

# Crashinfo فلم نم تامولعم طاقا

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## قمدملا

نم تامولعملا دادرتسا ةيفيكيو، هيلع يوتحي امو، crashinfo فلم وه ام دنتسملا اذه حضوي فلملا.

## ةيساسألا تابلطتملا

### تابلطتملا

دنتسملا اذهل ةصاخ تابلطتم دجوت ال

### قمدملا تانوكملا

ةيلاتلا ةيداملا تانوكملا او جماربلا تارادصا لىا دنتسملا اذه يف ةدراولا تامولعملا دنتست

- Cisco نم 12000 و 7500 و 7200 و 7000 و 3600 و 1700 ةلسلسلا نم تاهجوملا
- Cisco نم ثدحألا تارادصا او 11.1 رادصا ل IOS® جمارب

ةصاخ ةيلمعم ةئيب يف ةدوجوملا ةزهجالا نم دنتسملا اذه يف ةدراولا تامولعملا عاشنإ مت تناك اذإ. (يضارتفا) حوسمم نيوكتب دنتسملا اذه يف قمدملا ةزهجالا عيمج تادب رثألا مهفت تنأ. رمأ لىا لم تاحملا ريثأتلل كمهف نم دكأتف، لىغشتلا دي قكتكبش رمأ لىا نم لم تاحملا.

### تاحالطصلا

تاحالطصا لوح تامولعملا نم ديزم لىع لوصحلل ةينقتلا Cisco تاحيملت تاحالطصا عجار. تادنتسملا.

# ةيساسأ تامولعم

يف نزملا يلاحلا رايهنالاب ةقلعتملا ةديفملا تامولعمل نم ةعومجم وه crashinfo فلم نإ (ةتقؤملا ةركاذلا) Flash ةركاذ وأ (ةتقؤملا ةركاذلا) Boot Flash ةركاذ.

ةداعإ تامولعم نم ديزملا مزلي، سدكملا وأ تانايبلا فلت ببسب هجوملا لقطع تي ام دنع show stacks طقف يداعلا نم جارخال سيلو لقطعلا نم عونلا اذه عاطخأ حيحصتل لي محتلا erasecat4000\_flash:.

هجوم جلاع م يلع bootflash:crashinfo لىل يضارتفا لكشب لي محتلا ةداعإ تامولعم ةباتك متت Cisco 7500 Route Switch Processor (RSP)، Cisco 7000 هيجوتلاو لي وحتلا جلاعمو، Cisco 12000 نم (GRP) تباچج Processor (RSP)، Cisco نم 7200 ةلسلس تاهجومو.

نيزخت متي، Cisco 7500 Versatile Interface Processor 2 (VIP2) مادختسال ددعت مه جاول جلاع م مقرر وه slot\_no نوكتي ثيح bootflash:vip2\_slot\_no\_crashinfo لىل يضارتفا لكشب فلملا اذه VIP2 ةحتف.

لىل يضارتفا لكشب فلملا نيزخت متي، Cisco 7000 (RP) هيجوتلا جلاع م ةبسنلاب flash:crashinfo.

Cisco IOS software جم انرب تارادصا يف ةرم لوال يضارتفال crashinfo فلم عاشنإ مي دقت مت ةيلاتلا:

- RPs و RSPs لىل ةبسنلاب:

- 11,1(13)CA1
- ج 11.1(19)
- لسكب 11,2(10)
- 11.3(1)
- 11.3(1)T

- ل Cisco 7200s:

- 11,1(18)CA
- ص 11,2(15)
- 11.3(6)
- 11.3(6)AA
- 11-3(6)NA
- 11,3(6)T

- Cisco نم 12000 ماعل GRP لوكوتوربل ةبسنلاب:

- 11.2(11)GS2.1
- 11.2(9)GS7.2
- 11.2(14)GS2.5

موظن أال هذهل 12.2 و 12.1 و 12.0 رادصل إال Cisco IOS جم انرب يف crashinfo عيمجت ةلآ رفوتت ةيساس أال:

- Cisco 1700s:

- 12.1(2)
- 12,1(2)T
- 12.2(1)

- Cisco 2600s:

- 12.1(13)
- 12,2(7)T
- 12.2(7)

- Cisco 3600s:

- 12-2(12)DA
- 12.2(11)T
- 12.2(11)

## Crashinfo فلم تايوتحم

تامولعمل هذه ىلع crashinfo فلم يوتحي:

- رم اوأال تاطوفحم و (لجس) ةدودحم أطخ ةلاس ر
- ل طع ثودح تقو يف اهلي غشت متي يتل ةروصل الفصو
- ةاذاحم ل راهظا
- ةيكلوم و ةرح راثأ
- ةيلعمل لىوتسم سدكم عبتت
- ةيلعمل لىوتسم قاييس
- ةجلعمل لىوتسم سدكم غيرفت ةيلعمل

- عطاق مالا يوتسم سدكم غيرفت
- عي لمعلا يوتسم تامولعم
- عي لمعلا يوتسم لجس ةركاذ غيرفت

## Crashinfo فلم نم تامولعمل اءءاءءسا

show stack ةيانهن ي ف اذه رهظي ،ءيهمءلل (ءءقؤملا ةركاذلا) Flash ةركاذي ف crashinfo رفوء ءنع  
رمألا ءارءا:

```
*****
***** Information of Last System Crash *****
*****
```

```
Using bootflash:crashinfo_20000323-061850. 2000
CMD: 'sh int fas' 03:23:41 UTC Thu Mar 2 2000
CMD: 'sh int fastEthernet 6/0/0' 03:23:44 UTC Thu Mar 2 2000
CMD: 'conf t' 03:23:56 UTC Thu Mar 2 2000
CMD: 'no ip cef di' 03:23:58 UTC Thu Mar 2 2000
CMD: 'no ip cef distributed ' 03:23:58 UTC Thu Mar 2 2000
...
```

