

MovementEvent Request Body

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MovementEvent Request Body

This page is a continuation of the **Request Bodies** section of the [Deliver the MAC Address to the MARS Server](#) method.

ON THIS PAGE

- [MovementEvent Request Body](#)
- [MSE 7 Payload](#)
- [MSE 8 Payload](#)

Request body payloads will depend upon the Cisco MSE message type being created:

- [AssociationEvent Request Body](#)
- [ContainmentEvent Request Body](#)
- [AbsenceEvent Request Body](#)
- **[MovementEvent Request Body](#)**

The following fields exist within a nested MovementEvent object. Required fields are underlined.

v.7	v.8	Parameter	Value	Description
X	X	<u>subscriptionName</u>	string	The name of the events subscription.
X	X	entity	string	The source agent of the events.
X	X	<u>deviceld</u>	string	The device's MAC address.
	X	confidenceFactor	float	A numeric value from 0-100 indicating the percent accuracy of the location coordinate returned.
X	X	<u>locationMapHierarchy</u>	string	A concatenation of the campus name, building name and floor name separated by the '>' character. Used to identify the floor uniquely (e.g. "Phunware_Austin>South>1st_Floor").
X	X	<u>locationCoordinate</u>	object	An object containing key / value pairs of location coordinate data: <ul style="list-style-type: none">• <u>x</u> (float): The x-coordinate of the location.• <u>y</u> (float): The y-coordinate of the location.• unit (string): The unit of measurement (e.g. "FEET").

	X	mseUdi	string	The unique Cisco MSE ID.
X	X	geoCoordinate	object	<p>An object containing key / value pairs of geographical coordinate data:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>MSE 7 accepts "lattitude" [sic] while MSE 8 accepts "latitude".</p> </div> <ul style="list-style-type: none"> • lat[ti]tude (float): The latitude coordinate of the location, in decimal degrees. • longitude (float): The longitude coordinate of the location, in decimal degrees. • unit (string): The unit of measurement (e.g. "DEGREES").
	X	floorRefId	integer	The unique ID for a floor object in the Cisco MSE database.
X	X	moveDistanceInFeet	integer	The displacement of the client device from the last reported X&Y coordinate.
	X	currentlyTracked	Boolean	Indicates whether the MSE is sending MovementEvents for the associated client device.
	X	<u>ipAddress</u>	array	An array of device IP addresses, as strings.
	X	ssid	string	The name of the SSID the client device is connected to (e.g. "Guest Wi-Fi").
	X	band	string	The GHz band at which the access point received a client probe. It is usually 2.4 or 5 GHz.

	X	dot11Status	string	A string indicating the client's association status. Accepted values: "ASSOCIATED", "PROBING", "DELETED"
	X	apMacAddress	string	The AP MAC Address of the Wi-Fi access point. If neither the AP MAC address nor IP address is provided, then service will do a device ID lookup for a given MAC address.
	X	guestUser	Boolean	Indicates whether the connected device is a guest user.
X	X	<u>timestamp</u>	string	The date and time in RFC 3339.

MSE 7 Payload

For version 7 of MSE, construct the following payload:

```
{
  "MovementEvent":
  {
    "subscriptionName": <string>,
    "entity": <string>,
    "deviceId": <string>,
    "locationMapHierarchy": <string>,
    "locationCoordinate":
    {
      "x": <float>,
      "y": <float>,
      "unit": <string>
    },
    "geoCoordinate":
    {
      "latitude": <float>,
      "longitude": <float>,
      "unit": <string>
    },
    "moveDistanceInFt": <float>,
    "timestamp": <string>
  }
}
```

MSE 8 Payload

For version 8 of MSE, construct the following payload:

```
{
  "MovementEvent":
  {
    "subscriptionName": <string>,
    "entity": <string>,
    "deviceId": <string>,
    "confidenceFactor": <float>,
    "locationMapHierarchy": <string>,
    "locationCoordinate":
    {
      "x": <float>,
      "y": <float>,
      "unit": <string>
    },
    "mseUdi": <string>,
    "floorRefId": <integer>,
    "moveDistanceInFt": <float>,
    "currentlyTracked": <Boolean>,
    "ipAddress":
    [
      <string>,
      <string>
    ],
    "ssid": <string>,
    "band": <string>,
    "dot11Status": <string>,
    "apMacAddress": <string>,
    "guestUser": <Boolean>,
    "geoCoordinate":
    {
      "latitude": <float>,
      "longitude": <float>,
      "unit": <string>
    },
    "timestamp": <string>
  }
}
```