

快速入门指南 — 各种路由和平台 (IOS和IOS-XE路由器) 相关问题的数据收集

目录

[简介](#)

[前提条件](#)

[要求](#)

[使用的组件](#)

[请求的基本信息](#)

[路由器和IOS-XE架构](#)

[IOS-XE意外重新加载](#)

[IOS-XE引导故障](#)

[IOS-XE软件版本选择帮助](#)

[IOS-XE内存泄漏](#)

[IOS-XE ISSU升级](#)

[IOS-XE设备许可](#)

[路由协议问题](#)

[BGP/EIGRP/OSPF/静态路由](#)

[EIGRP邻居抖动问题：](#)

[路由器上的NAT/PAT \(网络/端口地址转换 \)](#)

[独立于平台的Show命令](#)

[平台相关的Show命令](#)

[IWAN](#)

[其他错误日志](#)

[与%FMFP-3-OBJ_DWNLD_TO_DP_STUCK相关的错误](#)

IOSIOS-XEshow(TAC)(SR)

Cisco

- IOSIOS-XE
- (CLI)IOSIOS-XE

- ASR1000
- ISR4000
- ISR1000
- CSR1000v
- IOS(ISRG1/G2)

1. /
- 2.
- 3.
4. /
- 5.
6. /

路由器和IOS-XE架构

IOSIOS-XE“Show Tech”

TAC

IOS-XE

“”

1. “show tech”
2. Bootflash/

Router#show bootflash: |

Router#show bootflash: |

3. tracelogsbootflash

Router#request platform software trace rotate all

Router#request platform software trace slot rp active archive target bootflash:

- 4.

(16.11.x)bootflashSystem-reporttar

- 1.
- 2.
3. /
4. RP/

16.11”

Router#sh bootflash: |在sys中

12 2020年10月20日45 05:08:05.0000000000 +00:00 /bootflash/core/system-report_20201020-050805-UTC.tar.gz <<<

IOS-XE引导故障

RP

1. “show tech”
2. “”
3. LED

4. (RPESPSIP/SPA)
5. RP“**show logging**”

Router#hw-module slot <slot-num> reload

Router#hw-module subslot <slot-num/subslot num> reload

IOS-XE

IOSIOS

1. CCOSuggested(Star Marked)
2. IOS-XE [IOS-XE](#)
3. 3.x16.xIOS [_](#)

IOS-XE

IOS-XE

IOS-XE

- [IOS-XE](#)

16.9.x“Show Tech Memory”

1. “Show tech”
2. **show platform software status control-processor brief**
3. **show platform software process list rp active sort memory**
4. **show platform software process memory rp active all sort**
5. **show platform software process slot rp active monitor cycles 2**
6. **show platform software process list fp active summary**
7. **show platform software process slot fp active monitor cycles 2**
8. **show platform hardware qfp active infrastructure exmem statistics**
9. **show platform hardware qfp active infrastructure exmem statistics user**
10. **show platform hardware qfp active tcam resource-manager usage**
11. **show platform hardware qfp active classification feature tcam-usage**
12. **show platform hardware qfp active classification class-group-manager class-group all**

16.2cli:

1. **show platform resources**

2. **show memory platform**
3. **show process memory platform sorted**
4. **show process cpu platform monitor cycles 2**
5. **show process memory platform sorted location fp active**

“2”

IOS-XE ISSU

ISSU ISSU:

- [ISSU —](#)
- [ISSU](#)

IOS-XE

“”

1. **show tech-support licenses**

(ASR1K :16.9.xISR4K:16.12.x)

2. **show license all**
3. **show license version**
4. **show license summary**
- 5.
6. **show license usage**
7. **show license udi**

IOS IOS-XE “Show Tech”

TAC

BGP/EIGRP/OSPF/

“” “Show tech”

“BGP	Show tech-support bgp
	Show ip eigrp events
	Show ip eigrp interfaces
EIGRP	Show ip eigrp neighbors
	Show ip eigrp topology
	Show ip eigrp traffic
OSPF	Show tech-support ospf
	Show tech-support

“show tech bgp”IOS“Base Information Requested”

BGP

- [BGP —](#)

