

Smartx HUB[®] Platform - Integration Process

API Reference for Request data Rest Guide

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1 Audience

This document provides guidelines for system to develop API interfaces.

This guide is designed for two primary audiences:

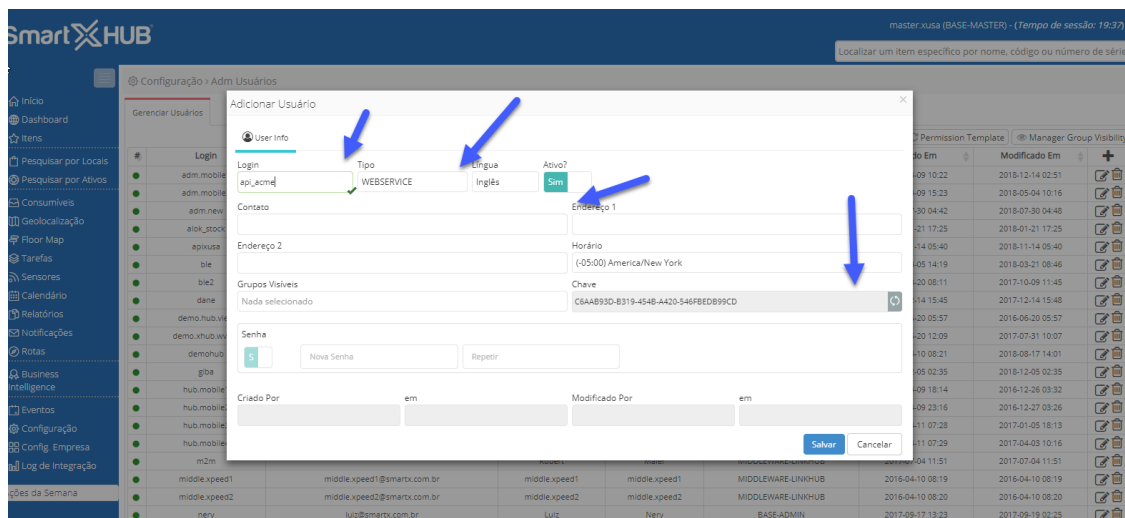
People new to installing server software. This guide is especially for people who might not usually have the job of installing server software. This guide ensures that people with limited IT experience are comfortable installing and managing SmartX Hub® Integration. For example, we explain the concepts that you need to understand and develop the interfaces.

2 API References

Smartx HUB offers developers a platform for a multitude of uses for custom integration, user interfaces, added features and functionality. For example you may need to integrate with an ERP system, provide an application specific or user specific user interface, externally crunch data and place the result back into Smartx HUB, or provide data analytics, charts and graphs

2.1 Create a user type a valid webservice

You will need an API User name and password to process your request. This is your smartx Hub® user type webservice.



In case you need assistance, ask for SmartX representative this API-Key.

3 Default API Access

Find below the standard response for the server.

Default Response for all request

```
{
  "success": true,
  "msg": "",
  "data": [],
  "errorCode": "",
  "errorConsole": "",
  "count": 0
}
```

Fields:

- success: Boolean (true/false)
- msg: Text - Message from Server
- data: Object or List of Objects - Research Records
- errorCode: Text
- errorConsole: Text
- count: Number

Formats:

- Date: YYYY-MM-DD
- Date Time: YYYY-MM-DD HH:MM:SS

Attention: Some fields may not be displayed when no value is set.

4 Users Profile Management

Data Fields

Name	Type	Description	Mandatory
id	Integer (50)	Line Identification	Y
Username	String (50)	User Name	Y
Active	Boolean	User Active (True / False)	Y
password	String(60)	User Password	Y
fname	String(100)	User First Name	Y
lname	String(100)	User Last Name	Y
address1	String(100)	User Address 1	N
address2	String(100)	User Address 2	N
contact	String(50)	User e-mail	Y
Role	String(45)	User role	N

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
lang	User language
companyld	Company Identification

timezone	User time/zone
webkey	User web Key
fullname	User First Name + User Last Name

4.1 List All Users available

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/user/all

Method: GET

Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter : No parameters

Server Response:

