

# 知 SR8804-X 日志报错ARP下一跳资源不足

ARP IRF zhiliao\_vKoUlt 2022-12-09 发表

## 组网及说明

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<BRAS SR880X>dis logb | inc resou
%Nov 29 10:43:13:742 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 10:51:49:913 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 10:53:14:235 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 11:01:50:207 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 11:03:14:320 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 11:11:50:298 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 11:13:14:671 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 11:21:50:508 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 11:23:14:777 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 11:31:50:531 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 11:33:14:989 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 11:41:50:582 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 11:43:15:032 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 11:51:50:730 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 11:53:15:084 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 12:01:50:763 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 12:03:15:118 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 12:11:51:490 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 12:13:15:371 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 12:21:51:527 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 12:23:17:308 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 12:31:51:574 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 12:33:17:395 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 12:41:52:064 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 12:43:17:961 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 12:51:52:161 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 12:53:19:783 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 13:01:52:469 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 13:03:21:337 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 13:11:53:298 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 13:13:21:489 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 13:21:53:384 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 13:23:22:454 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 13:31:54:120 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 13:33:22:494 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 13:41:54:539 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 13:43:22:532 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 13:51:54:628 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 13:53:21:532 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 14:01:55:678 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 14:03:21:883 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 14:11:55:685 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 14:13:21:890 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 14:21:56:049 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 14:23:22:562 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 14:31:56:351 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
%Nov 29 14:33:22:565 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=2-Slot=2; Not enough NextHop resource.
%Nov 29 14:41:56:426 2022 BRAS SR880X L3/4/L3 ARP: -Chassis=1-Slot=2; Not enough NextHop resource.
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## 问题描述

日志报错not enough nexthop resource

## 过程分析

从诊断看疑似ARP超规格了，slot 2的两个SPC ARP超规格16K。这个其他SPEX板卡学习的ARP，设备会向全局所有板卡同步，slot 2的两块板为IRF。

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- IPv4 Statistics Slot 2

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- ROUTE TOTAL COUNT: 538  
- ECMP COUNT: 0  
- ARP NH COUNT: 16384  
- IPV4 NH CHANGE NUM: 30795804  
- ARP Prefix ADD NUM: 27880183  
- ARP Prefix MODIFY NUM: 160304014  
- ARP Prefix DEL NUM: 27860304  
- IPV4 Plat ARP Demand NUM: 30800582  
- IPV4 ARP Succeeded NUM: 18827273  
- IPV4 Plat Route Demand NUM: 88408216  
- IPV4 Route Succeeded NUM: 88408216

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- IPv4 Config Slot 2

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- ARP SIZE: 16384  
- ArpCanNotSetToHW: NO  
- IPV4 ROUTE SIZE: 65536  
- ECMP SIZE: 8  
- ND SIZE: 8192  
- IPV6 ROUTE SIZE: 8192  
- IPV6 LongPrefRT: 128  
- VLAN INTF MODE: 2  
- NH SIZE: 16384  
- ECMPGP SIZE: 256  
- L3INTF SIZE: 4096

=====display arp all count=====

Total number of entries: 16725

后来发现，两块T1的堆叠板没有切换成IRF专用单板，这样会导致重复占用arp资源。

## 解决方法

把两块T1的堆叠板切换到IRF专用单板，就不会占用ARP资源了。

irf-connect mode enable irf-connect mode enable命令用来配置单板为IRF专用单板。

undo irf-connect mode enable用来恢复缺省情况。

【命令】 irf-connect mode enable chassisid chassis-number slotid slot-number

#### 注意事项

在IRF模式下配置本命令后，需要保存配置，并重启该单板后功能才会生效。使用本命令并重启该单板后，此单板所有接口上的配置将丢失，故在执行该操作前请做好配置文件的备份工作，并在重启后重新配置。

