# 网 H3C S6800与思科2960对接二层链路聚合典型组网配置案例

# 组网及说明

本案例采用H3C S6800与思科2960对接二层链路聚合典型组网

H3C S6800版本信息如下:

H3C Comware Software, Version 7.1.045, Release 2418P05

Copyright (c) 2004-2015 Hangzhou H3C Tech. Co., Ltd. All rights reserved.

H3C S6800-4C uptime is 239 weeks, 4 days, 7 hours, 2 minutes

Last reboot reason: USER reboot

Boot image: flash:/s6800-cmw710-boot-r2418p05.bin Boot image version: 7.1.045, Release 2418P05

Compiled Jun 09 2015 12:06:42

System image: flash:/s6800-cmw710-system-r2418p05.bin System image version: 7.1.045, Release 2418P05

Compiled Jun 09 2015 12:06:42

#### 思科2960版本信息如下:

Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 12.2(50)SE5, RELEASE SOF TWARE (fc1)

Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2010 by Cisco Systems, Inc. Compiled Tue 28-Sep-10 13:44 by prod\_rel\_team Image text-base: 0x00003000, data-base: 0x01400000

ROM: Bootstrap program is C2960 boot loader

BOOTLDR: C2960 Boot Loader (C2960-HBOOT-M) Version 12.2(44)SE5, RELEASE SOFTWARE (f c1)

anquanpingtai-ha-v4-1 uptime is 2 years, 44 weeks, 1 day, 11 hours, 18 minutes System returned to ROM by power-on System restarted at 23:37:34 UTC Wed Jul 19 2017

System image file is "flash:c2960-lanbasek9-mz.122-50.SE5/c2960-lanbasek9-mz.122-50.SE5.bin"

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at: http://www.cisco.com/wwl/export/crypto/tool/stqrg.html

If you require further assistance please contact us by sending email to export@cisco.com.

cisco WS-C2960G-48TC-L (PowerPC405) processor (revision H0) with 65536K bytes of memory.

Processor board ID FOC1520W692

Last reset from power-on

6 Virtual Ethernet interfaces

48 Gigabit Ethernet interfaces

The password-recovery mechanism is enabled.

64K bytes of flash-simulated non-volatile configuration memory.

Base ethernet MAC Address : 20:37:06:04:0C:00

Motherboard assembly number : 73-10300-12

Power supply part number : 341-0098-02

Motherboard serial number : FOC15200C86

Power supply serial number : DCA151090Q4

Model revision number : H0

Motherboard revision number : A0

Model number : WS-C2960G-48TC-L
System serial number : FOC1520W692
Top Assembly Part Number : 800-27071-06

Top Assembly Revision Number : D0

Version ID : V06

CLEI Code Number : COMB800BRA Hardware Board Revision Number : 0x01

Switch Ports Model SW Version SW Image

-----

\* 1 48 WS-C2960G-48TC-L 12.2(50)SE5 C2960-LANBASEK9-M

Configuration register is 0xF

#### 配置步骤

S6800的XGE1/1/7、XGE2/1/7端口分别与思科2960的G0/47、G0/48端口互联

## 配置关键点

S6800二层链路聚合的配置如下:

interface Bridge-Aggregation7

port link-type trunk

undo port trunk permit vlan 1

port trunk permit vlan 2 to 4094

quit

interface Ten-GigabitEthernet1/1/7

port link-mode bridge

port link-type trunk

undo port trunk permit vlan 1

port trunk permit vlan 2 to 4094

stp root-protection

port link-aggregation group 7

quit

interface Ten-GigabitEthernet2/1/7

port link-mode bridge

port link-type trunk

undo port trunk permit vlan 1

port trunk permit vlan 2 to 4094

stp root-protection

port link-aggregation group 7

quit

## 思科2960二层链路聚合配置如下:

interface Port-channel1

switchport trunk allowed vlan 4,5,12,400

switchport mode trunk

exit

interface GigabitEthernet0/47

switchport trunk allowed vlan 4,5,12,400

switchport mode trunk

channel-group 1 mode on

exit

interface GigabitEthernet0/48 switchport trunk allowed vlan 4,5,12,400 switchport mode trunk channel-group 1 mode on exit

#### 查看S6800的链路聚合状态均为S:

dis link-aggregation verbose Bridge-Aggregation 7

Loadsharing Type: Shar -- Loadsharing, NonS -- Non-Loadsharing

Port Status: S -- Selected, U -- Unselected, I -- Individual

Flags: A -- LACP\_Activity, B -- LACP\_Timeout, C -- Aggregation,

D -- Synchronization, E -- Collecting, F -- Distributing,

G -- Defaulted, H -- Expired

Aggregate Interface: Bridge-Aggregation7

Aggregation Mode: Static Loadsharing Type: Shar

Port Status Priority Oper-Key

.....

XGE1/1/7 S 32768 15 XGE2/1/7 S 32768 15

## 查看思科2960链路聚合状态:

show interfaces port-channel 1 status

Port Name Status Vlan Duplex Speed Type

Po1 connected trunk a-full a-1000

show interfaces port-channel 1 etherchannel

Age of the Port-channel = 856d:09h:03m:05s

Logical slot/port = 2/1 Number of ports = 2

GC = 0x00000000 HotStandBy port = null

Port state = Port-channel Ag-Inuse

Protocol = -

Port security = Disabled

Ports in the Port-channel:

Inde	x Lo	ad	Port	EC s	tate	No of bits
	+	-+	+		+	
0	00	Gi	0/47	On	(	)
0	00	Gi	0/48	On	(	)

Time since last port bundled: 65d:10h:10m:38s Gi0/47
Time since last port Un-bundled: 65d:10h:22m:25s Gi0/47

至此, S6800与思科2960对接二层链路聚合典型组网配置案例已完成!