech-support**-Schlüsselwörter im Admin-Modus wird auf dem NCS 6000 entfernt:

- asiatisch
- Pakete
- cfgmgr
- Steuernetz
- Diagnose
- DSC
- Bienen
- Gesundheitsprüfung
- Invgr
- Sissu
- Lizenz
- Landkarte
- Nrs
- Kuchen
- Shelfmgr
- Sysdb
- Sysmgr

Unterstützung für diese **show tech-support**-Schlüsselwörter ist auf NCS 6008 verfügbar, nicht jedoch auf dem CRS:

- **Fabric** - In XR VM auf NCS 6008
- **install** - In XR VM auf NCS 6008
- **lwm** - In XR VM auf NCS 6008
- **npu** - In XR VM auf NCS 6008
- **ProzessorGR** - In XR VM auf NCS 6008
- **rdm** - In XR VM auf NCS 6008
- **sdr-invmgr** - In XR VM auf NCS 6008

Unterstützung für diese SysAdmin VM-**show**-Schlüsselwörter für den **technischen Support** ist auf dem NCS 6000 verfügbar, nicht jedoch auf dem CRS:

- **alarm_mgr**
- **alle**
- **CCC**
- **verwirrt**
- **umarmen**
- **FPD**
- **obfl**
- **nachmittags**
- **sdr_mgr**
- **Gehäuse_mgr**
- **Slice_Manager**
- **Syslog**

Bedeutung: Geringfügig

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

```

access-lists      Output show commands of interest for access-lists debugging
aps               Output show commands of interest for APS debugging
arp              Output show commands of interest for ARP debugging
bcdl             Output show commands of interest for bcdl debugging
bcdlv2          Output show commands of interest for bcdlv2 debugging
bundles         Output show commands of interest for bundle debugging
cef             CEF tech-support information
cef             Output show commands of interest for CEF debugging
cfgmgr          cfgmgr tech-support information
chkpt           Gather information required to debug checkpoint
cpuctrl        cpuctrl tech-support
dhcp            DHCP tech-support
eem            Show eem information for tech-support
ema            Output show commands of interest for ema debugging
ethernet        Output show commands of interest for ethernet debugging
fabric          fabric tech support information
file            Specify a valid file name (e.g. disk0:tmp.log)
gsp            gsp tech-support information
hsrp           Output show commands of interest for HSRP debugging
install        Gather all the information about Install for tech-support
iphc           Output show commands of interest for iphc debugging
l2tp           Output show commands for L2TP tech-support
l2vpn          Output show commands for L2VPN debugging
location       Specify a location
lpts           show tech-support output for LPTS
lwm            Gather all the information about the Light Weight Messaging (LWM)
mpls           Output show commands of interest for MPLS debugging

```



```

multicast      Show multicast related information
multilink     show tech-support output for multilink
netflow       Output show commands of interest for Netflow debugging
npu           npu tech-support
nrs           NRS tech-support information
p2p-ipc       aipc show tech-support output
parser        Parser show tech-support output for debugging
password      Include password in output
performance-mgmt Performance management show tech-support output
pfi           Collect PFI related information and save to disk
placed        Gather all the information about the Placement Daemon (Placed)
pos           Output show commands of interest for pos debugging
ppp           Output show commands of interest for ppp debugging
processmgr    Gather all the information about the Process Manager (ProcessMgr)
protection-notif Collect fast traffic protection information and save to disk
qos           Collect QOS related information and save to disk
rack          Show list of racks
radius        Output show commands of interest for radius debugging
rcmd          RCMD show tech-support output
rdm           rdm tech-support
rdsfs         Gather lots of information about RDSFS
rib           Show IP RIB related information
routing       Routing show tech-support output
rsi           show tech-support output for RSI (Router Space Infrastructure)
sanitized     Sanitized configuration in output
sdr-invmgr    Spawn parallel show tech-support - use only if directed
serial        Output show commands of interest for serial debugging
services      Show tech-support information relating to services
snmp          SNMP tech-support information
spa           Gather information about SPA
spp           Output show commands of interest for SPP debugging
srlg          show tech-support output for SRLG (Shared Risk Link Group)
ssm           Service State Monitoring (SSM) tech-support information
statsd        Output show commands of use for statistics debugging
sysdb         System Database (SysDB) tech-support information
tcp           TCP supported trace and debugging
tunnel-template Output show commands of interest for tunnel-template debugging
vrrp          Output show commands of interest for VRRP debugging
xos           Gather information about Cross-OS Services
<cr>

