

使用通過幀中繼的本地確認配置BSTUN點對點

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[簡介](#)

Bisync序列通道(BSTUN)功能支援使用Bisync資料連結通訊協定的裝置。此通訊協定允許企業透過支援其系統網路架構(SNA)和多通訊協定流量的同一網路傳輸Bisync流量，消除對獨立Bisync設施的需要。通過幀中繼，您可以使用本地確認功能在BSTUN對等體上提供會話的本地終止。

在本示例中，BSTUN點對點使用幀中繼本地確認進行配置。`show bstun`命令輸出中的相關狀態在本文檔中突出顯示。

註：雖然`debug bstun packet/event`和`debug bsc packet/event`命令不應導致CPU使用率過高，但使用`logging buffered`命令將輸出複製到日誌檔案。

[必要條件](#)

[需求](#)

本文件沒有特定需求。

[採用元件](#)

本檔案中的資訊是根據Cisco IOS®軟體版本12.1(5)。

[慣例](#)

如需文件慣例的詳細資訊，請參閱[思科技術提示慣例](#)。

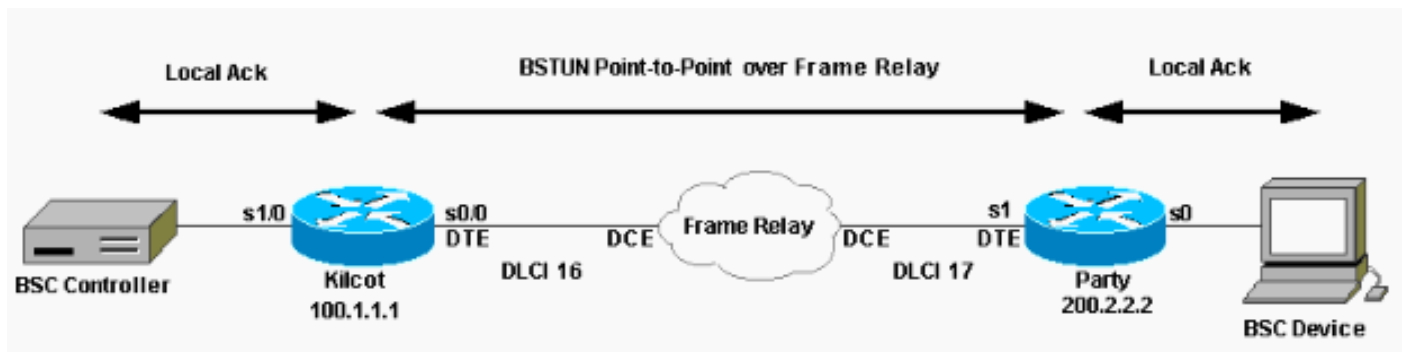
設定

本節提供用於設定本文中所述功能的資訊。

注意：要查詢有關本文檔中使用的命令的其他資訊，請使用[命令查詢工具](#)([僅限註冊客戶](#))。

網路圖表

本檔案會使用以下網路設定：



組態

本檔案會使用以下設定：

基爾科特

```
Building configuration
!
version 12.1
service timestamps debug datetime msec
!
hostname kilcot
!
!
bstun peer-name 100.1.1.1
bstun protocol-group 72 bsc-local-ack
!
!
interface Loopback0
ip address 100.1.1.1 255.0.0.0
!
interface Serial0/0
ip address 10.1.1.1 255.0.0.0
encapsulation frame-relay
no ip mroute-cache
frame-relay interface-dlci 16
frame-relay lmi-type ansi
!
interface Serial1/0
no ip address
ip directed-broadcast
encapsulation bstun
no ip mroute-cache
no keepalive
full-duplex
clockrate 9600
```

```
bstun group 72
bsc secondary
bstun route all tcp 200.2.2.2
!
!
router rip
network 10.0.0.0
network 100.0.0.0
!
end
```

聚會

```
Building configuration...

version 12.1
!
service timestamps debug datetime msec
!
hostname party
!
bstun peer-name 200.2.2.2
bstun protocol-group 72 bsc-local-ack
!
!
interface Loopback0
ip address 200.2.2.2 255.255.255.0
!
interface Serial0
no ip address
encapsulation bstun
load-interval 30
no keepalive
full-duplex
clockrate 9600
bstun group 72
bsc primary
bstun route all tcp 100.1.1.1
!
interface Serial1
ip address 10.1.1.2 255.0.0.0
encapsulation frame-relay IETF
no ip mroute-cache
frame-relay interface-dlci 17
frame-relay lmi-type ansi
!
!
router rip
network 10.0.0.0
network 200.2.2.0
!
end
```

