

Catalyst 9800事件歷史記錄快速參考指南

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簡介

本文檔是使用Catalyst 9800列出各種歷史事件的快速參考指南。利用9800平台永遠線上的日誌記錄功能，只要您知道特定的日誌行看起來如何，您就可以快速輕鬆地列出特定型別的事件。

結構

本文圍繞使用「**show logging profile wireless**」命令進行展開，該命令主要通過所有與無線相關的二進位制日誌（始終開啟，即使沒有啟用任何形式的活動調試）來完成。

「start last <time period>」允許返回到日誌中的某個時間段。

如果不使用管道限制搜尋，該命令將在終端上輸出大量資料，這就是下列所有示例將管道用於特定事件的原因。

使用者端

列出已成功進行身份驗證的客戶端：

```
myc9800-CL#show logging profile wireless start last 10 days | i Authentication Success
2020/09/26 16:41:21.397677 {wncd_x_R0-0}{1}: [ewlc-infra-evq] [19680]: (note): Authentication
Success. Resolved Policy bitmap:11 for client 02c0.2901.34c8 2020/09/26 17:04:33.523999
{wncd_x_R0-0}{1}: [ewlc-infra-evq] [19680]: (note): Authentication Success. Resolved Policy
bitmap:11 for client d280.eb73.6044 2020/09/26 17:21:59.892585 {wncd_x_R0-0}{1}: [ewlc-infra-
evq] [19680]: (note): Authentication Success. Resolved Policy bitmap:11 for client
02c0.2901.34c8 2020/09/26 17:32:09.289109 {wncd_x_R0-0}{1}: [ewlc-infra-evq] [19680]: (note):
Authentication Success. Resolved Policy bitmap:11 for client 02c0.2901.34c8 2020/09/26
17:41:58.123180 {wncd_x_R0-0}{1}: [ewlc-infra-evq] [19680]: (note): Authentication Success.
Resolved Policy bitmap:11 for client 64b5.c66d.13ac
```

列出獲得成功IP地址的客戶端：

```
myc9800-CL#show logging profile wireless start last 10 days | i IP learn successful 2020/09/26
16:41:30.621520 {wncd_x_R0-0}{1}: [client-iplearn] [19680]: (note): MAC: 02c0.2901.34c8 Client
IP learn successful. Method: DHCP IP: 192.168.1.13 2020/09/26 17:04:37.622905 {wncd_x_R0-0}{1}:
[client-iplearn] [19680]: (note): MAC: d280.eb73.6044 Client IP learn successful. Method: IP
```

```
Snooping IP: 192.168.1.36 2020/09/26 17:22:03.830465 {wncd_x_R0-0}{1}: [client-iplearn] [19680]:
(note): MAC: 02c0.2901.34c8 Client IP learn successful. Method: IP Snooping IP: 192.168.1.13
2020/09/26 17:32:09.966598 {wncd_x_R0-0}{1}: [client-iplearn] [19680]: (note): MAC:
02c0.2901.34c8 Client IP learn successful. Method: IP Snooping IP: 192.168.1.13 2020/09/26
17:33:30.236544 {wncd_x_R0-0}{1}: [client-iplearn] [19680]: (note): MAC: 3cf7.a4ae.f607 Client
IP learn successful. Method: IP Snooping IP: 192.168.1.49
```

RRM

管道更改

```
9800# show logging profile wireless | include history-channel
```

```
2020/02/13 10:50:03.297 {wncd_x_R0-0}{2}: [radio-history-channel] [24955]: (note): Channel
change for AP5c83.8f6e.4250 Slot:1 Band:802.11a Previous Chan:100 Current Chan:132 chan width:
40 Reason: DCA Algorithm
```

雜訊和干擾值

以下內容需要設定「set platform software trace wireless chassis active r0 rrm rrm-client-dca info」
以在日誌中顯示該資訊：

```
9800#show logging profile wireless start last x hours| include rrm-client-dca
```

```
2020/06/26 15:44:08.636988 {wncd_x_R0-0}{1}: [rrm-client-dca] [9853]: (info): f4bd.9e38.4200
(Radio: 802.11a) Channel set request: on cell to channel 40 from 40 (width 20) to reduce co-
channel interference (noise/interference/rssi) from (-128,-128,127) to (-128,-128,127) Reason:
0x1 for slot id: 1
2020/06/26 15:44:08.640828 {wncd_x_R0-0}{1}: [rrm-client-dca] [9853]: (info): f4bd.9e38.4200
(Radio: 802.11bg) Channel set request: on cell to channel 6 from 1 (width 20) to reduce co-
channel interference (noise/interference/rssi) from (-77,-35,-35) to (-66,-58,-57) Reason: 0x4
for slot id: 0
2020/06/26 15:54:18.671638 {wncd_x_R0-0}{1}: [rrm-client-dca] [9853]: (info): f4bd.9e38.4200
(Radio: 802.11a) Channel set request: on cell to channel 40 from 40 (width 20) to reduce co-
channel interference (noise/interference/rssi) from (-128,-128,127) to (-128,-128,127) Reason:
0x1 for slot id: 1
2020/06/26 15:54:18.673055 {wncd_x_R0-0}{1}: [rrm-client-dca] [9853]: (info): f4bd.9e38.4200
(Radio: 802.11bg) Channel set request: on cell to channel 6 from 6 (width 20) to reduce co-
channel interference (noise/interference/rssi) from (-128,-128,-58) to (-128,-128,-58) Reason:
0x1 for slot id: 0
```

DCA演算法正在運行

```
9800-17#show logging profile wireless start last boot | i Running DCA Algo
```

```
2020/02/14 16:23:09.177 {rrm_bg_R0-0}{1}: [rrm-mgr-dca] [22117]: (note): (Radio: 802.11a)
Running DCA Algorithm
```