```

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

Sat Mar 12 23:45:23.763 UTC

cisco connected from 127.0.0.1 using console on xr-vm_node0_RP0_CPU0

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

Possible completions:

```

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

```

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

```
access-lists      Output show commands of interest for access-lists debugging
(cisco-support)
aipcproxy         Gather lots of information about aipc_proxy
(cisco-support)
aps               Output show commands of interest for APS debugging
arp               Output show commands of interest for ARP debugging
(cisco-support)
atm               Output show commands of interest for atm debugging
(cisco-support)
bcd1              Output show commands of interest for bcd1 debugging
bcdlv2           Output show commands of interest for bcdlv2 debugging
(cisco-support)
bundles           Output show commands of interest for bundle debugging
(cisco-support)
call-home         Show call-home information for tech-support
cef               CEF tech-support information(cisco-support)
cef               Output show commands of interest for CEF debugging
cfgmgr            cfgmgr tech-support information(cisco-support)
chdlc             Output show commands of interest for chdlc debugging
(cisco-support)
chkpt            Gather information required to debug checkpoint
(cisco-support)
config-group      Config Group tech-support information(cisco-support)
controllers       Show tech-support information for controllers(cisco-support)
cpuctrl           cpuctrl tech-support(cisco-support)
crypto            CRYPTO show tech-support output
dhcp              DHCP tech-support(cisco-support)
eem               Show eem information for tech-support
ethernet          Ethernet show tech commands(cisco-support)
ethernet          Output show commands of interest for ethernet debugging
(cisco-support)
fabio             fabio tech-support(cisco-support)
file              Specify a valid file name (e.g. disk0:tmp.log)
frame-relay       Output show commands of interest for Frame-Relay debugging
(cisco-support)
gsp               gsp tech-support information
hsrp              Output show commands of interest for HSRP debugging
(cisco-support)
iphc              Output show commands of interest for iphc debugging
ipinfra           Output show commands of interest for ip-infra debugging
(cisco-support)
l2tp              Output show commands for L2TP tech-support(cisco-support)
l2vpn             Output show commands for L2VPN debugging(cisco-support)
location          Specify a location(cisco-support)
lpts              show tech-support output for LPTS
lrd               Output show commands of interest for lrd debugging
(cisco-support)
mpls              Output show commands of interest for MPLS debugging
(cisco-support)
multicast         Show multicast related information
multilink         show tech-support output for multilink(cisco-support)
netflow           Output show commands of interest for Netflow debugging
(cisco-support)
nrs               NRS tech-support information
onep              Collect ONEP related information and save to disk
(cisco-support)
p2p-ipc           aipc show tech-support output
parser            Parser show tech-support output for debugging
(cisco-support)
password          Include password in output
performance-mgmt Performance management show tech-support output(cisco-support)
pfi               Collect PFI related information and save to disk(cisco-support)
```

```

placed          Gather all the information about the Placement Daemon (Placed)
platform        show tech-support platform output(cisco-support)
pos             Output show commands of interest for pos debugging
(cisco-support)
ppp             Output show commands of interest for ppp debugging
(cisco-support)
protection-notif Collect fast traffic protection information and save to disk
(cisco-support)
qos             Collect QOS related information and save to disk(cisco-support)
rack            Show list of racks(cisco-support)
radius          Output show commands of interest for radius debugging
(cisco-support)
rcmd            RCMD show tech-support output
rdsfs           Gather lots of information about RDSFS(cisco-support)
rib             Show IP RIB related information(cisco-support)
routing         Routing show tech-support output
rsi             show tech-support output for RSI (Router Space Infrastructure)
(cisco-support)
sanitized       Sanitized configuration in output
satellite       Collect Satellite related information and save to disk
(cisco-support)
serial          Output show commands of interest for serial debugging
(cisco-support)
services        Show tech-support information relating to services
(cisco-support)
snmp            SNMP tech-support information(cisco-support)
spa             Gather information about SPA
spaipc          Output show commands of interest for spaipc debugging
(cisco-support)
span            Collect tech-support information for the SPAN feature
(cisco-support)
spio            Collect SPIO information and save to disk(cisco-support)
spp             Output show commands of interest for SPP debugging
(cisco-support)
srlg            show tech-support output for SRLG (Shared Risk Link Group)
(cisco-support)
ssm             Service State Monitoring (SSM) tech-support information
statsd          Output show commands of use for statistics debugging
(cisco-support)
svd             show tech-support output for svd(cisco-support)
sysdb           System Database (SysDB) tech-support information(cisco-support)
sysmgr          Gather all the information about the System Manager (SysMgr)
tcp             TCP supported trace and debugging
tty             TTY tech-support information(cisco-support)
tunnel-ip       Output show commands of interest for GRE/IPinIP(cisco-support)
tunnel-template Output show commands of interest for tunnel-template debugging
vrrp            Output show commands of interest for VRRP debugging
(cisco-support)
xos             Gather information about Cross-OS Services
<cr>

