

目录

[简介](#)

[问题](#)

[解决方案](#)

TCPIOS/IOS-XETCPTCP SYNTCP

我们无法配置 ? ip TCP拦截 ? 在ISR G1/G2/G3和ASR1k路由器上。下面关于同样的日志 :

1. 对于ISR G1路由器 :

```
Router#show Ver
```

```
Cisco IOS 2800 (C2800NM-IPBASEK9-M) 15.1(4)M12a(fc1)
```

```
14
```

```
ROM07:45:56 UTC1 2016
```

```
"flash:c2800nm-ipbasek9-mz.151-4.M12a(1).bin"
```

```
<omitted>
```

```
512000K/12288K2811 (Revision 1.0)
```

```
ID FHK1404F3U8
```

```
2
```

```
1E1/pri
```

```
DRAM configuration is 64 bits wide with parity enabled.
```

```
239K
```

```
250368KATA CompactFlash (/)
```

```
UDI
```

Device# PID SN

*0 CISCO2811 FHK1404F3U8

Configuration register is 0x2102

Router#config t

CNTL/Z

Router(config)#ip tcp

RstRST

TCP

ecn Enable (event)

TCP

TCPpath-mtu-discovery Enable (event)MTU

TCPqueuemax

ack Enable (event) TCPACK

synwaitSet timeTCP

Enable (event) TCP

TCP

2. 对于ISR G2路由器：

Router#show Ver

Cisco IOS C1900 (C1900-UNIVERSALK9-M) 15.4 (3) M4 (fc1)

<omitted>

1

ROM10:28:40 UTC31 2016

"flash:c1900-universalk9-mz.SPA.154-3.M4.bin"

Reload

<omitted>

2543552K/77824KCISCO1941/K9 (Revision 1.0)

ID FHK141571QW

4

<omitted>

Module:'c1900

ipbase ipbasek9ipbasek9

securityk9 RightToUse securityk9

NtwkEss

Configuration register is 0x2102

Router#config t

CNTL/Z

Router(config)#ip tcp

RstRST

TCP

ecn Enable (event)

KeepaliveTCP

TCP

TCPpath-mtu-discovery Enable (event)MTU

TCPqueuemax

ack Enable (event) TCPACK

synwaitSet timeTCP

Enable (event) TCP

TCP

3. 对于ISR G3路由器：

```
Router#sh Ver
```

```
Cisco IOS XE03.15.02.S -
```

```
Cisco IOS ISR(X86_64_LINUX_IOSD-UNIVERSALK9-M) 15.5(2)S2(fc1)
```

```
http://www.cisco.com/techsupport
```

```
Cisco(c) 1986-2015 Inc
```

```
mcpres16-Oct-15 18:00
```

```
<omitted>
```

```
7
```

```
8
```

```
ROM
```

```
"bootflash:isr4300-universalk9.03.15.02.S.155-2.S2-std.SPA.bin"
```

```
Reload
```

```
<omitted>
```

appx

```
uc uck9uck9
```

```
securityk9 EvalRightToUse securityk9
```

```
ipbase ipbasek9ipbasek9
```

1665776K/6147Kcisco ISR4331/K9 (1RU)

ID FDO2012A0AT

3

32768K

4194304K

3223551KBootflash

Configuration register is 0x2102

Router#config t

CNTL/Z

Router(config)#ip tcp

RstRST

TCP

ecn Enable (event)

KeepaliveTCP

TCP

TCPpath-mtu-discovery Enable (event)MTU

TCPqueuemax

ack Enable (event) TCPACK

synwaitSet timeTCP

Enable (event) TCP

TCP

4. 对于ASR1k路由器：

Router#show version

Cisco IOS XE03.16.01a.S -

Cisco IOS ASR1000 (X86_64_LINUX_IOSD-UNIVERSAL-M) 15.5(3)S1a(fc1)

<http://www.cisco.com/techsupport>

Cisco(c) 1986-2015 Inc

mcpred04-Nov-15 13:57

<omitted>

1

2

ROM

"bootflash:asr1001x-universal.03.16.01a.S.155-3.S1a-ext.SPA.bin"

PowerOn

ipbase

ipbase

cisco ASR1001-X (1NG) (1NG) 3753592K/6147K

ID FXS1925Q33T

6

2

32768K

8388608K

6684671KBootflasheUSB

Configuration register is 0x2102

ASR-HUB-01#config t

CNTL/Z

ASR-HUB-01(config)#li

ASR-HUB-01(config)#ip tcp

RstRST

TCP

ecn Enable (event)

KeepaliveTCP

TCP

TCPpath-mtu-discovery Enable (event)MTU

TCPqueuemax

ack Enable (event) TCPACK

synwaitSet timeTCP

Enable (event) TCP

TCP

要启用功能TCP拦截，我们会需要：

- **entbase**特性组最低在ISR G1路由器的
 - 在ISR G2和G3系列路由器的**Appxk9/ Datak9**
 - 在ASR1k系列路由器的最低的**advipservices**许可证。
- 一旦我们启用在平台的需要的许可证，我们能配置同样：

```
Router(config)#ip tcp
```

```
RstRST
```

TCP

ecn Enable (event)

Enable (event) TCP

KeepaliveTCP

TCP

TCPpath-mtu-discovery Enable (event)MTU

TCPqueuemax

ack Enable (event) TCPACK

synwaitSet timeTCP

Enable (event) TCP

TCP

参考

http://www.cisco.com/c/en/us/td/docs/ios/12_2/security/configuration/guide/fsecur_c/scfdenl.html