



◆āffāf^āf~āf¼ā,~ā,ĸā,ṁāf āf—āfāf^ā,³āf«(NTP):UDPāf◆āf¼āf^123

- Label Distribution Protocol(LDP):UDPāf◆āf¼āf^646
- Syslog:UDPāf◆āf¼āf^514

UDPā,`è»cé€◆āfĵā,«āf<ā,°āf ā◆ ``ā◆—ā◆|ā½ĸč"``ā◆TMā,«Cisco IOS  
XRāf‡āf◆ā,ṁā,¹ā◆«è`āṀšā◆•ā,Āā◆|ā◆,,ā,«æ½œāœ`çš,,ā◆ªæ©Ÿèf½ā,'ā^ṁā^Ÿā◆TMā,«ā◆«ā◆-ā

**show udp**

briefā,³āfžāf³āf%āf©ā,ṁāf³ā,ṁāf³ā,ĸāf¼āf•ā,§ā,ṁā,¹(CLI)ā,³āfžāf³āf%ā,`çTM°è;Āā◆—ā◆¼ā◆TMā€ ,āfāf  
Address)]ā^—ā◆Ṁæœ€ā¼Āā◆Ṁçªā◆•ā,»āffāf^ā◆šçṁ°ā◆•ā,Āā◆¼ā◆TMā€, ā◆Ÿā◆`ā◆^ā◆°ā

<#root>

```
RP/0/0/CPU0:example#show udp brief
Tue Aug 27 08:57:56.255 PST
   PCB          VRF-ID          Recv-Q  Send-Q  Local Address          Foreign Address
0x500f87c4 0x60000000          0         0
:::123
               :::0
0x500f9af8 0x00000000          0         0
:::123
               :::0
0x500fc28c 0x60000000          0         0  :::161               :::0
0x500fc074 0x00000000          0         0  :::161               :::0
0x500fc88c 0x60000000          0         0  :::162               :::0
0x500fc5fc 0x00000000          0         0  :::162               :::0
0x500f8404 0x60000000          0         0  0.0.0.0:514         0.0.0.0:0
0x500fa4d8 0x60000000          0         0

0.0.0.0:123
               0.0.0.0:0
0x500fa338 0x00000000          0         0

0.0.0.0:123
               0.0.0.0:0
0x500fce3c 0x60000000          0         0  0.0.0.0:646         0.0.0.0:0
0x500f9c98 0x60000000          0         0  0.0.0.0:161         0.0.0.0:0
0x500fb360 0x00000000          0         0  0.0.0.0:161         0.0.0.0:0
0x500fbbbc 0x60000000          0         0  0.0.0.0:162         0.0.0.0:0
0x500fa184 0x00000000          0         0  0.0.0.0:162         0.0.0.0:0
0x500f8f10 0x00000000          0         0  0.0.0.0:0           0.0.0.0:0
RP/0/0/CPU0:example#
```

ā,·ā,¹ā,³āf‡āf◆ā,ṁā,¹ā◆«ā,ṁāf³ā,¹āf^āf¼āf«ā◆•ā,Āā◆|ā◆,,ā,«Cisco IOS  
XRā,½āf•āf^ā,'ā,šā,čā◆Ṁāf◆āf¼ā,»āfšāf³ā,'çç°èª◆ā◆TMā,«ā◆«ā◆-ā◆çṀ;çṀtè€...ā◆Āāf‡āf◆ā

**show**

versionā,³āfžāf³āf%ā,`çTM°è;Āā◆—ā◆€◆ā,·ā,¹āf‡āf āf◆āfšāf¼ā,`èj`çṁ°ā◆—ā◆¼ā◆TMā€,ā,·ā,¹āf‡āf  
IOS XR

Software © 2013 Cisco  
IOS

XR Software © 2013 Cisco  
IOS XR Software © 2013 Cisco

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XR Software © 2013 Cisco  
12000 © 2013 Cisco

<#root>

RP/0/0/CPU0:example#show version brief  
Tue Aug 27 09:07:39.614 PST

Cisco IOS XR Software,

Version 4.3.1

[Default]  
Copyright (c) 2013 by Cisco Systems, Inc.