ءربم crashinfo ءءرءسا in order to رم اذه ءرءصأ:

```
<#root>
```

```
Router#
```

```
dir bootflash:
```

```
Directory of bootflash:/
```

```
 1  -rw-      4088008   Oct 07 1999 04:51:29  rsp-boot-mz.120-6.6
 2  -rw-      178619    Mar 23 2000 06:18:50  crashinfo_20000323-061850
```

```
7602176 bytes total (3335292 bytes free)
```

```
Router#
```

```
Router#
```

```
more bootflash:crashinfo_20000323-061850
```

```
2000
CMD: 'sh int fas' 03:23:41 UTC Thu Mar 2 2000
CMD: 'sh int fastEthernet 6/0/0' 03:23:44 UTC Thu Mar 2 2000
CMD: 'conf t' 03:23:56 UTC Thu Mar 2 2000
CMD: 'no ip cef DI 03:23:58 UTC Thu Mar 2 2000
CMD: 'no ip cef distributed ' 03:23:58 UTC Thu Mar 2 2000
CMD: 'ip cef' 03:24:01 UTC Thu Mar 2 2000
...
```

# TFTP مداخل إلى Crashinfo فلم خسن

تافللم لاقن لوكوتورب لتاس إلى دربم crashinfo ل تخسن in order to رمأ اذه تردصأ (TFTP): طاسبلم

```
<#root>
```

```
Router#
```

```
dir bootflash:
```

```
1 -rw-      4088008   Oct 07 1999 04:51:29  rsp-boot-mz.120-6.6
2 -rw-      178619    Mar 23 2000 06:18:50  crashinfo_20000323-061850
```

```
Router#copy bootflash:crashinfo_20000323-061850 tftp
```

```
Address or name of remote host []? 10.1.1.1
```

```
Destination filename [crashinfo_20000323-061850 ]?
```

```
!!
```

في شحبا Cisco 12000 GSR ل ةبسنلاب . Slavebootflash: إلى رظناف، يوناثال RSP ل طعت اذا dir bootflash: م ادختساب Boot Flash ةركاذي في ةيفاك ةرح ةحاسم دوجو نم دكأت . sec-bootflash: delete رادصإ مق، ةرح ةحاسم ريفوتل م يدق crashinfo فلم فذلح . erasecat4000\_flash: ةمالع عضو ب رمأل موق في delete bootflash:filename رمأل ضرعي . bootflash:filename erasecat4000\_flash: هتداعتسا نكمي و يلعف لكش ب ةركاذل في فلمل يقب ي نكلو، فلمل إلى ل "فوذحم" squeeze bootflash: erasecat4000\_flash: ل، ةركاذ نم ي عيبط وه تاحم in order to تردصأ

طقف ريخأل ضرعل م ادختساب عي مجتال crashinfo تافللم نكمي، تارم ةدع هجومل ل طعت اذا ل: ل اثم ل لبس إلى ع

```
<#root>
```

```
Router#
```

```
dir /all bootflash:
```

```
##- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
1  .. unknown FD38E5C7 3FD81C 25 3921820 Oct 02 1998 14:43:56
  rsp-boot-mz.112-15a.P.bin
2  .D config AF12EF9F 41C308 9 125547 Oct 16 1998 11:10:10 crashinfo
3  .. config 33DEAF65 43A950 9 124360 Oct 16 1998 11:15:50 crashinfo
```

```
3430064 bytes available (4172112 bytes used)
```

دحاو فلم ضرع نكمي و دحاو فلم فذلح متي هنا طاحال:

```
<#root>
```

Router#

show file bootflash:crashinfo

Compliance with U.S. Export Laws and Regulations - Encryption

This product performs encryption and is regulated for export by the US Government.

..... file continues here.....

Router#

dir /all bootflash:

```
--#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
1 .. unknown FD38E5C7 3FD81C 25 3921820 Oct 02 1998 14:43:56
  rsp-boot-mz.112-15a.P.bin
2 .D config AF12EF9F 41C308 9 125547 Oct 16 1998 11:10:10 crashinfo
3 .. config 33DEAF65 43A950 9 124360 Oct 16 1998 11:15:50 crashinfo
```

3430064 bytes available (4172112 bytes used)

هذه هي محتويات الذاكرة التي تم تحميلها:

<#root>

Router#

delete bootflash:crashinfo

Router#

dir /all bootflash:

```
--#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
1 .. unknown FD38E5C7 3FD81C 25 3921820 Oct 02 1998 14:43:56
  rsp-boot-mz.112-15a.P.bin
2 .D config AF12EF9F 41C308 9 125547 Oct 16 1998 11:10:10 crashinfo
3 .D config 33DEAF65 43A950 9 124360 Oct 16 1998 11:15:50 crashinfo
```

3430064 bytes available (4172112 bytes used)

محتويات الذاكرة بعد الإزالة:

<#root>

Router#

undelete ?

<0-700000> File index

Router#

undelete 2

File undelete error (file not found)

Router#

undelete 2 ?

