

知 LB替换深信服AD，跨虚服务访问部分网页时通时不通

七层服务器负载均衡

全局负载均衡

持续性

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问题描述

深信服AD配置多个VIP地址共用一个服务，且后端有多个实服务器，业务运行使用正常，但是切换到我司LB后，业务时通时不通，需要分析原因

过程分析

- 1、深信服AD对于虚服务的处理逻辑是优先匹配前置策略，然后匹配节点池，所以首先检查这两处的配置；
 - 2、检查后发现使用了轮询IP机制，会话保持是源IP机制，关于底层其他的机制暂未知晓；
 - 3、针对多个VIP和多个实服务器我司配置是保持了持续性组，但是没有配置跨虚服务持续性组；
- 结论：如果不配置跨虚服务持续性组，那么会话可能会到不同的实服务器上，导致转发异常，需要开启跨虚服务的持续性组解决此问题

解决方法

深信服AD对应的配置（列举了json文件的主要内容点）：

```
"/slb/virtual-service": [  
  {  
    "name": "HTTP-HTTPS-EZProxy",  
    "description": "ez.zust.edu.cn",  
    "state": "ENABLE",  
    "service": "TCP-PROXY",  
    "vips": [  
      "60.190.224.201",  
      "60.190.224.202",  
      "210.33.7.201",  
      "210.33.7.202"  
    ],  
    "vports": [  
      "80",  
      "443"  
    ],  
    "pool": "BlankNode", //节点池  
    "pre_rules": [  
      "http-https-ez.zust.edu.cn" //前置策略  
    ],  
    "tcp_sched_stream_cache": {  
      "state": "DISABLE"  
    },  
    "snat": "DISABLE",  
    "dnat": "ENABLE",  
    "dnat_translated_address": "",  
    "dnat_translated_port": 0,  
    "tcp_profile": "七层虚拟服务TCP策略",  
    "ssl_server_profiles": [],  
    "qos_profile": "QoS流量控制",  
    "connection_limits_type": "SINGLE-SOURCE-IP",  
    "connection_limits": [],  
    "ipros": [],  
    "icon": "ICON17",  
    "source_port": "PRESERVE",  
    "session_sync": "GLOBAL",  
    "autolasthop": "GLOBAL",  
    "notify_status_to_vip": "ENABLE",  
    "inbound_links": [  
      "ALL"  
    ]  
  }  
]
```

```
"/slb/pool": [  
  {  
    "name": "LAN-EZProxy",  
    "description": "EZproxy",  
    "method": "ROUND-ROBIN",  
    "priority_level_available_node": 0,  
    "persist": "sourceip", //会话保持设置  
    "alternate_persist": "NONE",  
    "service_monitors": [  
      "http-ez.zust.edu.cn",  
      "https-ez.zust.edu.cn"  
    ],  
    "available_requirement": 1,  
    "node_up_delay": 0,  
    "slow_ramp_time": 0,  
  }  
]
```

```
"recover_by_manual": "DISABLE",  
"recover_by_timer": "DISABLE",  
"busy_process_policy": "IGNORE-BUSY",  
"connection_statistics": "COMPLETED"
```