

# 知 ADDC 给vport绑定安全策略下发失败的经验案例

ADDC解决方案 刘玉娟 2024-09-28 发表

## 问题描述

给vport绑定安全策略下发失败，提示“insufficient hardware resource”，即设备报硬件资源不足

日期时间	组件名称	用户名	IP地址	节点名称	设备名称	模块名称	操作结果	操作描述	失败原因
2024-09-26 16:18:25.421	base-service	admin	214	swa03	iam	IAM_AUTH	失败	A user logged in username='admin', user role='...	Wrong password.
2024-09-26 16:18:16.624	base-service	admin	214	swa03	iam	IAM_AUTH	失败	A user logged in username='admin', user role='...	Operation failed. The security policy rule failed to take effect because of insufficient hardware resources.
2024-09-26 16:12:52.664	base-service	admin	80	swa03	iam	IAM_AUTH	成功	A user logged in username='admin', user role='...	
2024-09-26 16:11:28.144	SeeEngine-DC	admin	.76	swa01	SeeEngine-DC	VSM	失败	Updated vPort 'Name:private-port, IPv4:10.143.87.23, MAC:ac1f6b48-c717'.	Operation failed..

## 过程分析

1.基于现场的配置，给vport绑定安全策略会给Leaf设备下发流表，占用设备的acl (openflow) 资源，但是查看该vport所接入的leaf设备，资源都是满足的

设备IP地址	状态	角色	CPU	内存	AC	VSI	VSI接口	VRF	ROUTE	ACL(Openflow)	VLAN接口	健康度	操作
172.20.255.25	Active	leaf	26%	59%	2%	1%	1%	1%	23%	22%	1%	100	

2.经确认，考虑到vport可能会迁移，控制器在校验时，不仅校验该vport接入的Leaf设备的硬件资源是否满足要求，还会校验所有leaf设备的硬件资源，查看现场确实有2台leaf交换机报acl (openflow) 资源不足

设备ID	状态	角色	CPU	内存	AC	VSI	VSI接口	VRF	ROUTE	ACL(Openflow)	VLA	健康度	操作
	Active	leaf	9%	50%	1%	1%	1%	1%	11%	1%	1%	100	
	Active	leaf	9%	54%	1%	1%	1%	1%	11%	1%	1%	100	
	Active	leaf	9%	54%	1%	1%	1%	1%	22%	1%	1%	100	
	Active	leaf	11%	56%	1%	1%	1%	1%	45%	1%	1%	100	
	Active	leaf	11%	57%	1%	1%	1%	1%	12%	70%	1%	75	
	Active	leaf	11%	55%	1%	1%	1%	1%	12%	95%	1%	25	
	Active	leaf	10%	50%	1%	1%	1%	1%	12%	5%	1%	100	
	Active	leaf	12%	55%	1%	1%	1%	1%	12%	6%	1%	100	
	Active	leaf	9%	55%	1%	1%	1%	1%	12%	5%	1%	100	
	Active	leaf	9%	57%	1%	1%	1%	1%	12%	5%	1%	100	
	Active	leaf	13%	57%	1%	1%	1%	1%	12%	1%	1%	100	
	Active	leaf	12%	55%	1%	1%	1%	1%	12%	1%	1%	100	
	Active	leaf	10%	55%	1%	1%	1%	1%	12%	1%	1%	100	
	Active	leaf	10%	56%	1%	1%	1%	1%	11%	5%	1%	100	
11	Active	leaf	10%	55%	1%	1%	1%	1%	12%	8%	1%	100	

#### 解决方法

需要解决设备acl(openflow)资源占用过多的问题后，才能正常下发。

现场是因为S6900-2F 打完R2702H37补丁之后 openflow流表资源增加很多预占用导致，需要设备侧出版本解决