WORD Device name

Router#

undelete 2 bootflash:

Router#

dir /all bootflash:

```
-#- ED --type-- --crc--- -seek-- nlen -length- -----date/time----- name
1  .. unknown FD38E5C7 3FD81C 25 3921820 Oct 02 1998 14:43:56
  rsp-boot-mz.112-15a.P.bin
2  .. config AF12EF9F 41C308 9 125547 Oct 16 1998 11:10:10 crashinfo
3  .D config 33DEAF65 43A950 9 124360 Oct 16 1998 11:15:50 crashinfo
```

3430064 bytes available (4172112 bytes used)

تالاح ةعجارمل ءارجال اذه ررك show file bootflash:crashinfo erase cat 4000\_flash:.. مع مېدقلا فلملا ربتخا  
مدقلا لقطعلا

## Crashinfo فلم ىلع لاثم

crashinfo فلم ىلع لاثم اذه

=== Flushing messages (07:12:39 UTC Tue Jul 18 2000) ===

Buffered messages:

```
00:00:35: %RSP-3-NOSTART: No microcode for Unknown card, slot 4
00:00:43: %SYS-4-CONFIG_NEWER: Configuration from version 12.1 may not be correctly
understood
00:00:44: %SYS-5-CONFIG_I: Configured from memory by console
00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/1, changed state
to down
00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/2, changed state
to down
00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/3, changed state
to down
00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/4, changed state
to down
00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/5, changed state
to down
```

00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/0, changed state to down  
00:00:44: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
00:00:48: %SYS-5-RESTART: System restarted --  
Cisco Internetwork Operating System Software  
Cisco IOS (r) RSP Software (RSP-PV-M), Version 12.0(10.6)ST, EARLY DEPLOYMENT MAINTENANCE INTERIM SOFTWARE  
Copyright (c) 1986-2000 by cisco Systems, Inc.  
Compiled Fri 23-Jun-00 16:02 by richv  
00:00:53: %LINK-5-CHANGED: Interface Ethernet0/2, changed state to administratively down  
00:00:53: %LINK-5-CHANGED: Interface Ethernet0/3, changed state to administratively down  
00:00:53: %LINK-5-CHANGED: Interface Ethernet0/4, changed state to administratively down  
00:00:53: %LINK-5-CHANGED: Interface Ethernet0/5, changed state to administratively down  
00:00:53: %LINK-5-CHANGED: Interface FastEthernet9/1/0, changed state to administratively down  
00:00:53: %LINK-3-UPDOWN: Interface Ethernet0/0, changed state to up  
00:00:53: %LINK-3-UPDOWN: Interface Ethernet0/1, changed state to up  
00:00:53: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to up  
00:00:54: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to down  
00:00:54: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/0, changed state to up  
00:00:54: %LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/1, changed state to up  
00:01:01: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
00:10:36: %LINK-3-UPDOWN: Interface FastEthernet9/1/0, changed state to up  
00:10:37: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to up  
00:12:26: %SYS-5-CONFIG\_I: Configured from console by console  
00:36:42: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to down  
00:36:43: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
00:37:40: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to up  
00:37:49: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
00:38:19: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to down  
00:38:20: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
00:39:27: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to up  
00:39:36: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
14:20:06: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to down  
14:21:09: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to up  
14:22:54: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to down  
14:26:39: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to up  
16:00:16: %CLEAR-5-COUNTERS: Clear counter on all interfaces by console  
16:10:09: %SYS-5-CONFIG\_I: Configured from console by console  
16:10:28: %SYS-5-CONFIG\_I: Configured from console by console  
16:10:58: %LINK-5-CHANGED: Interface Hssi9/0/1, changed state to administratively down  
16:10:59: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
16:11:03: %SYS-5-CONFIG\_I: Configured from console by console  
16:11:03: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to up  
16:11:15: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
16:12:56: %RSP-3-NOSTART: No microcode for Unknown card, slot 4  
16:13:03: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
16:13:16: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
16:14:01: %SYS-5-CONFIG\_I: Configured from console by console  
16:14:13: %CLEAR-5-COUNTERS: Clear counter on all interfaces by console  
18:00:11: %SYS-5-CONFIG\_I: Configured from console by vty0 (IPv4 address)  
18:00:29: %SYS-5-CONFIG\_I: Configured from console by vty0 (IPv4 address)  
19:36:09: %SYS-5-CONFIG\_I: Configured from console by vty0 (IPv4 address)



21:06:20: %SYS-5-CONFIG\_I: Configured from console by console  
21:10:28: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to down  
21:10:29: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
21:11:30: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to up  
21:11:31: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
21:12:01: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
21:12:09: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to down  
21:13:22: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to up  
21:13:38: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to up  
21:14:08: %LINEPROTO-5-UPDOWN: Line protocol on Interface Hssi9/0/1, changed state to down  
21:37:24: %LINK-3-UPDOWN: Interface Hssi9/0/1, changed state to down  
21:45:03: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet9/1/0, changed state to down

Queued messages:

22:13:19: %SYS-3-LOGGER\_FLUSHING: System pausing to ensure console debugging output.

22:13:19: %SYS-3-LOGGER\_FLUSHED: System was paused for 00:00:00 to ensure console debugging output.

=== Start of Crashinfo Collection (07:12:39 UTC Tue Jul 18 2000) ===

For image:

Cisco Internetwork Operating System Software  
Cisco IOS (r) RSP Software (RSP-PV-M), Version 12.0(10.6)ST, EARLY DEPLOYMENT MAINTENANCE INTERIM SOFTWARE  
Copyright (c) 1986-2000 by cisco Systems, Inc.  
Compiled Fri 23-Jun-00 16:02 by richv  
===== Show Alignment =====

No alignment data has been recorded.