ROM: System Bootstrap, Version 12.00(20090302:133850) [rtauro-sw30346-33S 1.23dev(0.36)] DEVELOPMENT  
Copyright (c) 1994-2009 by cisco Systems, Inc.

Cisco IOS

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[IOS XR Software](#) © 2013 Cisco

Cisco IOS

XR Software © 2013 Cisco  
[White Paper: Guidelines for Cisco IOS XR Software](#) © 2013 Cisco

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Cisco IOS XR, ½ãf•ãf^ã, lã, šã, çã @ãfjãfçãfªæž æ, †ã @è,, †ã¼±æ€š

Cisco IOS

XR, ½ãf•ãf^ã, lã, šã, çã @ãf¼ã, ãfšãf³4.3.1 @UDPãf—ãfã, »ã, ¹ã «ã Šãã, «è,, †ã¼±æ€šã «ã, ^ã, Šã€

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ã “ã @è,, †ã¼±æ€šã -ã€ Cisco Bug ID [CSCue69413](#)(

[ç™»é€²ãf¼ã, ¶ã°, ç™”\)ã ”ã —ã | æ-†æ, ã€-ã •ã, €ã€ Common Vulnerabilities and](#)

Exposures(CVE)IDã ”ã —ã | CVE-2013-

5503ã €ã%²ã, Šã½”ã |ã, %oã, €ã |ã,,ã¾ã™ã€,

ã “ã @è,, †ã¼±æ€šã -ã€ è²ã½”ãf†ãfã, ¢ã, ¹ã @ãfªã, ¹ãf<ãf³ã, °UDPã, µãf¼ãf”ã, ¹ã>ã |ã @æ

è,, †ã¼±æ€šã €ã, æ£ã^©ç™”ã •ã, €ã, <ã ”ã€ãf†ãfã, ¢ã, ¹ã -æ-¼ã @è |ã Šãfjãffã, »ãf¼ã, ã, ç™™

%PKT\_INFRA-PAKWATCH-4-DEPLETION\_WARNING : Depletion level <value> percent for resource  
PAK FSV

ãf†ãfã, ¢ã, ¹ã «ãfã, °ã, ¢ãf³ã —ã€ CLIã, ³ãfžãf³ãf%o show packet-memory

summaryã, ç™™è; €ã™ã, <ã “ã ”ã, æž”ã¥”ã —ã¾ã™ã€, åª°ãŠã Šã€ UDPãf—ãfã, »ã, ¹ã €

```
RP/0/0/CPU0:example#show packet-memory summary
Wed Aug 28 07:53:21.667 PST
  ProcId   JobId Count  Percentage Process
739020993   403 17992    100.00% pkg/bin/udp
RP/0/0/CPU0:example#
```

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Reverse Path Forwarding

## Reverse Path Forwarding

IOS, 1/2, 3/4, 5/6, 7/8, 9/10, 11/12, 13/14, 15/16, 17/18, 19/20, 21/22, 23/24, 25/26, 27/28, 29/30, 31/32, 33/34, 35/36, 37/38, 39/40, 41/42, 43/44, 45/46, 47/48, 49/50, 51/52, 53/54, 55/56, 57/58, 59/60, 61/62, 63/64, 65/66, 67/68, 69/70, 71/72, 73/74, 75/76, 77/78, 79/80, 81/82, 83/84, 85/86, 87/88, 89/90, 91/92, 93/94, 95/96, 97/98, 99/100

Reverse Path Forwarding

Reverse Path Forwarding

```
RP/0/0/CPU0:example#show udp brief
```

```
Tue Aug 27 08:57:56.255 PST
```