List of all employee

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 99999,
      "active": true,
      "userName": "user.admin",
      "userDetail": {
        "fname": "Admin",
        "lname": "Admin",
        "address1": "xx",
        "address2": "",
        "contact": "user@user.com",
        "lang": "en",
        "timeZone": "America/New_York",
      }
    }
  ],
  "errorCode": "",
  "errorConsole": ""
}
```

4.2 Retrieve a single User data

Get a specific user from the Company

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/unique/{ID}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{ID}: You can find a specific employee by ID, by Username or by user e-mail

Example:

Find by ID: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/unique/999999

Find by Username:

https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/unique/user.admin

Parameter: No parameters

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": {
    "id": 99999,
    "active": true,
    "userName": "user.admin",
    "userDetail": {
      "fname": "Admin",
      "lname": "Admin",
      "address1": "xx",
      "address2": "",
      "contact": "user@user.com",
      "lang": "en",
      "timeZone": "America/New_York",
      "role": "admin"
    },
    "fullName": "SmartX Admin"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

4.3 Create a single User

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/user/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "userName": "user.admin",
  "active": true,
  "userDetail": {
    "fname": "Admin",
    "lname": "System",
    "address1": "xx",
    "address2": "",
    "rule": "admin",

    "contact": admsys@test.com
  }
}
```

```

},
"password": "123456"
}

```

Server Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 2794,
    "active": true,
    "userName": "user.adm.admin",
    "userDetail": {
      "fname": "Admin",
      "lname": "System",
      "address1": "xx",
      "address2": "",
      "contact": "admsys@test.coma",
      "lang": "en",
      "timeZone": "UTC",
    },
    "userWebKey": {
      "webKey": "99999999-9999-9999-9999-9999999999"
    },
    "fullName": "Admin System"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

4.4 Update a single User data

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/user/update

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "id": 2794,
  "active": true,
  "userDetail": {
    "fname": "MASTER",
    "lname": "GIBA",
    "address1": "A1",
    "address2": "A2",
    "contact": abccad@test.com,
    "role": "admin"
  },
  "password": "123456"
}

```

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": {
    "id": 2794,
    "active": true,
    "userName": "user.adm.admin",
    "userDetail": {
      "fname": "Admin",
      "lname": "System",
      "address1": "xx",
      "address2": "",
      "contact": "admsys@test.coma",
      "lang": "en",
      "timeZone": "UTC"
    },
    "userWebKey": {
      "webKey": "99999999-9999-9999-9999-9999999999"
    },
    "fullName": "Admin System"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

5 Assets Type List

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
code	Asset Type code
name	Asset Type name
i18n	Asset Type description

5.1 Get Assets type configured for the company

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/objtype/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: no parameter

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 2,
      "name": "gn.item.type.per",
      "code": "PER",
      "i18n": "PEOPLE"
    },
    {
      "id": 3,
      "name": "ITEM",
      "code": "ITM",
      "i18n": "ITEM"
    },
    {
      "id": 4,
      "name": "gn.item.type.veic",
      "code": "VEI",
      "i18n": "VEHICLE"
    },
    {
      "id": 6,
      "name": "gn.item.type.stock",
      "code": "STK",
      "i18n": "STOCK"
    },
    {
      "id": 8,
      "name": "gn.item.type.docs",
      "code": "DOC",
      "i18n": "DOCUMENTS"
    },
    {
      "id": 10,
      "name": "gn.item.type.sensor",
      "code": "SEN",
      "i18n": "SENSORS"
    }
  ],
  "errorCode": "",
  "errorConsole": "",
  "count": 6
}

```

6 Department Management

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (30)	Department Code	Y
description	String (200)	Department Description	N
name	String (255)	Department Name	Y
active	Boolean	Department Activation (true or false)	Y

Response Fields

Name	Description
success	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
named	'[' Department Code ']' + Department Name
companyId	Company Identification
createDate	Date of Creation
createdBy	User who created the Department register
modifyDate	Modification date
modifiedBy	User who modified the Department register

6.1 List of Departments available

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/department/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "DEPARTMENTS",
  "data": [
    {
      "id": 3683,
      "active": true,
      "code": "213",
      "companyId": 10,
      "description": "",
      "createDate": "2019-10-16 16:50",
      "createdBy": "master.xusa",
      "modifiedBy": "master.xusa",
      "modifiedDate": "2020-07-02 14:32",
      "name": "ADMINISTRATIVO 2A",
      "named": "[213]ADMINISTRATIVO 2A"
    }
  ]
}
```