No spurious memory references have been recorded.

===== Malloc and Free Traces =====

MallocFree Trace: ixmallocfree=0x30 ptr=0x6121E5D0 6121E450: 619510A4 6026ED7C  
61955EC0 6026ED7C 6196FDD8 6026ED7C 6197FDD4 6026ED7C 6121E470: 619A0D1C 6026ED7C  
619B0DE8 6026ED7C 619D6A18 6026ED7C 619E6A14 6026ED7C 6121E490: 619F6A10 6026ED7C  
61A06A0C 6026ED7C 61A16A08 6026ED7C 61A26A04 6026ED7C 6121E4B0: 61A39B20 6026ED7C  
61A3D46C 6026ED7C 61A52900 6026ED7C 61A68B74 6026ED7C 6121E4D0: 61A5B358 6026ED7C  
61AD9600 6026ED7C 61AD9E40 6026ED7C 61AE9E3C 6026ED7C 6121E4F0: 61AF9E38 6026ED7C  
61B09E34 6026ED7C 61B211A0 6026ED7C 61A8E6BC 6026ED7C 6121E510: 61AA201C 6026ED7C  
61B209E8 6044EEA8 61B20A40 6044EEA8 61B20A98 6044EEA8 6121E530: 61B20AF0 6044EEA8  
61B20B48 6044EEA8 61B20BA0 6044EEA8 61AB5450 603FBE50 6121E550: 61AB5450 603FBE50  
61AB25F8 60212C2C 61AB265C 60000164 61A7EC5C 30000020 6121E570: 61A7EC5C 602120DC  
61A8839C 3000001E 61A8839C 60474D38 6150FBB4 60474FC4 6121E590: 612AF924 60284B40  
61B46488 6023E360 61B4ABB8 6325AA24 61A3CCD8 6023E378 6121E5B0: 6150FB68 60212C2C  
6150FBB4 60000016 612B29B4 3000001E 612B29B4 602120DC 6121E5D0: 613CA880 601FC4F8  
616F8DA0 6026ED7C 61708D9C 6026ED7C 61718D98 6026ED7C 6121E5F0: 61728D94 6026ED7C  
617440C4 6026ED7C 61744308 6026ED7C 61759038 6026ED7C 6121E610: 61770034 6026ED7C  
6178AD60 6026ED7C 6179AD5C 6026ED7C 617AAD58 6026ED7C 6121E630: 617BAD54 6026ED7C  
61912A5C 6026ED7C 6192C004 6026ED7C 61940974 6026ED7C

===== Stack Trace =====

-Traceback= 60287EE8 602B8D5C 6021CAF4 6022834C 6026BC4C 6026BC38

===== Context =====

RSP Software (RSP-PV-M), Version 12.0(10.6)ST, EARLY DEPLOYMENT MAINTENANCE INTERIM SOFTWARE

Compiled Fri 23-Jun-00 16:02 by richv

Signal = 23, Code = 0x24, Uptime 22:13:19

\$0 : 00000000, AT : 61220000, v0 : 00000032, v1 : 61222AF0  
a0 : 60227BDC, a1 : 6129B958, a2 : 61AD82F8, a3 : 00000000  
t0 : 61A3BA34, t1 : 8000FDA0, t2 : 34008700, t3 : FFFF00FF  
t4 : 00000083, t5 : 3E840024, t6 : 00000000, t7 : 00000000  
s0 : 0000003C, s1 : 00000036, s2 : 00000000, s3 : 61B33FF8  
s4 : 00000000, s5 : 6121E840, s6 : 61209A30, s7 : 00000000

t8 : 602895EC, t9 : 00000000, k0 : 616DD144, k1 : 60290920  
 gp : 610AEDC0, sp : 61B33FE0, s8 : 6120FB00, ra : 602B8D5C  
 EPC : 60287EE8, SREG : 3400E703, Cause : 00000024  
 Error EPC : EFF5BFE7, BadVaddr : 403208D9  
 ===== Stack Dump =====