```

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

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

```

asic           Run asic snapshot script
bundles        Output show commands of interest for bundle debugging
(cisco-support)
cctl           Spawn parallel show tech-support - use only if directed
cfgmgr         cfgmgr tech-support information(cisco-support)
control-ethernet Output show commands of interest for control-ethernet debugging
diagnostics    Output show commands of interest for diagnostics debugging
dsc            DSC tech-support for troubleshooting
ees            Show EES snapshot information for tech-support
fabric         Output of show tech-support from fabric debugging

```

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

Anzeigeversion

Weitere Informationen finden Sie im Abschnitt [show version](#) der **Befehlsreferenz zur Systemadministration für Cisco NCS Router der Serie 6000**.

Zusammenfassung: Es gibt große Ausgabeänderungen.

Details Die Ausgabe wird auf dem NCS 6008 aufgrund der unterschiedlichen Betriebssystemstruktur erheblich vereinfacht.

Bedeutung: Geringfügig

```
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#

oberste

Weitere Informationen finden Sie im [oberen](#) Abschnitt der **Befehlsreferenz zur Systemadministration für Cisco NCS Router der Serie 6000**.

Zusammenfassung: Die Optionen und Ausgaben für Schlüsselwörter werden geändert. Der Befehl ist sowohl in SysAdmin VM als auch in XR VM verfügbar.

Details Der Schlüsselwortspeicherort für das **Dumbtty** wird in die CLI verschoben. Auf dem NCS 6000 kann die obere mit der Position der Linecard angegeben werden, während die CRS-Karte verwendet wird. Für die Linecard-Standorte funktioniert es nicht.

Bedeutung: Geringfügig

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

