

# 知 S125X OSPFv3使能接口认证后邻居建立失败

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组网及说明

无

## 问题描述

现场反馈之前OSPFv3邻居建立正常，因客户要求，OSPFv3邻居需使能接口认证，实现高安全，但现场在两侧S125X接口下使能认证后，发现邻居无法建

#

```
keychain OSPFv3_O mode absolute
```

```
key 1
```

```
  key-string cipher $c$3$txDRm6SEXFyqtu6bSj0fLNFZ8nk=  
  authentication-algorithm md5
```

#

```
interface Vlan-interface1021
```

```
ip binding vpn-instance O
```

```
ip address 10.1.10.6 255.255.255.252
```

```
ospf authentication-mode md5 1 cipher $c$3$A1+N5G083T3wsyMyvTHOyPX3xR0j39nrBrNXjKbdww
```

```
==
```

```
ospf network-type p2p
```

```
ospfv3 20 area 0.0.0.30
```

```
ospfv3 network-type p2p
```

```
ospfv3 authentication-mode keychain OSPFv3_O
```

```
ipv6 address 2109:::1000:0:AC6:A42/126
```

#

## 过程分析

配置问题，S125X OSPFv3仅支持HMAC-SHA-256认证算法，和平台相关，不支持md5。同时，要求配置对应key的生命周期，否则对应key不生效。

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```

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key 1
```

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```

```
authentication-algorithm md5
```

```
send-lifetime utc start-time start-date { duration { duration-value | infinite } | to end-time end-date }
```

```
accept-lifetime utc start-time start-date { duration { duration-value | infinite } | to end-time end-date }
```

```
#
```

```
interface Vlan-interface1021
```

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```

```
#
```

## 解决方法

修改对应key的算法为HMAC-SHA-256, 同时添加对应key的生命周期后, 问题解决