Stack Frame Pointer in Context is 0x61B33FE0, at process level

61B33BE0:	3	0	8	1	602086F0	60209F0C	0	1
61B33C00:	7FFFFFFD	2	0	3	61B312F0	60209F0C	616E48B4	60208E1C
61B33C20:	616E48B4	FFFFFFF	61B33BDF	20000	614CA664	0	0	1
61B33C40:	7FFFFFFFA	5	0	5	61537304	60209F0C	0	1
61B33C60:	7FFFFFFFA	5	0	5	61537304	60209F0C	0	F
61B33C80:	A	60209A78	61B312F2	1	30B33CD8	0	7FFFFFFF	1
61B33CA0:	0	9	6038DD10	EF	1	F3	0	C
61B33CC0:	61B33CC0	9	61153CC8	61B33FE8	61B34054	FFFFFFF8	0	0
61B33CE0:	6129B958	0	601EE388	6129B958	20220	65	60283F98	20
61B33D00:	4A	60208E1C	6129B958	602B66C4	601EE1D0	4	6129B958	0
61B33D20:	601EE1D8	601EE1C8	603981A4	60208E1C	FFFFFFF	1	3C	6129B958
61B33D40:	0	61B33FF8	A	1	602086F0	6129C2CC	36	1
61B33D60:	602086F0	BOB0B0B0	BOB0B0B0	BOB0B0B0	BOB0B0B0	BOB0B0B0	0	BOB0B0B0
61B33D80:	0	6129C3CD	7FFFFFFE	0	0	1	60E10000	60209BB8
61B33DA0:	0	7FFFFFFF	7FFFFFFE3	1C	0	1C	61B33FA8	60209F0C
61B33DC0:	6129C1BC	6129B958	61B33FD0	61B33FF8	A	1	602086F0	6038DB78
61B33DE0:	61B34120	6129B958	602087AC	2D	A	1	602086F0	1
61B33E00:	616DBEB0	98967D	0	0	0	4	602086F0	FFFFFFF30
61B33E20:	616DBE8C	0	602204DC	0	61B33FC4	60E0F5DA	7D0	0
61B33E40:	4	610A7CD6	60E0F5D8	61B33EE0	0	60208ABC	61B33FC4	1
61B33E60:	60E0F601	61B33E88	0	1	3C	36	0	61B33FF8
61B33E80:	0	23	61209A30	60208E1C	612B2990	0	602120DC	0
61B33EA0:	0	0	6129C668	61B33EF0	0	602120DC	61116268	2
61B33EC0:	FFFFFFFD	D	10000000	60272480	1	100	60212C2C	6129C41C
61B33EE0:	0	6129C3CD	602120DC	61B33FF8	64	A	6129C668	6129C3CD
61B33F00:	61B33FD0	61B33FF8	610A7E80	A	FFFFFFFD	602120E4	61B33FD0	61B33FF8
61B33F20:	610A7E80	A	6129C1BC	6129C3CD	602106E0	602103FC	61209A30	0
61B33F40:	6120FB00	60208A04	61B33FC8	1	0	4C4B0E4	0	0
61B33F60:	61A3BB9C	36	0	61B33FF8	0	6121E840	61209A30	0
61B33F80:	6027A0F8	36	60213150	61B33FC8	FFFFFFFD	FFFFFFF	6027A1EC	6027A1E0
61B33FA0:	4A	61B33FF8	64	36	0	4C4B0E4	64	6027E2F8
61B33FC0:	3C	60208CCC	60E4C2C8	61B33FE4	602B8D4C	FFFFFFF	3C	602B8D54
61B33FE0:	60E4C2A4	FFFFFFFD	0	FFFFFFFE	5	60E3B024	36008935	61537A18
61B34000:	602677B4	61B3408C	60260394	400000	0	0	0	FFFFFFF
61B34020:	60E23C4C	61B34020	0	0	0	FFFFFFF	61B340B0	61537A20
61B34040:	0	0	0	0	FFFFFFFD	1	61537A18	0
61B34060:	0	0	0	0	0	60208980	0	601F2698
61B34080:	60E163C6	61B340B0	0	FFFFFFF	61537A18	61537A18	6021C068	6021C040
61B340A0:	0	60E163B8	6153892B	61B340B0	30373A31	313A3534	20555443	20547565
61B340C0:	204A756C	20313820	32303030	FFFFF	0	0	2400000	61537A18
61B340E0:	60E23C78	60E23C4C	6021B744	FFFFFFF	61537A18	614D2EE4	5	0
61B34100:	6021B74C	6021B63C	1	6129BAE8	0	61537A18	0	1
61B34120:	0	6121E840	61209A30	0	0	6021CAF4	61B34140	0
61B34140:	4A	1	0	0	0	5	0	6129B958
61B34160:	61537A18	0	0	1	0	6129BAE8	61209A30	6022834C
61B34180:	FFFFFFF	FFFFFFF	FFFFFFF	FFFFFFF	1	610A8124	6153890C	FFFFFFF
61B341A0:	1	DFFFFFF	FFFFFFF	6129C3CD	0	0	0	0
61B341C0:	0	0	0	0	0	6026BC4C	FFFFFFF	FFFFFFF
61B341E0:	FFFFFFF	FFFFFFF	6026BC38	FFFFFFF	FFFFFFF	FFFFFFF	FFFFFFF	FFFFFFF
61B34200:	FFFFFFF	FFFFFFF	FFFFFFF	FFFFFFF	FFFFFFF	FD0110DF	AB1234CD	19
61B34220:	614F3BF8	60E34110	6023E098	61B38948	61B31320	80002384	1	6023E360
61B34240:	AFACEFAD	0	0	0	0	0	0	0
61B34260:	0	0	0	0	0	0	0	0
61B34280:	0	0	0	0	0	0	0	0

```

61B342A0:      0      0      0      0      0      0      0      0      0
61B342C0:      0      0      0      0      0      0      0      0      0
61B342E0:      0      0      0      0      0      0      0      0      0
61B34300:      0      0      0      0      0      0      0      0      0
61B34320:      0      0      0      0      0      0      0      0      0
61B34340:      0      0      0      0      0      0      0      0      0
61B34360:      0      0      0      0      0      0      0      0      0
61B34380:      0      0      0      0      0      0      0      0      0
61B343A0:      0      0      0      0      0      0      0      0      0
61B343C0:      0      0      0      0      0      0      0      0      0

