



API Information

Revision History

| Revision | Date | Comments |
|----------|----------|--|
| 1 | 21/8/23 | Initial version |
| 2 | 18/9/23 | Updated device and report summary models |
| 3 | 4/12/23 | Updated device and report summary models |
| 4 | 27/6/24 | Updated device model: <ul style="list-style-type: none"> User_MaxHeight depreciated. MaxUsers_HeightOver18m depreciated. |
| 5 | 15/7/24 | Updated device and report models: <ul style="list-style-type: none"> Device: Result_Value updated to include new deactivated state. Report: Status_Value updated to include new deactivated state. |
| 6 | 7/5/25 | Updated list of device types |
| 7 | 20/10/25 | <ul style="list-style-type: none"> Added ReportOutcomeChange model Updated ReportSummary model to include list of outcome changes to given report. |

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Authentication

All calls will require an API key to be included to authenticate the request.

Each body will be provided a unique API key by the system which can be viewed within their account details area and will allow access to their data.

The API key is to be included in the request header by including a key of 'X-API-Key' and the API key as its value.

```
C# - HttpClient
var client = new HttpClient();
var request = new HttpRequestMessage(HttpMethod.Get, "https://{PlatformURL}/api/{Endpoint}");
request.Headers.Add("X-API-Key", "{APIKey}");
var response = await client.SendAsync(request);
response.EnsureSuccessStatusCode();
Console.WriteLine(await response.Content.ReadAsStringAsync());
```

Endpoints

Devices

GetByTag

Looks up a single device based on its tag and returns information about the device and a summary of any reports against it.

Request type: GET

URL: /api/v1/devices/getbytag

Parameters: query parameter added to the URL of 'tag' which is to be the tag no to search for.

Returns: JSON Device object

```
C# - HttpClient
var client = new HttpClient();
var request = new HttpRequestMessage(HttpMethod.Get, "{PlatformURL}/api/v1/devices/getbytag?tag={tagNo}");
request.Headers.Add("X-API-Key", "{APIKey}");
var response = await client.SendAsync(request);
response.EnsureSuccessStatusCode();
Console.WriteLine(await response.Content.ReadAsStringAsync());
```

GetByTags

Looks up multiple devices at once based on their tags and returns information about each device.

Request type: POST

URL: /api/v1/devices/getbytags

Parameters: int[] of tag numbers to be included in the body of the request encoded as application/json data.

Returns: JSON array of Device objects (Device[])

```
C# - HttpClient  
var client = new HttpClient();  
var request = new HttpRequestMessage(HttpMethod.Post, "{PlatformURL}/api/v1/devices  
/getbytags");  
request.Headers.Add("X-API-Key", "{APIKey}");  
var content = new StringContent("[1,2,3]", null, "application/json");  
request.Content = content;  
var response = await client.SendAsync(request);  
response.EnsureSuccessStatusCode();  
Console.WriteLine(await response.Content.ReadAsStringAsync());
```

Models

Device

| Field | Type | Nullable | Description |
|------------------|----------|----------|---|
| Result_Value | Int | No | Result of the lookup: <ul style="list-style-type: none"> 0 = Invalid (not found) 10 = Valid (device match found) 20 = Inactive (match but method use is not current/active, e.g old tag) 30 = Lost/stolen (device has been marked as lost and/or stolen) 40 = Deactivated (device has been deactivated by PIPA and should not be used/shown until further notice) |
| Result_Label | String | No | Text label for the result (see above) |
| Type_Value | Int | No | The type of device <ul style="list-style-type: none"> 0 = Unknown 10 = Flatbed 20 = Castle 30 = A Frame 40 = Bounce Slide Combo 50 = Toddler play zone 60 = Obstacle Course 70 = Slide 80 = Enclosed 90 = Soft Mountain 100 = Bouncing Pillows 110 = Snappies 120 = Non ride on game 130 = Disco domes 140 = Multi play 150 = Enclosed inflatable dome 160 = Water slide 170 = Bungee run |
| Type_Label | string | No | The name of the device type |
| Tag_Initial | Int | No | Id of the first tag assigned to the device |
| Tag_Current | Int | No | Id of the current tag assigned to the device |
| Tag_Previous | Int[] | Yes | List of previous tags assigned to the device |
| Manufacturer | String | Yes | Name of the manufacturer |
| SerialNo | string | Yes | Serial number of the device |
| DateManufactured | DateTime | Yes | Date the device was manufactured |
| Owner_Id | Int | No | Id of the current owner on the system |
| Owner_Name | String | No | Name of the current owner |

