



# Unscheduled Automatic Power Save Delivery

- [Unscheduled automatic power save delivery overview, on page 1](#)
- [View unscheduled automatic power save delivery, on page 1](#)

## Unscheduled automatic power save delivery overview

Unscheduled automatic power save delivery (U-APSD) is a power-saving mechanism that

- is defined as a QoS facility in IEEE 802.11e standards
- delivers multiple downlink packets in response to a single uplink trigger, and
- reduces wireless latency and extends mobile device battery life

### Additional information

- U-APSD activates automatically when WMM (Wi-Fi Multimedia) is enabled.
- U-APSD eliminates the need for polling individual packets at the access point.

Possible sequence for U-APSD operation:

A client device sends a single uplink trigger packet. In response, the access point delivers multiple queued downlink packets based on that single trigger.

## View unscheduled automatic power save delivery

Show detailed information of a client by MAC address.

```
Device# show wireless client mac-address 2B:5B:B3:18:56:E9 detail
Output Policy State : Unknown
Output Policy Source : Unknown
WMM Support : Enabled
U-APSD Support : Enabled
U-APSD value : 15
APSD ACs      : BK(T/D), BE, VI(T/D), VO(T/D)
Power Save : OFF
Current Rate :
```

```
-----  
BK : Background  
BE : Best Effort  
VI : Video  
VO : Voice.  
  
T: UAPSD Trigger Enabled  
D: UAPSD Delivery Enabled  
T/D : UAPSD Trigger and Delivery Enabled
```