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简介

本文提供关于新的信息**显示ap加入stats in**命令控制器版本4.2.61.0并且展示如何有效使用他们。欲知更多信息，参考请[排除故障不加入一轻量级的接入点无线局域网控制器](#)有效排除故障接入点(AP)为什么不加入控制器。如果AP不发送加入到控制器，在AP的其他故障排除可以要求。

此故障排除文档适用于从4.2.61的所有控制器(WLC)版本到新版本7.2.103。

在控制器生成不同的错误的几示例输出跟随背景信息和故障排除算法部分。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档不限于特定的软件和硬件版本。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始(默认)配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

背景信息

在控制器版本4.2.61.0，控制器当前记录发送它发现请求，并且AP它发送一发现回复的所有AP。它也跟踪设法加入控制器的AP，并且他们是否是成功的。有2新的CLI (控制台或SSH) on命令控制器帮助排除故障AP为什么不能加入控制器：

排除故障算法

请使用显示ap加入stats概略all命令发现哪AP不加入控制器。当控制器收到发现请求，AP插入到显示ap加入stats列表。

注意：控制器从显示ap加入stats列表从未删除AP，直到控制器重新启动。有时，失败的AP以上一个天设法为加入或完全脱机。请使用detail命令显示ap加入的stats发现，当最后发现请求和最后加入请求从AP发送确定AP是否丢失连接到控制器或可能移动向另一个控制器。

输出给控制器接收发现请求然后列表AP的总数那些AP是否当前加入到控制器。

```
(Cisco Controller) >show ap join stats summary allNumber of APs.....
300:0b:85:1b:7c:b0.....
Joined00:12:44:bb:25:d0.....
Joined00:13:19:31:9c:e0..... Not joined
```

一旦有没有加入AP的MAC地址，请使用显示ap加入stats概略的<mac addr>对发现最后加入并且为失败辩解。

```
(Cisco Controller) >show ap join stats summary 00:14:f2:63:12:50Is the AP currently connected to
controller..... YesTime at which the AP joined this controller last time... Jan 24
12:21:32.414Type of error that occurred last..... AP got or has been
disconnectedReason for error that occurred last..... Timed out while waiting
for ECHO response from the APTime at which the last join error occurred..... Jan 24
12:21:14.751
```

如果想要关于发现请求的详细信息，请加入请求，并且配置请求，使用show命令ap加入stats详细信息<mac-address>。此命令也指示控制器是否看到从AP的仅一发现请求，但是看不到加入请求。

```
(Cisco Controller) >show ap join stats detail 00:14:f2:63:12:50Discovery phase statistics-
Discovery requests received..... 2- Successful discovery responses
sent..... 2- Unsuccessful discovery request processing..... 0- Reason for
last unsuccessful discovery attempt..... Not applicable- Time at last successful discovery
attempt..... Jan 24 12:21:20.547- Time at last unsuccessful discovery
attempt..... Not applicableJoin phase statistics- Join requests
received..... 2- Successful join responses
sent..... 2- Unsuccessful join request processing..... 0- Reason
for last unsuccessful join attempt..... Not applicable- Time at last successful join
attempt..... Jan 24 12:21:30.669- Time at last unsuccessful join
attempt..... Not applicableConfiguration phase statistics- Configuration requests
received..... 2- Successful configuration responses sent..... 2-
Unsuccessful configuration request processing..... 0- Reason for last unsuccessful
configuration attempt.... Not applicable- Successful configuration
attempt..... Jan 24 12:21:32.414- Time at last unsuccessful configuration
attempt..... Not applicableLast AP message decryption failure details- Reason for last
message decryption failure..... Not applicableLast AP disconnect details- Reason for
last AP connection failure..... Timed out while waiting for ECHO response from
the APLast join error summary- Type of error that occurred last..... AP got
or has been disconnected- Reason for error that occurred last..... Timed out
while waiting for ECHO response from the AP- Time at which the last join error
occurred..... Jan 24 12:21:14.751
```

示例 1

在这种情况下，在控制器的时间不正确。错误表明AP证书有效负载无效。因为在控制器的时间是在

证书有效性时间间隔外面，此错误出现。保证show time命令指示正确时间。注释1993年3月6日时间值在下面输出中。这是时钟为控制器启动，不用配置的地方NTP。