PCB	VRF-ID	Recv-Q	Send-Q	Local Address	Foreign Address
0x500f87c4	0x60000000	0	0	:::123	:::0
0x500f9af8	0x00000000	0	0	:::123	:::0
0x500fc28c	0x60000000	0	0	:::161	:::0
0x500fc074	0x00000000	0	0	:::161	:::0
0x500fc88c	0x60000000	0	0	:::162	:::0
0x500fc5fc	0x00000000	0	0	:::162	:::0
0x500f8404	0x60000000	0	0	0.0.0.0:514	0.0.0.0:0
0x500fa4d8	0x60000000	0	0	0.0.0.0:123	0.0.0.0:0
0x500fa338	0x00000000	0	0	0.0.0.0:123	0.0.0.0:0
0x500fce3c	0x60000000	0	0	0.0.0.0:646	0.0.0.0:0
0x500f9c98	0x60000000	0	0	0.0.0.0:161	0.0.0.0:0
0x500fb360	0x00000000	0	0	0.0.0.0:161	0.0.0.0:0
0x500fbbbc	0x60000000	0	0	0.0.0.0:162	0.0.0.0:0
0x500fa184	0x00000000	0	0	0.0.0.0:162	0.0.0.0:0
0x500f8f10	0x00000000	0	0	0.0.0.0:0	0.0.0.0:0

```
RP/0/0/CPU0:example#
```

```
RP/0/0/CPU0:example#configure term
```

```
ipv4 access-list ACL-INFRASTRUCTURE-IN
```

```

!
! Permit trusted sources to the local IP infrastructure address space
!
10 permit udp host "trusted-ntp-peer" host "local-ip-address" eq 123
20 permit udp host "trusted-snmp-peer" host "local-ip-address" range 161 162
30 permit udp host "trusted-syslog-server" any eq 514
40 permit udp host "trusted-ldp-peer" any eq 646
!
! Deny all other IP traffic to any network device
!
50 Deny ipv4 any "infrastructure-address-space" "mask"
! Permit transit traffic
!
60 permit ipv4 any any

```

ACL, 1/2, 3/4, 5/6, 7/8, 9/10, 11/12, 13/14, 15/16, 17/18, 19/20, 21/22, 23/24, 25/26, 27/28, 29/30, 31/32, 33/34, 35/36, 37/38, 39/40, 41/42, 43/44, 45/46, 47/48, 49/50, 51/52, 53/54, 55/56, 57/58, 59/60, 61/62, 63/64, 65/66, 67/68, 69/70, 71/72, 73/74, 75/76, 77/78, 79/80, 81/82, 83/84, 85/86, 87/88, 89/90, 91/92, 93/94, 95/96, 97/98, 99/100



FastEthernet0/1/0/4

```
NULLIFHNDL 0x4d612904
0xe3128918 57 NULLIFHNDL NULLIFHNDL 0x00000000
0xe3129200 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe3129590 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe3129ae8 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe3129cb0 57 NULLIFHNDL NULLIFHNDL 0x00000000
0xe3129e78 57 NULLIFHNDL NULLIFHNDL 0x00000000
0xe312a598 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe312a760 57 NULLIFHNDL NULLIFHNDL 0x00000000
0xe312aaf0 57 NULLIFHNDL NULLIFHNDL 0x00000000
0xe312acb8 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe312ae80 57 NULLIFHNDL NULLIFHNDL 0x00000000
0xe312b5a0 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe312b930 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe312c3e0 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
0xe312c5a8 405 FastEthernet0/1/0/4NULLIFHNDL 0x4d612904
--More--
```

3. äf«äff¼ã,ã, 'ã@%ã@šã•ã»ã,æœ€ã,,è¿...é€Ÿãªæ-¹æ³•ã-ã€æ"»æ'fã®ç™ª¿ã...fãšã

4. UDPãf—ãfã,ã,ã, 'ã†èµ•ã—ã¾ã™ã€,

```
RP/0/0/CPU0:example#admin
Wed Aug 28 08:41:20.435 PST
RP/0/0/CPU0:example(admin)#process restart 405
```

5. é©â^ãªSMUã,'é©ç"ã™ã,ã€ãffãã,ã,ã,¹ã,'Cisco IOS  
XRãfãff¼ã,ãfšãf³4.3.2ã»¥é™ã«ã,çãffãf—ã,ªf-ãff¼ãf%ã—ã¾ã™ã€,

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Applied Intelligenceã®ãf%ã,ãf¥ãfãf³ãf(  
<https://sec.cloudapps.cisco.com/security/center/viewAMBAAlert.x?alertId=30921>)ã, 'ã,ç...šã—ã|ãªªãª

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## 翻訳について

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