```

    }
  ],
  "errorCode": "",
  "errorConsole": "",
  "count": 8
}

```

6.2 Retrieve a single department data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/department/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Department ID (unique ID created by Smartx HUB) or Department Code

Parameter: No Parameter

Service Response:

```

{
  "success": true,
  "msg": "DEPARTMENT",
  "data": {
    "id": 3683,
    "active": true,
    "code": "213",
    "companyId": 10,
    "description": "",
    "createDate": "2019-10-16 16:50",
    "createdBy": "master.xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2020-07-02 14:32",
    "name": "ADMINISTRATIVO 2A",
    "named": "[213]ADMINISTRATIVO 2A"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

6.3 Add a new Department

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/department/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "active": true,
  "code": "2ABCD",

```

```

    "description": "DEP ADM",
    "name": "DEP ADM"
  }

```

Service Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 5297,
    "active": true,
    "code": "2ABCD",
    "companyId": 10,
    "description": "DEP ADM",
    "createDate": "2020-11-17 12:50",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-17 12:50",
    "name": "DEP ADM",
    "named": "[2ABCD]DEP ADM"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

6.4 Update a single Department data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/department/update/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Department ID (unique ID created by Smartx HUB) or Department Code

Parameter:

```

{
  "code": "2ABCD",
  "description": "DEP ADM",
  "name": "DEP ADM",
  "active": true
}

```

Service Response:

```

{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 5297,
    "active": true,
    "code": "2ABCD",
    "companyId": 10,

```

```

    "description": "DEP ADM",
    "createDate": "2020-11-17 12:50",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-17 12:50",
    "name": "DEP ADM",
    "named": "[2ABCD]DEP ADM"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

6.5 Delete a single Department

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/department/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```

{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}

```

7 Category

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (30)	Category Code	Y
objtypeid	Integer (11)	Tipo de objetos na categoria	Y
description	String (200)	Category Description	N
name	String (255)	Category Name	Y
active	Boolean	Category Activation (true or false)	Y

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification

named	'[' Category Code ']' + Category Name
subcategory	SubCategory Data
path	'[' Category Code ']' + Category Name '/' + '[' SubCategory Code ']' + SubCategory Name
companyId	Company Identification
createDate	Date of Creation
createdBy	User who created the Category register
modifyDate	Modification date
modifiedBy	User who modified the Category register

7.1 List all Categories and Sub-categories

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/category/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 15,
      "active": true,
      "companyId": 10,
      "objTypeId": 3,
      "code": "CAT15",
      "notes": "",
      "name": "FACILITY ASSETS",
      "createDate": "2019-04-07 23:19",
      "createdBy": "master.xusa",
      "modifiedBy": "master.xusa",
      "modifiedDate": "2020-02-28 14:28",
      "subCategories": [
        {
          "id": 138361,
          "active": true,
          "companyId": 10,
          "parentId": 15,
          "objTypeId": 3,
          "code": "CAT138361",
          "notes": "",
          "name": "AIR CONDITION",
          "createDate": "2019-08-16 18:03",
          "createdBy": "master.xusa",
          "modifiedBy": "master.xusa",
          "modifiedDate": "2019-08-16 18:04",
          "subCategories": [],
          "objType": {
            "id": 3,
```

```

        "name": "ITEM",
        "code": "ITM"
    },
    "special": false,
    "path": "[CAT15] FACILITY ASSETS / [CAT138361] AIR CONDITION",
    "named": "[CAT138361] AIR CONDITION"
}
],
"objType": {
    "id": 3,
    "name": "ITEM",
    "code": "ITM",
    "i18n": "ITEM"
},
"special": false,
"path": "[CAT15] FACILITY ASSETS",
"named": "[CAT15] FACILITY ASSETS"
}
],
"errorCode": "",
"errorConsole": "",
"count": 34
}

```

7.2 Retrieve data of a single Category

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/category/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Category ID or Category Code

Parameter: No Parameter

Service Response:

```

{
    "success": true,
    "msg": "",
    "data": {
        "id": 15,
        "active": true,
        "companyId": 10,
        "objTypeId": 3,
        "code": "CAT15",
        "notes": "",
        "name": "FACILITY ASSETS",
        "createDate": "2019-04-07 23:19",
        "createdBy": "master.xusa",
        "modifiedBy": "master.xusa",
        "modifiedDate": "2020-02-28 14:28",
        "subCategories": [
            {