EIGRP

EIGRPEEM

- [EIGRP - EEM](#)

NAT/PAT/

IOS-XENATIOS NAT(FMAN)QFPNATQFPIOS-XENATQFPIOSipaliaswlan

NAT/PATNATIOS-XENAT/PATIOS-XENAT

1. show tech-support nat

16.9.x

Show

1. show ip nat statistics

2. show ip nat translation

“show ip nat translation”

3. show ip nat translation udp total

4. show ip nat translation inside

5. show ip aliases

Show

1. show platform hardware qfp active statistics drop | exc _0 <<<NAT

2. show platform hardware qfp active feature nat datapath map

3. show platform hardware qfp active feature nat datapath port

4. show platform hardware qfp active feature nat datapath pool

5. show platform hardware qfp active feature nat datapath stat

6. show platform hardware qfp active feature nat datapath base

7. show platform hardware qfp active infrastructure exmem statistics user

8. show platform hardware qfp active infrastructure exmem stat

9. show platform hardware qfp active feature nat datapath gatein

10. show platform hardware qfp active feature nat datapath gateout

IWAN

iWANiWANDMVPNIPSEC(MPLS/INET)PFREIGRP SAFiWANiWAN""(MC)""(BR)iWAN

iWAN

- /
- EIGRP SAF
-
- TCA
-

MC —

1. **show tech-support**
2. **show domain IWAN master discovered-sites**
3. **show domain IWAN master site-capability**
4. **show domain IWAN master status**
5. **show domain IWAN master site-prefix**
6. **show domain IWAN master policy**
7. **show domain IWAN master peering**
8. **show domain IWAN master traffic-classes summary**
9. **show platform hardware qfp active feature pfrv3 datapath global**
10. **show eigrp service-family ipv4 neighbors**
11. **show eigrp service-family ipv4 subscriptions detail**
12. **show eigrp service-family ipv4 topology**
13. **show eigrp service-family ipv4 traffic**
14. **show derived-config | sec router eigrp**

BR —

1. **show tech-support**
2. **show domain IWAN border site-capability**
3. **show domain IWAN master site-capability**
4. **show domain IWAN border parent-route**
5. **show domain IWAN border channels dscp default**
6. **show domain IWAN border channels**
7. **show domain IWAN border traffic-classes summary**
8. **show domain IWAN master status**
9. **show domain IWAN master policy**
10. **show domain IWAN border peering**
11. **show domain IWAN border status**
12. **show domain IWAN border pmi**
13. **show performance monitor cache monitor**
14. **show platform hardware qfp active feature pfrv3 datapath global**
15. **show eigrp service-family ipv4 neighbors**
16. **show eigrp service-family ipv4 subscriptions detail**
17. **show eigrp service-family ipv4 topology**
18. **show eigrp service-family ipv4 traffic**
19. **show derived-config | sec router eigrp**

IOSIOS-XE“Show Tech”

TAC

%FMFP-3-OBJ_DWNLD_TO_DP_STUCK

1. ID: %FMFP-3-OBJ_DWNLD_TO_DP_STUCK:R0/0:fman_fp_image:obj[20] type[215]AOM
pending-issue Req-create Issued-noneSSLMGR:1800
2. IDobj[20]20
3. 2“<object_id>” **show platform software object-manager f0 object <object_id>show
platform software object-manager f0 object <object_id> parentsshow platform
software object-manager f0 object <object_id> childrenshow platform software object-
manager f0 object <object_id> downlinks**
4. ID **show platform software object-manager f0 statisticsshow platform software object-
manager f0 pending-issue-updateshow platform software object-manager f0 pending-
ack-updateshow platform software object-manager f0 object-type-countshow platform
software object-manager f0 error-objectshow platform software object-manager f0
resolve-objectshow platform software object-manager f0 stale-objectshow platform
software object-manager f0 paused-object-type**

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言，希望全球的用户都能通过各自的语言得到支持性的内容。

请注意：即使是最好的机器翻译，其准确度也不及专业翻译人员的水平。

Cisco Systems, Inc. 对于翻译的准确性不承担任何责任，并建议您总是参考英文原始文档（已提供链接）。