

N7K系列路由器不支援N2K-C2248TP-E-1GE FEX

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簡介

本文描述Cisco Nexus 2000系列千兆乙太網交換矩陣擴展器(N2K-C2248TP-E-1GE FEX)在連線到Nexus 7000系列路由器時無法聯機時遇到的問題，並提供該問題的可能解決方案。

必要條件

需求

思科建議您瞭解Cisco Nexus作業系統(NX-OS)CLI。

採用元件

本文中的資訊係根據以下軟體和硬體版本：

- 任何Nexus 7000系列路由器
- N2K-C2248TP-E-1GE FEX

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

問題

N2K-C2248TP-E-1GE FEX在連線到Nexus 7000系列路由器時未聯機，交換矩陣擴展器(FEX)的狀態顯示為Image Download:

```
N7K# show fex 100 detail
FEX: 100 Description: FEX100 state: Image Download
  FEX version: 5.1(3)N2(1b) [Switch version: 5.1(5)]
  FEX Interim version: 5.1(3)N2(1b)
  Switch Interim version: 5.1(5)
  Module Sw Gen: 21 [Switch Sw Gen: 21]
pinning-mode: static Max-links: 1
  Fabric port for control traffic: Eth2/29
  Fabric interface state:
    Po30 - Interface Up. State: Active
    Eth2/21 - Interface Up. State: Active
    Eth2/29 - Interface Up. State: Active
  Fex Port State Fabric Port Primary Fabric
```

Logs:

```
08/07/2013 13:01:06.88746: Module Offline
08/07/2013 13:01:06.100565: Deleting route to FEX
08/07/2013 13:01:06.105191: Module disconnected
08/07/2013 13:01:06.109943: Offlining Module
08/07/2013 13:01:40.190901: Module register received
08/07/2013 13:01:40.192222: Registration response sent
08/07/2013 13:01:40.192512: Requesting satellite to download image
08/07/2013 13:01:44.210316: Module register received
08/07/2013 13:01:44.211137: Registration response sent
08/07/2013 13:01:44.211344: Requesting satellite to download image
08/07/2013 13:01:50.230455: Module register received
08/07/2013 13:01:50.231267: Registration response sent
08/07/2013 13:01:50.231467: Requesting satellite to download image
08/07/2013 13:01:58.486741: Module register received
08/07/2013 13:01:58.487977: Registration response sent
08/07/2013 13:01:58.488188: Requesting satellite to download image
08/07/2013 13:02:08.731982: Module register received
08/07/2013 13:02:08.732792: Registration response sent
08/07/2013 13:02:08.732990: Requesting satellite to download image
08/07/2013 13:02:20.830203: Module register received
08/07/2013 13:02:20.831182: Registration response sent
08/07/2013 13:02:20.831383: Requesting satellite to download image
```

如果執行Debug fex，也會收到以下錯誤：

Debug fex error: output

```
2013 Aug 6 18:04:22.931029 fex: Reg resp: Failed to get card info for swcardid 149
2013 Aug 6 18:04:27.000098 fex: Cardinfo: Unknown card id to get (149)
2013 Aug 6 18:04:27.000130 fex: Reg resp: Failed to get card info for swcardid 149
2013 Aug 6 18:04:33.275629 fex: Cardinfo: Unknown card id to get (149)
2013 Aug 6 18:04:33.275662 fex: Reg resp: Failed to get card info for swcardid 149
2013 Aug 6 18:04:41.550785 fex: Cardinfo: Unknown card id to get (149)
2013 Aug 6 18:04:41.550817 fex: Reg resp: Failed to get card info for swcardid 149
2013 Aug 6 18:04:51.794688 fex: Cardinfo: Unknown card id to get (149)
2013 Aug 6 18:04:51.794720 fex: Reg resp: Failed to get card info for swcardid 149
```

解決方案

在NX-OS 6.1(1)版之前，Nexus 7000系列路由器不支援N2K-2248TP-E FEX。此問題的解決方法是升級到NX-OS版本6.1(1)或更高版本。完成升級後，FEX將聯機。

[Cisco Nexus 2000系列交換矩陣擴展器產品手冊](#)中的第三個表描述了N2K-2248TP-E所需的最低代碼版本。