```

```

    "id": 138361,
    "active": true,
    "companyId": 10,
    "parentId": 15,
    "objTypeId": 3,
    "code": "CAT138361",
    "notes": "",
    "name": "AIR CONDITION",
    "createDate": "2019-08-16 18:03",
    "createdBy": "master.xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2019-08-16 18:04",
    "subCategories": [],
    "objType": {
      "id": 3,
      "name": "ITEM",
      "code": "ITM",
      "i18n": "ITEM"
    },
    "special": false,
    "path": "[CAT15] FACILITY ASSETS / [CAT138361] AIR CONDITION",
    "named": "[CAT138361] AIR CONDITION"
  }
],
"objType": {
  "id": 3,
  "name": "ITEM",
  "code": "ITM",
  "i18n": "ITEM"
},
"special": false,
"path": "[CAT15] FACILITY ASSETS",
"named": "[CAT15] FACILITY ASSETS"
},
"errorCode": "",
"errorConsole": ""
}

```

7.3 Create a new Category

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/category/create

Method: PUT

{YOUR_KEY_HERE}: Company web key
 {id}: Category ID or Category Code

Parameter:

```

{
  "active": true,
  "objTypeId": 3,
  "code": "CATABC",
  "notes": "",
  "name": "AIR MOVERS SUB"
}

```

```
}
```

Service Response:

```
{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 5297,
    "active": true,
    "code": "2ABCD",
    "companyId": 10,
    "description": "DEP ADM",
    "createDate": "2020-11-17 12:50",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-17 12:50",
    "name": "DEP ADM",
    "named": "[2ABCD]DEP ADM"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

7.4 Update a single Category

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/category/update/{id}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{id}: Category ID or Category Code

Parameter:

```
{
  "active": true,
  "objTypeId": 3,
  "code": "CATABC",
  "notes": "",
  "name": "AIR MOVERS SUB ABC"
}
```

Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 144865,
    "active": true,
    "companyId": 10,
    "objTypeId": 3,
    "code": "CATABC",

```

```

"notes": "",
"name": "AIR MOVERS SUB",
"createDate": "2020-11-17 13:10",
"createdBy": "adm.mobile1",
"modifiedBy": "adm.mobile1",
"modifiedDate": "2020-11-17 13:10",
"objCategoryOptions": [],
"subCategories": [],
"objType": {
  "id": 3,
  "iconId": 596,
  "name": "ITEM",
  "code": "ITM",
  "createDate": "2016-01-26 21:19",
  "createdBy": "super_app",
  "modifiedBy": "super_app",
  "modifiedDate": "2016-07-07 12:14",
  "icon": {
    "id": 596,
    "name": "price-tag-5",
    "icon": "price-tag-5.png",
    "category": "_reserved",
    "reserved": true,
    "active": true,
    "url": "\\icons\\_reserved\\price-tag-5.png"
  },
  "i18n": "ITEM"
},
"special": false,
"customFields": [],
"path": "[CATABC] AIR MOVERS SUB",
"named": "[CATABC] AIR MOVERS SUB"
},
"errorCode": "",
"errorConsole": ""
}

```

7.5 Delete a single Category

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/category/delete/{id}

Method: DELETE

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{id} = Category ID

Parameter: No parameter

Service Response:

```

{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": ""
}

```

```
"errorConsole": ""
}
```

8 Status

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (30)	Status Code	Y
name	String (255)	Status Name	Y
color	Integer (11)	Status Color	N
active	Boolean	Status Activation (true or false)	Y

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
named	'[Status Code ']' + Status Name
companyId	Company Identification
createDate	Date of Creation
createdBy	User who created the Status register
modifyDate	Modification date
modifiedBy	User who modified the Status register

8.1 List of All available Status

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/objstatus/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
```

```

    "id": 1,
    "name": "gn.disposition.type.available",
    "code": "CM1",
    "named": "[CM1] *AVAILABLE"
  }
],
"errorCode": "",
"errorConsole": "",
"count": 19
}

```

8.2 Retrieve a single Status data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/objstatus/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Status ID or Status Code

Parameter: No Parameter

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 1,
    "name": "gn.disposition.type.available",
    "code": "CM1",
    "named": "[CM1] *AVAILABLE"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

8.3 Add a new Status

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/objstatus/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "code": "ABCD0001",
  "name": "TEST STATUS",
  "color": "FF0044",
  "active": true
}