驗證

本節提供的資訊可用於確認您的組態是否正常運作。

[輸出直譯器工具](#)(僅供[註冊](#)客戶使用)支援某些show命令，此工具可讓您檢視[show](#)命令輸出的分析。

- show bstun

• show bsc

```
kilcot#show bsc
BSC local-ack on Serial1/0:
secondary state is CU_Idle.
Control units on this interface:

  Poll address: 40. Select address: 60 *CURRENT-CU*
  State is Initializing.
  Tx Counts: 0 frames(total). 0 frames(data). 0 bytes.
  Rx Counts: 3 frames(total). 0 frames(data). 15 bytes.

Total Tx Counts: 0 frames(total). 0 frames(data). 0 bytes.
Total Rx Counts: 19 frames(total). 0 frames(data). 59 bytes.
```

```
kilcot#show bstun
This peer: 100.1.1.1

*Serial1/0 (group 72 [bsc-local-ack])
route transport address          dlci lsap state      rx_pkts tx_pkts  drops
all   TCP                200.2.2.2          open         1       3       0
```

```
party#show bsc
BSC local-ack on Serial0:
primary state is TCU_Polled.
Control units on this interface:

  Poll address: 40. Select address: 60 *CURRENT-CU*
  State is Inactive.
  Tx Counts: 126 frames(total). 0 frames(data). 378 bytes.
  Rx Counts: 0 frames(total). 0 frames(data). 0 bytes.

Total Tx Counts: 126 frames(total). 0 frames(data). 378 bytes.
Total Rx Counts: 0 frames(total). 0 frames(data). 0 bytes.
```

```
party#show bstun
This peer: 200.2.2.2

*Serial0 (group 72 [bsc-local-ack])
route transport address          dlci lsap state      rx_pkts tx_pkts  drops
all   TCP                100.1.1.1          open         3       2       0
```

疑難排解

本節提供的資訊可用於對組態進行疑難排解。

疑難排解指令

`debug bstun packet/event`和`debug bsc packet/event`輸出已複製到日誌檔案。解釋此debug輸出時：

- 序列資料傳入(SDI) — 從同步資料連結控制(SDLC)介面接收的封包。
- 網路資料傳入(NDI) — 從WAN解封裝的資料包。

注意：發出debug指令之前，請參閱[有關Debug指令的重要資訊](#)。

```
kilcot#show log
Syslog logging: enabled (0 messages dropped, 0 flushes, 0 overruns)
```

Console logging: disabled
Monitor logging: level debugging, 0 messages logged
Buffer logging: level debugging, 5088 messages logged
Trap logging: level informational, 70 message lines logged

Log Buffer (100000 bytes):

```
Dec 28 09:43:21.748: BSC: Serial1/0: POLLEE-FSM event: E_LineUp old_state: CU_Down. new_state: CU_Idle.
Dec 28 09:43:21.756: BSC: Serial1/0: SDI-rx: Data (5 bytes): 40407F7F2D
Dec 28 09:43:36.756: BSTUN bsc-local-ack: Serial1/0 SDI: Data: 401100
Dec 28 09:43:36.756: BSTUN: Change state for peer (all[72])200.2.2.2/1976 (closed->opening)
Dec 28 09:43:36.756: BSC: Serial1/0: POLLEE-FSM event: E_RxEnq
Dec 28 09:43:36.760: BSTUN: Change state for peer (all[72])200.2.2.2/1976 (opening->open wait)
Dec 28 09:43:36.764: %BSTUN-6-OPENING: CONN: opening peer (all[72])200.2.2.2/1976, 3
Dec 28 09:43:36.792: bsttcpd_connect: Refreshing tcp_encaps for group 72
Dec 28 09:43:36.792: %BSTUN-6-OPENED: CONN: peer (all[72])200.2.2.2/1976 opened, [previous state open wait]
Dec 28 09:43:36.792: BSTUN: Change state for peer (all[72])200.2.2.2/1976 (open wait->open)
Dec 28 09:43:36.844: BSTUN bsc-local-ack: Serial1/0 NDI: Data: 401400
Dec 28 09:43:36.848: BSC: Serial1/0: NDI-rx: Data (3 bytes): 401400
Dec 28 09:43:37.640: %SYS-5-CONFIG_I: Configured from console by vty0
```

party#show log

Syslog logging: enabled (0 messages
dropped, 0 flushes, 0 overruns)
Console logging: disabled
Monitor logging: level debugging, 114 messages logged
Logging to: vty2(114)
Buffer logging: level debugging, 5199 messages logged
Trap logging: level informational, 79 message lines logged

Log Buffer (100000 bytes):

```
ec 28 09:48:09.816: %BSTUN-6-PASSIVEOPEN: passive open 100.1.1.1(11017) -> 1976
Dec 28 09:48:09.836: %BSTUN-6-OPENED: PHDR: peer (all[72])100.1.1.1/1976 opened, [previous state closed]
Dec 28 09:48:09.836: BSTUN: Change state for peer (all[72])100.1.1.1/1976 (closed->open)
Dec 28 09:48:09.836: BSTUN bsc-local-ack: Serial0 NDI: Data: 401100
Dec 28 09:48:09.836: BSC: Serial0: NDI-rx: Data (3 bytes): 401100
Dec 28 09:48:09.836: BSTUN bsc-local-ack: Serial0 SDI: Data: 401400
Dec 28 09:48:09.836: BSC: Serial0: SDI-tx: Data (10 bytes): 37FF32323240407F7F2D
```

相關資訊

- [STUN支援頁面](#)
- [有關配置STUN和BSTUN的思科文檔](#)
- [IBM SNA支援頁面](#)
- [技術支援 - Cisco Systems](#)