```

=====  
Process Level Info  
=====

---- Current Process Block (at 0x61A3BA34) ----

```

61A3BA0C: AB1234CD      4A 61A3BA34 60E432B4 60290684 61A3BC50 61A3B88C 8000010E
61A3BA2C:      1 606FB390 61B31334 8000FDA0 60227BDC 6129B958      64      36
61A3BA4C:      0 61B33FF8      0 6121E840 61209A30      0 6120FB00 61B341F0
61A3BA6C:      0 6027E32C      0      0      0      0 10100      1
61A3BA8C:      0      0      0      4A      0      0 10492E8 1040BB8
61A3BAAC:      0      0      0      ED58      0 6129B958  F084C      0
61A3BACC:      0 4C4B0E4      0 4C4B0E4 435CC9  AA0EE 60E0EEE4      3
61A3BAEC:      0      0      73      52      2EE0      2EE0 6129B958      0
61A3BB0C:      0      0      0      0      0      0      0 61B1A00C
61A3BB2C: 61A3BA34 6121E800      0      0 61222C80      0      0      0
61A3BB4C:      4230      0      0      0 61A3BB34      0      0      0
61A3BB6C:      4280 61A3BA34      0      0      0      0 61A3BB34 61A3BA34
61A3BB8C:      0      0 142D0      0      0      0 61A3BB34 61A3BA34
61A3BBAC:      0      0 242F0      0      0      0      0      0
61A3BBCC:      0 61754D5C      0      0      0      0      0      0
61A3BBEC:      0      0      0 61754DB8 61A3BBE4 61754D64      0 61223950
61A3BC0C:      0      0      0 FFFFFFFF FFFFFFFF      0      0      0
61A3BC2C:      0      0      0      0      0 61AA1F10      0 BEEFCAFE

```

---- Partial decode of process block ----

```

Pid 74: Process "Exec" stack 0x61B31334 savedsp 0x8000FDA0
Flags: analyze crashblock on_old_queue
Regs s0-s8,ra at last suspend; a0,a1,sp from proc creation, PC unused:
  a0: 60227BDC  a1: 6129B958  s0: 00000064  s1: 00000036  s2: 00000000
  s3: 61B33FF8  s4: 00000000  s5: 6121E840  s6: 61209A30  s7: 00000000
  s8: 6120FB00  sp: 61B341F0  PC: 00000000  ra: 6027E32C
Status      0x00000000  Orig_ra  0x00000000  Routine  0x00000000  Signal  0
Caller_pc   0x00000000  Callee_pc 0x00000000  Dbg_events 0x00000000  State   0
Totmalloc  17076968  Totfree   17042360  Totgetbuf  0
Totretbuf  0          Edisms    0x0          Eparm     0x6129B958
Elapsed    0xF084C  Ncalls    0x435CC9  Ngiveups  0xAA0EE
Priority_q  3          Ticks_5s  0          Cpu_5sec  0          Cpu_1min 115
Cpu_5min   82          Stacksize 0x2EE0    Lowstack  0x2EE0
Ttyptr     0x6129B958  Mem_holding 0x0        Thrash_count 0
Wakeup_reasons 0x0FFFFFFF  Default_wakeup_reasons 0x0FFFFFFF
Direct_wakeup_major 0x00000000  Direct_wakeup_minor 0x00000000

```

---- Current Process Stack (0xB44 bytes used, out of 0x2EE0 available) ----

Current SP = 0x61B33FE0, saved SP = 0x8000FDA0

```

61B33E14:      4 602086F0 FFFFFFF30 616DBE8C      0 602204DC      0 61B33FC4
61B33E34: 60E0F5DA      7D0      0      4 610A7CD6 60E0F5D8 61B33EE0      0
61B33E54: 60208ABC 61B33FC4      1 60E0F601 61B33E88      0      1      3C
61B33E74:      36      0 61B33FF8      0      23 61209A30 60208E1C 612B2990
61B33E94:      0 602120DC      0      0      0 6129C668 61B33EF0      0

```

```

61B33EB4: 602120DC 61116268      2 FFFFFFFD      D 10000000 60272480      1
61B33ED4:      100 60212C2C 6129C41C      0 6129C3CD 602120DC 61B33FF8      64
61B33EF4:      A 6129C668 6129C3CD 61B33FD0 61B33FF8 610A7E80      A FFFFFFFD
61B33F14: 602120E4 61B33FD0 61B33FF8 610A7E80      A 6129C1BC 6129C3CD 602106E0
61B33F34: 602103FC 61209A30      0 6120FB00 60208A04 61B33FC8      1      0
61B33F54: 4C4B0E4      0      0 61A3BB9C      36      0 61B33FF8      0
61B33F74: 6121E840 61209A30      0 6027A0F8      36 60213150 61B33FC8 FFFFFFFD
61B33F94: FFFFFFFF 6027A1EC 6027A1E0      4A 61B33FF8      64      36      0
61B33FB4: 4C4B0E4      64 6027E2F8      3C 60208CCC 60E4C2C8 61B33FE4 602B8D4C
61B33FD4: FFFFFFFF      3C 602B8D54 60E4C2A4 FFFFFFFD      0 FFFFFFFE      5
61B33FF4: 60E3B024 36008935 61537A18 602677B4 61B3408C 60260394 400000      0
61B34014:      0      0 FFFFFFFF 60E23C4C 61B34020      0      0      0
61B34034: FFFFFFFF 61B340B0 61537A20      0      0      0      0 FFFFFFFD
61B34054:      1 61537A18      0      0      0      0      0      0
61B34074: 60208980      0 601F2698 60E163C6 61B340B0      0 FFFFFFFF 61537A18
61B34094: 61537A18 6021C068 6021C040      0 60E163B8 6153892B 61B340B0 30373A31
61B340B4: 313A3534 20555443 20547565 204A756C 20313820 32303030 FFFFFFFF      0
61B340D4:      0 2400000 61537A18 60E23C78 60E23C4C 6021B744 FFFFFFFF 61537A18
61B340F4: 614D2EE4      5      0 6021B74C 6021B63C      1 6129BAE8      0
61B34114: 61537A18      0      1      0 6121E840 61209A30      0      0
61B34134: 6021CAF4 61B34140      0      4A      1      0      0      0
61B34154:      5      0 6129B958 61537A18      0      0      1      0
61B34174: 6129BAE8 61209A30 6022834C FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF      1
61B34194: 610A8124 6153890C FFFFFFFF      1 DFFFFFF FFFFFFFF 6129C3CD      0
61B341B4:      0      0      0      0      0      0      0      0
61B341D4: 6026BC4C FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF 6026BC38 FFFFFFFF FFFFFFFF
61B341F4: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