```

Service Response:

```
{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "active": true,
    "reserved": false,
    "createDate": "2020-11-18 15:18",
    "createdBy": "adm.mobile1",
    "name": "TEST STATUS",
    "code": "ABCD0001",
    "color": "FF0044",
    "named": "[ABCD0001] TEST STATUS "
  },
  "errorCode": "",
  "errorConsole": ""
}
```

8.4 Update a single Status

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/objstatus/update/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{id}: Status ID

Parameter:

```
{
  "code": "ABCD0001",
  "name": "STATUS - UPDATE",
  "color": "FF0099",
  "active": true
}
```

Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 2405,
    "active": true,
    "reserved": false,
    "companyId": 10,
    "createDate": "2020-11-18 15:18",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-18 15:28",
    "name": "STATUS - UPDATE",
    "code": "ABCD0001",
    "color": "FF0099",
  }
}
```



```

    "named": "[ABCD0001] STATUS - UPDATE"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

8.5 Delete a single Status data

URL: https://smartrxhub.cloud/api/{YOUR_KEY_HERE}/objstatus/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Status ID

Parameter: No parameter

Service Response:

```

{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}

```

9 Conditions

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (30)	Condition Code	Y
name	String (255)	Condition Name	Y
active	Boolean	Condition Activation (true or false)	Y

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
named	'[Condition Code ']' + Condition Name
companyld	Company Identification
color	Condition Color
createDate	Date of Creation
createdBy	User who created the Condition register

modifyDate Modification date
modifiedBy User who modified the Condition register

9.1 List of all Conditions data available

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/condition/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 21,
      "active": true,
      "companyId": 10,
      "createDate": "2015-08-04 18:25",
      "createdBy": "xusa",
      "modifiedBy": "master.xusa",
      "modifiedDate": "2019-12-29 10:05",
      "name": "BROKEN",
      "code": "CON21",
      "color": "FFFFFF",
      "named": "[CON21] BROKEN"
    }
  ],
  "errorCode": "",
  "errorConsole": "",
  "count": 13
}
```

9.2 Retrieve a single Conditions Data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/condition/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Conditions ID or Condition Code

Parameter: No Parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": {
    "id": 21,
    "active": true,
    "companyId": 10,
    "createDate": "2015-08-04 18:25",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2019-12-29 10:05",
    "name": "BROKEN",
    "code": "CON21",
    "color": "FFFFFF",
    "named": "[CON21] BROKEN"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

9.3 Add a new Conditions Data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/condition/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "code": "ABCGIBA",
  "active": true,
  "name": "GIBA TESTE CONDITION"
}
```

Service Response:

```
{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 2686,
    "active": true,
    "companyId": 10,
    "createDate": "2020-11-18 16:12",
    "createdBy": "adm.mobile1",
    "name": "GIBA TESTE CONDITION",
    "code": "ABCGIBA",
    "named": "[ABCGIBA] GIBA TESTE CONDITION"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

```
}
```

9.4 Update a single Condition Data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/condicao/update/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Conditions ID

Parameter:

```
{
  "code": "ABCGIBATEST",
  "active": true,
  "name": "GIBA TESTE CONDITION - UPDATE"
}
```

Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 2686,
    "active": true,
    "companyId": 10,
    "createDate": "2020-11-18 16:12",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-18 16:16",
    "name": "GIBA TESTE CONDITION - UPDATE",
    "code": "GIBATEST",
    "named": "[GIBATEST] GIBA TESTE CONDITION - UPDATE"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

9.5 Delete a single Conditions Data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/condition/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Conditions ID

Parameter: No parameter

Service Response:

```
{
```

```

"success": true,
"msg": "Removed successfully!",
"errorCode": "",
"errorConsole": ""
}

```

10 Cost Center

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (30)	Cost Center Code	Y
name	String (100)	Cost Center Name	Y
notes	String (500)	Cost Center Notes	N
active	Boolean	Cost Center Activation (true or false)	Y

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
named	'[Cost Center Code ']' + Cost Center Name
companyld	Company Identification
color	Cost Center Color
createDate	Date of Creation
createdBy	User who created the Cost Center register
modifyDate	Modification date
modifiedBy	User who modified the Cost Center register

10.1 List of all Cost center data available

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/costcenter/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```

{
  "success": true,