AP加入报告统计信息的三个相位与时间戳的是发现号、加入和配置阶段。检查最后错误汇总AP为什么失败加入或断开原因。

```
(Cisco Controller) >show ap join stats detailed 00:14:1b:5a:40:10Discovery phase statistics-
Discovery requests received..... 2- Successful discovery responses
sent..... 1- Unsuccessful discovery request processing..... 2113123-
Reason for last unsuccessful discovery attempt..... Discovery request received on
unsupported VLAN- Time at last successful discovery attempt..... Mar 06 19:03:50.779-
Time at last unsuccessful discovery attempt..... Mar 06 19:03:50.782Join phase
statistics- Join requests received..... 1- Successful join responses
sent..... 0- Unsuccessful join request processing..... 1- Reason
for last unsuccessful join attempt..... Certificate payload in join request contains
invalid certificate- Time at last successful join attempt..... Not applicable-
Time at last unsuccessful join attempt..... Mar 06 19:04:00.810Configuration phase
statistics- Configuration requests received..... 0- Successful configuration
responses sent..... 0- Unsuccessful configuration request processing..... 0-
Reason for last unsuccessful configuration attempt.... Not applicable- Time at last
successful configuration attempt..... Not applicable- Time at last unsuccessful
configuration attempt..... Not applicableLast AP message decryption failure details- Reason
for last message decryption failure..... Not applicableLast AP disconnect details-
Reason for last AP connection failure..... Not applicableLast join error summary-
Type of error that occurred last..... Lwapp join request rejected- Reason
for error that occurred last..... Certificate payload in join request contains
invalid certificate- Time at which the last join error occurred..... Mar 06
19:04:00.810
```

示例 2

在这种情况下，除管理IP地址VLAN之外，AP发送在VLAN的发现请求。控制器拒绝在管理接口子网没有接收的所有发现请求。

```
(Cisco Controller) >show ap join stats detailed 00:14:1b:5a:40:10Discovery phase statistics-
Discovery requests received..... 10- Successful discovery responses
sent..... 5- Unsuccessful discovery request processing..... 2113123-
Reason for last unsuccessful discovery attempt..... Discovery request received on
unsupported VLAN- Time at last successful discovery attempt..... Jan 30 14:30:12.284-
Time at last unsuccessful discovery attempt..... Jan 30 14:30:12.288Join phase
statistics- Join requests received..... 4- Successful join responses
sent..... 0- Unsuccessful join request processing..... 4- Reason
for last unsuccessful join attempt..... Certificate payload in join request contains
invalid certificate- Time at last successful join attempt..... Not
applicable- Time at last unsuccessful join attempt..... Mar 06
19:19:03.345Configuration phase statistics- Configuration requests
received..... 0- Successful configuration responses sent..... 0-
Unsuccessful configuration request processing..... 0- Reason for last unsuccessful
configuration attempt.... Not applicable- Time at last successful configuration
attempt..... Not applicable- Time at last unsuccessful configuration attempt.....
Not applicableLast AP message decryption failure details- Reason for last message decryption
failure..... Not applicableLast AP disconnect details- Reason for last AP connection
failure..... Not applicableLast join error summary- Type of error that occurred
last..... Failed to send Lwapp discovery response- Reason for error that
occurred last..... Discovery request received on unsupported VLAN- Time at
which the last join error occurred..... Jan 30 14:30:12.288(Cisco Controller) >
```

示例 3

在这种情况下，AP从此控制器移动向其主要控制器。

注意： 错误可以由于多种原因生成，其中之一是网络中断。

```
(Cisco Controller) >show ap join stats detailed 00:14:1b:5a:40:10Discovery phase statistics-
Discovery requests received..... 23- Successful discovery responses
sent..... 23- Unsuccessful discovery request processing..... 0- Reason for
last unsuccessful discovery attempt..... Not applicable- Time at last successful discovery
attempt..... Jan 30 14:39:38.526- Time at last unsuccessful discovery
attempt..... Not applicableJoin phase statistics- Join requests
received..... 21- Successful join responses
sent..... 21- Unsuccessful join request processing..... 0-
Reason for last unsuccessful join attempt..... Not applicable- Time at last
successful join attempt..... Jan 30 14:39:07.085- Time at last unsuccessful join
attempt..... Not applicableConfiguration phase statistics- Configuration requests
received..... 21- Successful configuration responses sent..... 21-
Unsuccessful configuration request processing..... 0- Reason for last unsuccessful
configuration attempt.... Not applicable- Time at last successful configuration
attempt..... Jan 30 14:39:09.481- Time at last unsuccessful configuration attempt.....
Not applicableLast AP message decryption failure details- Reason for last message decryption
failure..... Not applicableLast AP disconnect details- Reason for last AP connection
failure..... Timed out while waiting for ECHO response from the APLast join error
summary- Type of error that occurred last..... AP got or has been
disconnected- Reason for error that occurred last..... Timed out while waiting
for ECHO response from the AP- Time at which the last join error occurred..... Jan 30
14:40:15.451
```