```

==== Interrupt Level Stack Dump =====

WARNING: Interrupt stack dumps are consistent ONLY for interrupts which are blocked during exception handling. Also register output is valid ONLY for interrupts which store an r4k\_context block on the stack.

---- Level 1 Interrupt stack (0x3BC bytes used, out of 0x2328 available) ----

```

intstacks[1]: base 0x61502F44 stack 0x61505268 routine 0x602CB5A4 count 0x15B17FD
               size 0x2328      low 0x2328      desc 0x60E49E58

```

```

61504EB0:      0 6019F318 FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
61504ED0: 6129B958 612581A0 612581A0 48009CE0 AC82817 4061E5E8      0 61207AB0
61504EF0: 612581A0 601BADFC 61758CA4 61758B5C      0 6125F280      0 4ADB38C
61504F10:      0 4ADB388 61222C80      1      8 60E40000      5A      5A
61504F30: 61A3BB24      0 61758CA4 61758B5C      0 612581A0 6027A968 6027F4C0
61504F50: 6176B108 6176AFC0      0 612581A0 6027A968 61758B5C 6023E628 6027EEEE0
61504F70:      8 6176AFC0      8 6176AFC0      8 6027EEEE0      8 614F0630
61504F90:      8 614F0630      8 6027EEEE0      1 6027F4C0 61812740 612581A0
61504FB0: 614F40AC 614BEE54      1 6027F4C0 615076E0 6027FB80 614BEE54 612581A0
61504FD0: 614BEE54 612581A0 615076E0 6027FB80      3C      3C 602BF0C4      0
61504FF0: 61869450 6024DE78 615076E0 602BF0C4 61869450 612581A0 6024DE44      0
61505010: 615076E0 612581A0      EE 61869450 615076E0 612581A0      EE 602BF360
61505030:      200 6111E828 61A3BB24      0      7 612581A0 405BBA5A      7
61505050:      200 6111E828 602C15B0 602C136C 615076E0      7 405BBA68      E0
61505070: 61A8C144 612581A0 612581A0 4800AC10 585BBA5A 602CE360 FFFFFFFF FFFFFFFF
61505090: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
615050B0: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF
615050D0:      0 2AB60919 FFFFFFFF      0      60 1000C00      0 FFFFFFFF
615050F0: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF 61A8C144 61222CB0
61505110: 8000FE30      0      1      0 61B1A00C      0 61220000 6028BEE8
61505130: FFFFFFFF FFFFFFFF      0 61220000      0      1      0 61A8C234
61505150:      0      0      0 4C4A138      0      0      0      0
61505170:      0 61222FA0      0 61AA07A8      0      1 FFFFFFFF FFFF00FF
61505190:      0      83      0 3E840024      0      400      0      0
615051B0: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF

```

615051D0: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF  
615051F0: 0 602895EC 0 0 0 616DD144 0 60290920  
61505210: FFFFFFFF FFFFFFFF FFFFFFFF 8000FE20 FFFFFFFF FFFFFFFF 0 60294680  
61505230: 3400E703 FFFFFFFF FFFFFFFF 932D9556 FFFFFFFF FD40711A FFFFFFFF FFFFFFFF  
61505250: FFFFFFFF FFFFFFFF 0 60292830 FFFFFFFF FFFFFFFF FFFFFFFF  
\$0 : FFFFFFFF, AT : 61220000, v0 : 00000001, v1 : 61A8C234  
a0 : 00000000, a1 : 04C4A138, a2 : 00000000, a3 : 00000000  
t0 : 61222FA0, t1 : 61AA07A8, t2 : 00000001, t3 : FFFF00FF  
t4 : 00000083, t5 : 3E840024, t6 : 00000400, t7 : 00000000  
s0 : FFFFFFFF, s1 : FFFFFFFF, s2 : FFFFFFFF, s3 : FFFFFFFF  
s4 : FFFFFFFF, s5 : FFFFFFFF, s6 : FFFFFFFF, s7 : FFFFFFFF  
t8 : 602895EC, t9 : 00000000, k0 : 616DD144, k1 : 60290920  
gp : FFFFFFFF, sp : 8000FE20, s8 : FFFFFFFF, ra : 60294680  
EPC : 60292830, ErrorEPC : FFFFFFFF, SREG : 3400E703

---- Level 2 Interrupt stack (0x3C8 bytes used, out of 0x2328 available) ----

...  
...  
...