```

```

"msg": "",
"data": [
  {
    "id": 21,
    "active": true,
    "companyId": 10,
    "createDate": "2016-05-19 14:51",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2020-02-17 13:11",
    "code": "CC21",
    "name": "PERSONAL COST CENTER",
    "named": "[CC21]PERSONAL COST CENTER"
  },
  {
    "id": 22,
    "active": true,
    "companyId": 10,
    "createDate": "2016-05-19 14:51",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2020-02-17 13:12",
    "code": "CC22",
    "name": "SERVICE COST CENTER",
    "named": "[CC22]SERVICE COST CENTER"
  }
],
"errorCode": "",
"errorConsole": "",
"count": 12
}

```

10.2 Retrieve a single Cost center data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/costcenter/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Cost Center ID or Cost Center Code

Parameter: No Parameter

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 21,
    "active": true,
    "companyId": 10,
    "createDate": "2016-05-19 14:51",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",

```

```

    "modifiedDate": "2020-02-17 13:11",
    "code": "CC21",
    "name": "PERSONAL COST CENTER",
    "named": "[CC21]PERSONAL COST CENTER"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

10.3 Add a new Cost Center

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/costcenter/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "active": true,
  "code": "CGIBA1",
  "name": "COST CENTER - GIBA",
  "notes": "NOTAS"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 11299,
    "active": true,
    "companyId": 10,
    "createDate": "2020-11-18 16:41",
    "createdBy": "adm.mobile1",
    "code": "CGIBA1",
    "name": "COST CENTER - GIBA",
    "notes": "NOTAS",
    "named": "[CGIBA1]COST CENTER - GIBA"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

10.4 Update a single Cost center data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/costcenter/update/{id}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{id}: Cost Center ID or Cost Center Code

Parameter:

```
{
  "active": true,
  "code": "CGIBA122",
  "name": "COST CENTER - GIBA - UPD",
  "notes": "NOTAS UPDT"
}
```

Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 11299,
    "active": true,
    "companyId": 10,
    "createDate": "2020-11-18 16:41",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-18 16:42",
    "code": "CGIBA122",
    "name": "COST CENTER - GIBA - UPD",
    "notes": "NOTAS UPDT",
    "named": "[CGIBA122]COST CENTER - GIBA - UPD"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

10.5 Delete a single Cost center data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/costcenter/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{id}: Cost Center ID

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}
```


11 Group – Asset Groups Management

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (30)	Group Code	Y
name	String (255)	Group Name	Y
description	String (255)	Group Description	N
active	Boolean	Group Activation (true or false)	Y

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
named	'[Group Code ']' + Group Name
companyId	Company Identification
createDate	Date of Creation
createdBy	User who created the Group register
modifyDate	Modification date
modifiedBy	User who modified the Group register

11.1 List all Groups available

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/group/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 16,
      "active": true,
      "companyId": 10,
      "createDate": "2015-08-04 14:32",
      "code": "GRP16",
      "createdBy": "xusa",
    }
  ]
}
```

```

    "modifiedBy": "master.xusa",
    "modifiedDate": "2016-11-15 14:13",
    "name": "PERSONNEL",
    "description": "",
    "named": "[GRP16]PERSONNEL"
  },
  {
    "id": 18,
    "active": true,
    "companyId": 10,
    "createDate": "2015-08-04 14:34",
    "code": "GRP18",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2016-11-15 14:13",
    "name": "PRODUCTION VEHICLES",
    "description": "Production Vehicles",
    "named": "[GRP18]PRODUCTION VEHICLES"
  }
],
"errorCode": "",
"errorConsole": "",
"count": 16
}

```

11.2 Retrieve a single Groups data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/group/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{d}: Group ID or Group Code

Parameter: no parameter

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 16,
    "active": true,
    "companyId": 10,
    "createDate": "2015-08-04 14:32",
    "code": "GRP16",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2016-11-15 14:13",
    "name": "PERSONNEL",
    "description": ""
  }
}

```

```

    "named": "[GRP16]PERSONNEL"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

11.3 Add a new Groups data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/group/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "active": true,
  "code": "GRP_GIBA",
  "name": "GRUPO GIBA",
  "description": "DESC GRUPO GIBA"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 17068,
    "active": true,
    "companyId": 10,
    "createDate": "2020-11-18 16:51",
    "code": "GRP_GIBA",
    "createdBy": "adm.mobile1",
    "name": "GRUPO GIBA",
    "description": "DESC GRUPO GIBA",
    "named": "[GRP_GIBA]GRUPO GIBA"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

