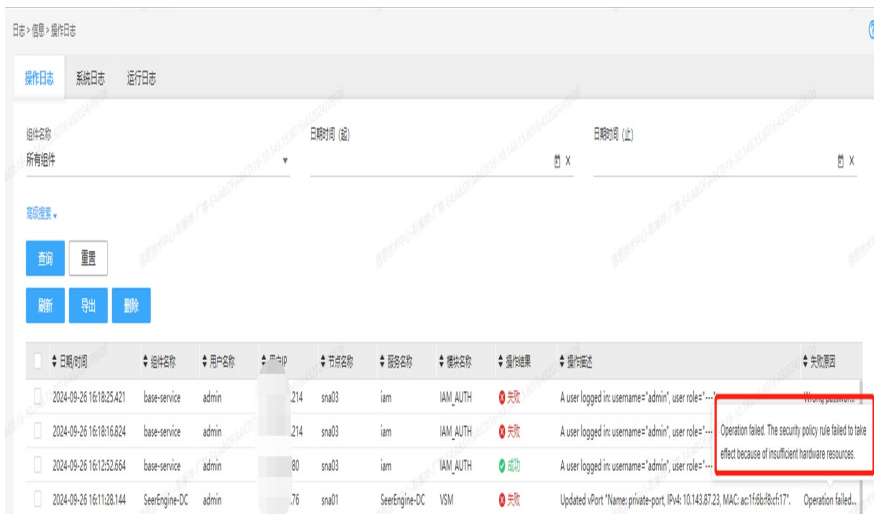


知 ADDC 给vport绑定安全策略下发失败的经验案例

ADDC解决方案 刘玉娟 2024-09-28 发表

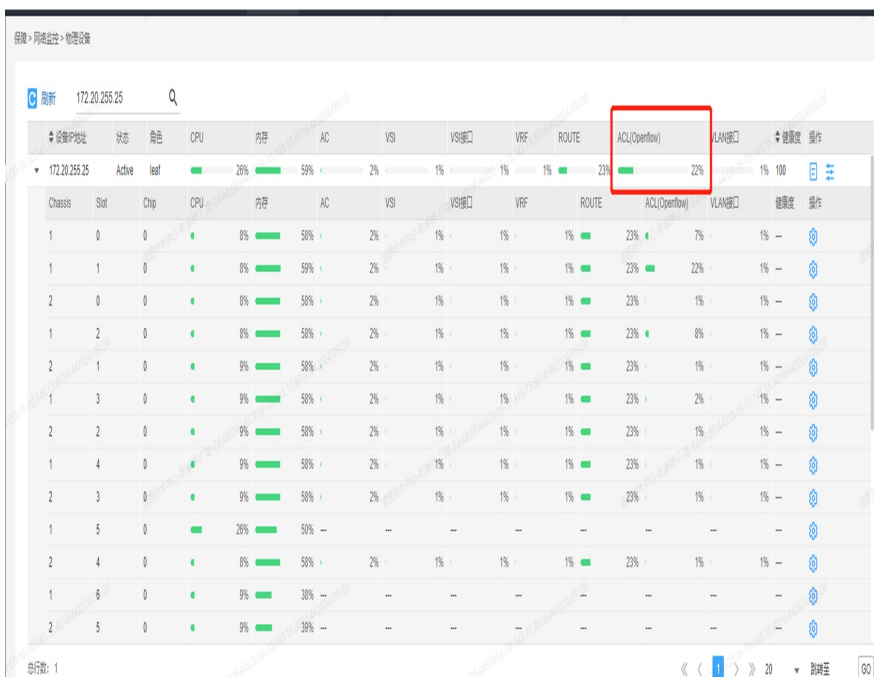
问题描述

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



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



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