

ContainmentEvent Request Body

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ContainmentEvent Request Body

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

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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 ContainmentEvent 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>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	boundary	string	Defines if the user was "INSIDE" or "OUTSIDE" of a target area during a breach. The MARS API only uses floor breaches, so this always returns "INSIDE".
X	X	areaType	string	The location object a client device was seen on. Accepted values: "CAMPUS", "BUILDING", "FLOOR" and "ZONE". The MARS API only uses floor breaches, so this always returns "FLOOR".
X	X	<u>containerHierarchy</u>	string	A concatenation of the campus name, building name and floor name a device was seen on, separated by the '>' character. Used to identify the floor uniquely (e.g. "Phunware_Austin >South>1st_Floor").
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:

```
{
  "ContainmentEvent":
  {
    "subscriptionName": <string>,
    "entity": <string>,
    "deviceId": <string>,
    "locationCoordinate":
    {
      "x": <float>,
      "y": <float>,
      "unit": <string>
    },
    "geoCoordinate":
    {
      "latitude": <float>,
      "longitude": <float>,
      "unit": <string>
    },
    "boundary": <string>,
    "areaType": <string>,
    "containerHierarchy": <string>,
    "timestamp": <string>
  }
}
```

MSE 8 Payload

For version 8 of MSE, construct the following payload:

```
{
  "ContainmentEvent":
  {
    "subscriptionName": <string>,
    "entity": <string>,
    "deviceId": <string>,
    "confidenceFactor": <float>,
    "locationCoordinate":
    {
      "x": <float>,
      "y": <float>,
      "unit": <string>
    },
    "mseUdi": <string>,
    "floorRefId": <integer>,
    "boundary": <string>,
    "areaType": <string>,
    "geoCoordinate":
    {
      "latitude": <float>,
      "longitude": <float>,
      "unit": <string>
    },
    "containerHierarchy": <string>,
    "timestamp": <string>
  }
}
```