11.4 Update a single Groups data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/group/update/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{d}: Group ID or Group Code

Parameter:

```
{
  "active": true,
  "code": "GRP_GIBA_2",
  "name": "GRUPO GIBA 2",
  "description": "DESC GRUPO GIBA - 2"
}
```

Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 17068,
    "active": true,
    "companyId": 10,
    "createDate": "2020-11-18 16:51",
    "code": "GRP_GIBA_2",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-18 16:52",
    "name": "GRUPO GIBA 2",
    "description": "DESC GRUPO GIBA - 2",
    "named": "[GRP_GIBA_2]GRUPO GIBA 2"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

11.5 Delete a single Group data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/group/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{d}: Group

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}
```

12 Client List or Custody for Assets

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (50)	Custody Code	Y
codeAux	String (50)	Custody Aux. Code	N
name	String (255)	Custody Name	Y
address	String (400)	Custody Address	Y
addressAux	String (400)	Custody Aux. Address	N
createdBy	String(50)	User who created the Custody register	N
email	String(200)	Custody Contact e-mail address	N
guid	String(200)	Guidelines of Custody	N
phone	String(30)	Custody Contact phone number	N
originalHireDate	DateTime	Custody register date	N
workerType	String(50)	Worker type	N
employeeType	String(50)	Employee type	N
managementLevel	String(200)	Management level	N
country	String(50)	Custody Country	N
location	String(200)	Custody Location	N
locationLevel1	String(200)	Custody Location Level 1	N
locationLevel2	String(200)	Custody Location Level 2	N
locationLevel3	String(200)	Custody Location Level 3	N
locationLevel4	String(200)	Custody Location Level 4	N
jobCategory	String(200)	Job Category	N
coach	String(200)	Coach Name	N
coachId	String(50)	Coach ID	N
workerManager	String(200)	Manager Name	N
managerId	String(50)	Manager ID	N
companyName	String(200)	Company Name	N
costCenterLevel1	String(200)	Cost Center Level 1	N
costCenterLevel2	String(200)	Cost Center Level 2	N
costCenterLevel3	String(200)	Cost Center Level 3	N
costCenterName	String(200)	Cost Center Name	N

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
named	'[Group Code ']' + Group Name
companyId	Company Identification

12.1 List all Clients (Custody) data

List all clients or custody data of the Company

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter : No parameters

Server Response:

List of all custodies

```
{
  "success": true,
  "msg": "CUSTODY",
  "data": [
    {
      "id": 82,
      "companyId": 10,
      "name": "SMARTX WAREHOUSING EQUIPMENT",
      "code": "C17149787",
      "codeAux": "9067",
      "address": "589 ELECTRONIC STREET",
      "addressAux": "",
      "extra": "",
      "createDate": "2015-09-10 10:33",
      "createdBy": "xusa",
      "modifiedBy": "master.xusa",
      "modifiedDate": "2019-08-10 02:05",
      "email": "",
      "phone": "323 232 2 2332 23233",
      "guid": "",
      "workerType": "",
      "employeeType": "",
      "managementLevel": "",
      "country": "",
      "location": "",
      "locationLevel1": "",
      "locationLevel2": "",
      "locationLevel3": "",
      "locationLevel4": "",
      "jobCategory": "",
      "coach": "",
      "coachId": "",
      "workerManager": "",
      "managerId": "",
      "companyName": "",
      "costCenterLevel1": "",
      "costCenterLevel2": ""
    }
  ]
}
```

```

        "costCenterLevel3": "",
        "costCenterName": "",
        "named": "[C17149787] SMARTX WAREHOUSING EQUIPMENT"
    }
},
"errorCode": "",
"errorConsole": "",
"count": 18
}

```

12.2 Retrieve a single Client data

Get a specific client of Company

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/unique/{ID}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{ID}: Client ID (SmartX Custody ID)

Parameter : No parameters

Server Response:

List of all custodies