| Name | String | Yes | Name of the device |
|-----------------------|-----------------|-----|---|
| Description | String | Yes | Description of the device |
| URL_Image_Front | String | Yes | URL to the publicly accessible latest image of the front of the device. |
| Size_Length | Decimal | Yes | Length of the device from latest/last report |
| Size_Width | Decimal | Yes | Width of the device from the latest/last report |
| Size_Height | Decimal | Yes | Height of the device from the latest/last report |
| User_MaxHeightCustom | Decimal | Yes | A custom maximum user height calculation to cover non-standard wall heights and/or areas that contain obstacles. |
| MaxUsers_HeightTo10m | Int | Yes | The max number of Users of Height up to 1.0m. |
| MaxUsers_HeightTo12m | Int | Yes | The max number of Users of Height up to 1.2m. |
| MaxUsers_HeightTo15m | Int | Yes | The max number of Users of Height up to 1.5m. |
| MaxUsers_HeightTo18m | Int | Yes | The max number of Users of Height up to 1.8m. |
| MaxUsers_HeightCustom | Int | Yes | The calculation for the number of Users of Custom Maximum User Height. |
| Status_Value | Int | No | The id of the current report status of the device. <ul style="list-style-type: none"> 0 = Not Complete 10 = Pass 20 = Pass Advisory 30 = Fail |
| Status_Label | String | No | The label of the current report status |
| CertificateExpiry | DateTime | Yes | Expiry date of the current/latest report |
| URL_PDF_Certificate | String | Yes | URL to the publicly accessible pdf certificate for the latest report if it is a pass or advisor. |
| URL_PDF_Report | String | Yes | URL to the publicly accessible pdf version of the latest report. |
| URL_Report | String | Yes | URL to the publicly accessible online version of the latest report. |
| Reports | ReportSummary[] | Yes | List of reports on the device. |

ReportSummary

| Field | Type | Nullable | Description |
|--------------|--------|----------|---|
| Report_Id | Int | No | Id/Number of the report |
| Type_Value | Int | No | Returns the type of report <ul style="list-style-type: none"> 0 = Unknown 10 = Initial 20 = Annual |
| Type_Label | String | No | The name of the report type |
| Status_Value | Int | No | The status of the report <ul style="list-style-type: none"> 0 = Draft 100 = Awaiting Issue 110 = Awaiting Issue Delay Manufacturer |

| | | | |
|--------------------------|-----------------------|-----|--|
| | | | <ul style="list-style-type: none"> • 120 = Awaiting Issue Delay Stored Inspector • 130 = Awaiting Issue Delay No Payment • 200 = Issued • 400 = Expired • 500 = Void • 600 = Archived • 700 = Deactivated (The report has been deactivated by PIPA and should not be used/shown until further notice) |
| Status_Label | String | No | Label for the status of the report |
| InspectionResult_Value | Int | No | <p>This is the enum value for the current result of the inspection, e.g pass, fail etc</p> <ul style="list-style-type: none"> • 0 = Not complete • 10 = Pass • 20 = Pass with advisories • 30 = Fail |
| InspectionResult_Label | String | No | Label for the inspection result (see above) |
| InspectionResult_Changes | ReportOutcomeChange[] | Yes | List of outcome/result changes the report has gone through. |
| Valid_From | DateTime | Yes | Date the report is valid from once issued |
| Valid_To | DateTime | Yes | Date the report is valid to (inclusive) once issued |
| InspectionBody_Id | Int | No | The id of the inspection body responsible for the report |
| InspectionBody_Name | String | No | The name of the inspection body |
| Inspector_Id | Int | No | The id of the inspector responsible for the report |
| Inspector_Name | string | No | The name of the inspector |
| URL_PDF_Certificate | String | Yes | URL to the publicly accessible pdf certificate for the report if it is a pass or advisor. |
| URL_PDF_Report | String | No | URL to the publicly accessible pdf version of the report. |
| URL_Report | String | No | URL to the publicly accessible online version of the report. |

ReportOutcomeChange

| Field | Type | Nullable | Description |
|---------------------------------|----------|----------|--|
| Version | Int | No | Version number of the report where the change occurred |
| Inspection_Date | DateTime | No | Date of the inspection in local GMT |
| InspectionResult_Value_Previous | Int | No | This is the enum value for the previous result of the inspection, e.g pass, fail etc <ul style="list-style-type: none"> • 0 = Not complete • 10 = Pass • 20 = Pass with advisories • 30 = Fail |
| InspectionResult_Label_Previous | String | No | Label for the inspection result (see above) |
| InspectionResult_Value_New | Int | No | This is the enum value for the new result of the inspection for this version, e.g pass, fail etc <ul style="list-style-type: none"> • 0 = Not complete • 10 = Pass • 20 = Pass with advisories • 30 = Fail |
| InspectionResult_Label_New | String | No | Label for the inspection result (see above) |
| Change_Date | DateTime | No | Date the result change happened in local GMT |
| Change_By | String | No | Name of the person who submitted the change |
| URL_PDF_Report | String | No | URL to the publicly accessible pdf version of the report. |
| URL_Report | String | No | URL to the publicly accessible online version of the report. |