示例 4

在这种情况下，自签名证书(SSC) AP不是正确在控制器。在寄请求给一个定义RADIUS服务器前，控制器总是检查其本地数据库。结果，当控制器没找到SSC本地，RADIUS授权为AP错误是待定的出现。

```
(Cisco Controller) >show ap join stats detailed 00:13:5f:fa:88:50Discovery phase statistics-
Discovery requests received..... 2- Successful discovery responses
sent..... 1- Unsuccessful discovery request processing..... 2113123-
Reason for last unsuccessful discovery attempt..... Discovery request received on
unsupported VLAN- Time at last successful discovery attempt..... Jan 30 14:58:58.070-
Time at last unsuccessful discovery attempt..... Jan 30 14:58:58.071Join phase
statistics- Join requests received..... 1- Successful join responses
sent..... 0- Unsuccessful join request processing..... 1- Reason
for last unsuccessful join attempt..... RADIUS authorization is pending for the AP-
Time at last successful join attempt..... Not applicable- Time at last
unsuccessful join attempt..... Jan 30 14:59:13.111Configuration phase statistics-
Configuration requests received..... 0- Successful configuration responses
sent..... 0- Unsuccessful configuration request processing..... 0- Reason for last
unsuccessful configuration attempt.... Not applicable- Time at last successful configuration
attempt..... Not applicable- Time at last unsuccessful configuration attempt.....
Not applicableLast AP message decryption failure details- Reason for last message decryption
failure..... Not applicableLast AP disconnect details- Reason for last AP connection
failure..... Radius authorization of the AP has failedLast join error summary-
Type of error that occurred last..... AP got or has been disconnected-
Reason for error that occurred last..... Radius authorization of the AP has
failed- Time at which the last join error occurred..... Jan 30 14:59:13.117(Cisco
Controller) >
```

示例5

```
(Cisco Controller) >show ap join stats detailed 0026cb8168c0Discovery phase statistics-
Discovery requests received..... 202- Successful discovery responses
sent..... 0- Unsuccessful discovery request processing..... 0-
Reason for last unsuccessful discovery attempt..... Not applicable- Time at last
successful discovery attempt..... Not applicable- Time at last unsuccessful discovery
attempt..... Not applicableJoin phase statistics- Join requests
```

```

received..... 122- Successful join responses
sent..... 0- Unsuccessful join request processing..... 0-
Reason for last unsuccessful join attempt..... Not applicable- Time at last
successful join attempt..... Not applicable- Time at last unsuccessful join
attempt..... Not applicableConfiguration phase statistics- Configuration requests
received..... 115- Successful configuration responses
sent..... 0- Unsuccessful configuration request processing..... 0- Reason
for last unsuccessful configuration attempt..... Not applicable--More-- or (q)uit- Time at
last successful configuration attempt..... Not applicable- Time at last unsuccessful
configuration attempt..... Not applicableLast AP message decryption failure details- Reason
for last message decryption failure..... Not applicableLast AP disconnect details-
Reason for last AP connection failure..... Image data request received from an
unsupported APLast join error summary- Type of error that occurred last.....
AP got or has been disconnected- Reason for error that occurred last..... Image
data request received from an unsupported AP- Time at which the last join error
occurred..... Feb 16 00:50:16.841(Cisco Controller) >show ap join stats detailed
0026cb8168c0Discovery phase statistics- Discovery requests
received..... 202- Successful discovery responses
sent..... 0- Unsuccessful discovery request processing..... 0-
Reason for last unsuccessful discovery attempt..... Not applicable- Time at last
successful discovery attempt..... Not applicable- Time at last unsuccessful discovery
attempt..... Not applicableJoin phase statistics- Join requests
received..... 122- Successful join responses
sent..... 0- Unsuccessful join request processing..... 0-
Reason for last unsuccessful join attempt..... Not applicable- Time at last
successful join attempt..... Not applicable- Time at last unsuccessful join
attempt..... Not applicableConfiguration phase statistics- Configuration requests
received..... 115- Successful configuration responses
sent..... 0- Unsuccessful configuration request processing..... 0- Reason
for last unsuccessful configuration attempt..... Not applicable--More-- or (q)uit- Time at
last successful configuration attempt..... Not applicable- Time at last unsuccessful
configuration attempt..... Not applicableLast AP message decryption failure details- Reason
for last message decryption failure..... Not applicableLast AP disconnect details-
Reason for last AP connection failure..... Image data request received from an
unsupported APLast join error summary- Type of error that occurred last.....
AP got or has been disconnected- Reason for error that occurred last..... Image
data request received from an unsupported AP- Time at which the last join error
occurred..... Feb 16 00:50:16.841

```

[相关信息](#)

- [排除轻量接入点无法加入无线 LAN 控制器的故障](#)
- [技术支持和文档 - Cisco Systems](#)