---- Level 7 Interrupt stack (0x190 bytes used, out of 0x2328 available) ----

intstacks[7]: base 0x61297120 stack 0x61299440 routine 0x6028B3D8 count 0x1313314  
size 0x2328 low 0x2328 desc 0x60E40D18

612992B8: 0 AF5C 0 4C4B0E4 FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF  
612992D8: 61A4FOCC 1680 61220000 6028B4E8 FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF  
612992F8: 6028A2BC 38 6028B2DC FFFFFFFF FFFFFFFF FFFFFFFF 0 24  
61299318: 0 121A3 0 3 0 7CDEBEBE 0 3E8  
61299338: 0 3E8 0 8 0 F4240 0 34008001  
61299358: 0 34008000 FFFFFFFF FFFF00FF 0 6107EEF0 0 FF  
61299378: 0 6107EC98 0 8B4CEA FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF  
61299398: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF  
612993B8: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF 0 39AF 0 0  
612993D8: 0 61221940 0 0 FFFFFFFF FFFFFFFF 0 6107EA20  
612993F8: FFFFFFFF FFFFFFFF 0 6028B170 34008003 FFFFFFFF 0 1E848  
61299418: 0 0 FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF 0 6028B2DC  
61299438: FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF  
\$0 : FFFFFFFF, AT : 00000024, v0 : 00000000, v1 : 80808080  
a0 : 00004DC0, a1 : 0053348C, a2 : 6107EA40, a3 : 00000004  
t0 : 29292929, t1 : 34008001, t2 : 34008000, t3 : FFFF00FF  
t4 : 6107EEF0, t5 : 000000FF, t6 : 6107EC98, t7 : 008B4CEA  
s0 : FFFFFFFF, s1 : FFFFFFFF, s2 : FFFFFFFF, s3 : FFFFFFFF  
s4 : FFFFFFFF, s5 : FFFFFFFF, s6 : FFFFFFFF, s7 : FFFFFFFF  
t8 : 000039AF, t9 : 00000000, k0 : 61221940, k1 : 00000000  
gp : FFFFFFFF, sp : 6107EA30, s8 : FFFFFFFF, ra : 60395FBC  
EPC : 60395FB4, ErrorEPC : FFFFFFFF, SREG : 34008003

===== Register Memory Dump =====

Reg00(\$0): 0 [Not RAM Addr]  
Reg01(AT): 61220000  
Reg02(v0): 32 [Not RAM Addr]  
Reg03(v1): 61222AF0  
Reg04(a0): 60227BDC  
Reg05(a1): 6129B958 [In malloc Block 0x6129B930] [Last malloc Block 0x6129B850]  
Reg06(a2): 61AD82F8 [In malloc Block 0x61AD82D0]  
Reg07(a3): 0 [Not RAM Addr]  
Reg08(t0): 61A3BA34 [In malloc Block 0x61A3BA0C] [Last malloc Block 0x61A3B878]  
Reg09(t1): 8000FDA0  
Reg10(t2): 34008700 [Not RAM Addr]  
Reg11(t3): FFFF00FF [Not RAM Addr]

```

Reg12(t4):      83 [Not RAM Addr]
Reg13(t5): 3E840024 [Not RAM Addr]
Reg14(t6):      0 [Not RAM Addr]
Reg15(t7):      0 [Not RAM Addr]
Reg16(s0):      3C [Not RAM Addr]
Reg17(s1):      36 [Not RAM Addr]
Reg18(s2):      0 [Not RAM Addr]
Reg19(s3): 61B33FF8
Reg20(s4):      0 [Not RAM Addr]
Reg21(s5): 6121E840
Reg22(s6): 61209A30
Reg23(s7):      0 [Not RAM Addr]
Reg24(t8): 602895EC
Reg25(t9):      0 [Not RAM Addr]
Reg26(k0): 616DD144 [In malloc Block 0x616DD0FC] [Last malloc Block 0x616DCFD0]
Reg27(k1): 60290920
Reg28(gp): 610AEDC0
Reg29(sp): 61B33FE0
Reg30(s8): 6120FB00
Reg31(ra): 602B8D5C
---- block0 ptr=61220000 is_malloc=0 ----

6121FFC0:      0      0      0      0      0      0      0      0      0
6121FFE0:      0      0      0      0      0      0      0      0      0
61220000:      0      0      0      0      0      0      0      0      0
61220020:      0      0      0      0      0      0      0      0      0
61220040:      0      0      0      0      0      0      0      0      0
61220060:      0      0      0      0      0      0      0      0      0
61220080:      0      0 602833AC      0      0 602833AC      0      0
612200A0: 602833AC      0      0 602833AC      0      0 602833AC      0
612200C0:      0 602833AC      0      0 602833AC      68      0 602833AC
612200E0:      0      0      0      0      0      0      0      0 603F0E50
---- block1 ptr=61222AF0 is_malloc=0 ----
...
...
...

---- block95 ptr=66682064 is_malloc=0 ----

66682024:      0      0      0      0      0      0      0      0      0
66682044:      0      0      0      0      0      0      0      0      0
66682064:      0      0      0      0      0      0      0      0      0
66682084:      0      0      0      0      0      0      0      0      0
666820A4:      0      0      0      0      0      0      0      0      0
666820C4:      0      0      0      0      0      0      0      0      0
666820E4:      0      0      0      0      0      0      0      0      0
66682104:      0      0      0      0      0      0      0      0      0
66682124:      0      0      0      0      0      0      0      0      0
66682144:      0      0      0      0      0      0      0      0      0

```

==== End of Crashinfo Collection =====

## ةلص تاذا تامول عم

- [اهجالص او هجومل اءاطخأ فاشكتسأ](#)
- [تادنتس مل او ينقتل ا مع دل ا - Cisco Systems](#)

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