```
Thu Feb 12 21:54:27.686 UTC
```

```
*****
```

```
Location : 0/4
```

```
*****
```

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

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+
1	root	20	0	14932	1368	1132	S	0.0	0.1	0:01.76
init										
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00
kthreadd										
3	root	RT	0	0	0	0	S	0.0	0.0	0:00.00
migration/0										

4 root ksoftirqd/0	20	0	0	0	0 S	0.0	0.0	0:01.28
5 root watchdog/0	RT	0	0	0	0 S	0.0	0.0	0:00.00
6 root events/0	20	0	0	0	0 S	0.0	0.0	0:02.68
7 root cpuset	20	0	0	0	0 S	0.0	0.0	0:00.00
8 root khelper	20	0	0	0	0 S	0.0	0.0	0:00.00
9 root netns	20	0	0	0	0 S	0.0	0.0	0:00.00
10 root async/mgr	20	0	0	0	0 S	0.0	0.0	0:00.00
11 root pm	20	0	0	0	0 S	0.0	0.0	0:00.00
12 root sync_supers	20	0	0	0	0 S	0.0	0.0	0:00.06
13 root default	20	0	0	0	0 S	0.0	0.0	0:00.08 bdi-
14 root kintegrityd/0	20	0	0	0	0 S	0.0	0.0	0:00.00
15 root kblockd/0	20	0	0	0	0 S	0.0	0.0	0:00.20
16 root kacpid	20	0	0	0	0 S	0.0	0.0	0:00.00
17 root kacpi_notify	20	0	0	0	0 S	0.0	0.0	0:00.00
18 root kacpi_hotplug	20	0	0	0	0 S	0.0	0.0	0:00.00
19 root ata/0	20	0	0	0	0 S	0.0	0.0	0:00.00
20 root ata_aux	20	0	0	0	0 S	0.0	0.0	0:00.00
21 root khubd	20	0	0	0	0 S	0.0	0.0	0:00.00
22 root kseriod	20	0	0	0	0 S	0.0	0.0	0:00.00
24 root kslowd000	15	-5	0	0	0 S	0.0	0.0	0:00.00
25 root kslowd001	15	-5	0	0	0 S	0.0	0.0	0:00.00

26	root	20	0	0	0	0	S	0.0	0.0	0:00.01
khungtaskd										
27	root	20	0	0	0	0	S	0.0	0.0	0:00.00
kswapd0										
28	root	25	5	0	0	0	S	0.0	0.0	0:00.00
ksmd										
29	root	20	0	0	0	0	S	0.0	0.0	0:00.00
aio/0										
30	root	20	0	0	0	0	S	0.0	0.0	0:00.00
crypto/0										
34	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
35	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
36	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
37	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
38	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
39	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
40	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
41	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
42	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
43	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:00										
44	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
45	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
46	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
47	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
48	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										
49	root	20	0	0	0	0	S	0.0	0.0	0:00.00
pciehp_d_0000:37										

93	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
uio/0											
94	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
kpsmoused											
95	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
usbhid_resumer											
114	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
kstriped											
529	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_0											
530	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
scsi_eh_1											
539	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
khvcd											
567	root	20	0	0	0	0	S	0.0	0.0	0:00.07	jbd2/vda1-8
568	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-unwrit
618	root	16	-4	4576	1100	432	S	0.0	0.1	0:00.08	
udevd											
1106	root	20	0	0	0	0	S	0.0	0.0	0:00.78	jbd2/vdc1-8
1107	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-unwrit
1151	root	20	0	0	0	0	S	0.0	0.0	0:00.00	jbd2/vdc2-8
1152	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-unwrit
1165	root	20	0	0	0	0	S	0.0	0.0	0:00.00	jbd2/vdc3-8
1166	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-unwrit
1175	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
kjournald											
1328	root	20	0	11280	1304	1100	S	0.0	0.1	0:00.00	
oom.sh											
1332	root	20	0	0	0	0	S	0.0	0.0	0:00.00	
low_mem_thread											
1334	root	20	0	11280	552	300	S	0.0	0.1	0:00.17	
