

在无线控制器的AP和AP组视图下有一个tunnel encryption enable功能，目前从官网上只能在WX5500 H的手册中查询到相关介绍，经过测试验证，其功能如下：

tunnel encryption enable

tunnel encryption enable 命令用来开启 CAPWAP 隧道加密功能。

tunnel encryption disable 命令用来关闭 CAPWAP 隧道加密功能。

undo tunnel encryption enable 命令用来恢复缺省情况。

【命令】

tunnel encryption { disable | enable }

undo tunnel encryption enable

【使用指导】

在 AC 上配置 tunnel encryption enable 命令后，AC 回应给 AP 的 Discovery Response 报文将携带加密标志位，AP 接收到且选择此 AC 建立 CAPWAP 隧道后，会使用 DTLS 握手以对 CAPWAP 隧道报文进行加密。

现场使用时，在配置此命令之后AP不能正常上线，通过debug发现始终处于发现协商状态，无法正常协商，因为AP无法处理加密之后的AC报文：

```
*Jul 17 15:55:19:200 2017 cn_tao_zd_yj02_fac01 CWS/7/RCV_PKT: Received discovery request from AP: IP address=10.180.71.21, MAC address=741f-4a1b-abc0, serial ID=219801A0ST9157G00463, AP name=test5, model=WA4320H-ACN-HI, last IP=.
```

```
*Jul 17 15:55:19:205 2017 cn_tao_zd_yj02_fac01 CWS/7/EVENT: Filling AC Descriptor TLV. License Type[1] MaxSupportNum[256] JoinCount[0].
```

```
*Jul 17 15:55:19:206 2017 cn_tao_zd_yj02_fac01 CWS/7/SND_PKT: Sent discovery response with SeqNum 0 to AP at 10.180.71.21:55448.
```

```
*Jul 17 15:55:19:206 2017 cn_tao_zd_yj02_fac01 CWS/7/SND_PKT: Sent discovery response to AP at 10.180.71.21:55448, Length=128.
```

```
00 10 02 00 00 00 00 00 00 02 00 00 73 00
```

.....

```
0F 00 00 63 A2 00 80 00 01 04 00 00 00 02 00 00
```

.

```
*Jul 17 15:55:19:207 2017 cn_tao_zd_yj02_fac01 CWS/7/RCV_PKT: Received discovery request with SeqNum 0 from AP at 10.180.71.21:55448.
```

```
*Jul 17 15:55:19:207 2017 cn_tao_zd_yj02_fac01 CWS/7/RCV_PKT: Received discovery request from AP at 10.180.71.21:55448, Length=166.
```

```
00 10 02 00 00 00 00 00 00 00 01 00 00 99 00
```

.....

```
05 02 00 00 00 0D
```

指导现场取消AP以及AP组视图下的隧道加密功能之后AP上线成功。