oom.sh											
1440	root	20	0	6104	660	524	S	0.0	0.1	0:00.22	
syslogd											

1444	root	20	0	6848	3380	432	S	0.0	0.3	0:00.08	
klogd											
1499	root	20	0	13172	864	712	S	0.0	0.1	0:00.03	
lldpad											
1511	root	20	0	12844	624	456	S	0.0	0.1	0:00.00	dbus-
daemon											
1543	root	20	0	23252	1140	772	S	0.0	0.1	0:00.00	
sshd											
1551	root	20	0	11120	836	676	S	0.0	0.1	0:00.00	
xinetd											
1583	root	20	0	7012	1096	572	S	0.0	0.1	0:00.35	
crond											
1595	root	20	0	148m	4268	2928	S	0.0	0.4	0:00.13	
libvirtd											
1664	root	20	0	3992	392	312	S	0.0	0.0	0:00.00	
agetty											
1690	root	20	0	3992	388	312	S	0.0	0.0	0:00.00	
agetty											
1692	root	20	0	3992	392	312	S	0.0	0.0	0:00.00	
agetty											
1715	root	18	-2	4572	1064	400	S	0.0	0.1	0:00.00	
udev											
1716	root	18	-2	4572	976	312	S	0.0	0.1	0:00.00	
udev											
1724	root	20	0	0	0	0	S	0.0	0.0	0:00.00	jbd2/vdb1-
8											
1725	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ext4-dio-
unwrit											
1727	root	20	0	144m	11m	3860	S	0.0	1.2	0:04.96	
pm											
1732	root	20	0	201m	7916	4004	S	0.0	0.8	0:00.65	
bios_fpd											
1733	root	20	0	110m	4776	2792	S	0.0	0.5	0:00.14	
calv_alarm_mgr											
1734	root	20	0	424m	19m	5652	S	0.0	1.9	8:20.74	
ccc_driver											
1735	root	20	0	172m	16m	3188	S	0.0	1.7	0:04.05	
cm											
1736	root	20	0	83668	2916	1864	S	0.0	0.3	0:00.67	
debug_client											
1737	root	20	0	120m	9472	2200	S	0.0	0.9	0:00.71	
ds											

1738	root	20	0	106m	3068	1920	S	0.0	0.3	0:00.64	
dumper											
1739	root	20	0	266m	11m	5088	S	0.0	1.2	0:06.72	
envmon											
1740	root	20	0	429m	16m	6060	S	0.0	1.7	0:28.45	
esd											
1741	root	20	0	197m	8192	4900	S	0.0	0.8	0:02.28	
inst_agent											
1742	root	20	0	165m	7552	3932	S	0.0	0.7	0:01.25	
led_mgr											
1743	root	20	0	90160	3340	2136	S	0.0	0.3	0:01.99	
ntp_helper											
1744	root	20	0	175m	7472	4152	S	0.0	0.7	0:02.82	
obfl_mgr											
1745	root	20	0	112m	3608	2332	S	0.0	0.4	0:01.69	
obfl_show											
1746	root	20	0	238m	28m	4140	S	0.0	2.9	0:00.79	
sdr_mgr											
1747	root	20	0	359m	19m	7116	S	0.0	2.0	0:12.10	
shelf_mgr											
1748	root	20	0	102m	4008	2584	S	0.0	0.4	0:00.97	
ship_server											
1749	root	20	0	338m	16m	7192	S	0.0	1.7	7:22.68	
slice_manager											
1750	root	20	0	99584	3280	2108	S	0.0	0.3	0:01.69	
ssh_key_client											
1751	root	20	0	140m	4204	2620	S	0.0	0.4	0:54.73	
syslogd_helper											
1752	root	20	0	102m	3604	2432	S	0.0	0.4	0:00.65	
timezone_notify											
1753	root	20	0	146m	7864	3864	S	0.0	0.8	0:01.68	
vm_manager											
1754	root	20	0	121m	6680	2464	S	0.0	0.7	0:06.02	
wdmon											
1782	root	20	0	37860	2528	1912	S	0.0	0.3	0:00.00	
ssh											
2012	root	20	0	28176	1488	1160	S	0.0	0.1	0:00.26	
ntpd											
4680	root	20	0	0	0	0	S	0.0	0.0	0:00.05	flush-
252:32											
7469	root	20	0	0	0	0	S	0.0	0.0	0:00.00	flush-
252:0											

```

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

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

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

```

```

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

```

```

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

```

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

```

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

```

```

RP/0/RP0/CPU0:CRS-J(admin)#top loc 0/0/CPU0
Wed Nov 27 15:56:40.661 UTC
Sorry, that node can't be found
RP/0/RP0/CPU0:CRS-J(admin)#show plat
Wed Nov 27 15:56:46.461 UTC

```

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

```

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

```

Cisco NCS Router der Serie 6000 - Befehlsreferenzen

- [Befehlsreferenz zur Systemadministration für Cisco NCS Router der Serie 6000](#)
- [Befehlsreferenz zur Systemverwaltung für den Cisco NCS Router der Serie 6000, Version 5.0.x](#)