```

{
  "success": true,
  "msg": "CUSTODY",
  "data": [
    {
      "id": 82,
      "companyId": 10,
      "name": "SMARTX WAREHOUSING EQUIPMENT",
      "code": "C17149787",
      "codeAux": "9067",
      "address": "589 ELECTRONIC STREET",
      "addressAux": "",
      "extra": "",
      "createDate": "2015-09-10 10:33",
      "createdBy": "xusa",
      "modifiedBy": "master.xusa",
      "modifiedDate": "2019-08-10 02:05",
      "email": "",
      "phone": "323 232 2 2332 23233",
      "guid": "",
      "workerType": "",
      "employeeType": "",
      "managementLevel": "",
      "country": "",
      "location": "",
      "locationLevel1": "",
      "locationLevel2": "",
      "locationLevel3": "",
    }
  ]
}

```

```

        "locationLevel4": "",
        "jobCategory": "",
        "coach": "",
        "coachId": "",
        "workerManager": "",
        "managerId": "",
        "companyName": "",
        "costCenterLevel1": "",
        "costCenterLevel2": "",
        "costCenterLevel3": "",
        "costCenterName": "",
        "named": "[C17149787] SMARTX WAREHOUSING EQUIPMENT"
    }
},
    "errorCode": "",
    "errorConsole": "",
    "count": 18
}

```

12.3 Add a new Client

Create a new client of the company

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter :

```

{
    "code": "CC99881",
    "name": "CC99818",
    "codeAux": "CC99881",
    "address": "BALTAZAR LISBOA, 527 AP 64",
    "addressAux": "",
    "extra": "",
    "createdBy": "adm.mobile1",
    "email": "CARLOS.RIBEIRO@SMARTXTECHNOLOGY.COM",
    "phone": "1155494958",
    "guid": "",
    "originalHireDate": "2019-05-21 00:00",
    "workerType": "",
    "employeeType": "",
    "managementLevel": "",
    "country": "BRAZIL",
    "location": "",
    "locationLevel1": "",
    "locationLevel2": "",
    "locationLevel3": "",
    "locationLevel4": "",
}

```



```

"jobCategory": "",
"coach": "",
"coachId": "",
"workerManager": "",
"managerId": "",
"companyName": "SMARTX",
"costCenterLevel1": "",
"costCenterLevel2": "",
"costCenterLevel3": "",
"costCenterName": ""
}

```

Server Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 36949,
    "companyId": 10,
    "name": "CLIENT NAME",
    "code": "CN001",
    "codeAux": "",
    "address": "BALTAZAR LISBOA, 527 AP 64",
    "addressAux": "",
    "extra": "",
    "createDate": "2019-11-05 21:03",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2019-11-05 21:03",
    "email": "CARLOS.RIBEIRO@SMARTXTECHNOLOGY.COM",
    "phone": "1155494958",
    "guid": "",
    "originalHireDate": "2019-05-21 04:00",
    "workerType": "",
    "employeeType": "",
    "managementLevel": "",
    "country": "BRAZIL",
    "location": "",
    "locationLevel1": "",
    "locationLevel2": "",
    "locationLevel3": "",
    "locationLevel4": "",
    "jobCategory": "",
    "coach": "",
    "coachId": "",
    "workerManager": "",
    "managerId": "",
    "companyName": "SMARTX",
    "costCenterLevel1": "",
    "costCenterLevel2": "",
    "costCenterLevel3": "",
    "costCenterName": "",
    "named": "[CN001] CLIENT NAME"
  }
}

```

```

    },
    "errorCode": "",
    "errorConsole": ""
  }

```

12.4 Update a single Client data

Update a client data of the company

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/update/{ID}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: CUSTODY ID (client ID)

Parameter :

```

{
  "code": "CC99881",
  "name": "CC99818",
  "codeAux": "CC99881",
  "address": "BALTAZAR LISBOA, 527 AP 64",
  "addressAux": "",
  "extra": "",
  "createdBy": "adm.mobile1",
  "email": "CARLOS.RIBEIRO@SMARTXTECHNOLOGY.COM",
  "phone": "1155494958",
  "guid": "",
  "originalHireDate": "2019-05-21 00:00",
  "workerType": "",
  "employeeType": "",
  "managementLevel": "",
  "country": "BRAZIL",
  "location": "",
  "locationLevel1": "",
  "locationLevel2": "",
  "locationLevel3": "",
  "locationLevel4": "",
  "jobCategory": "",
  "coach": "",
  "coachId": "",
  "workerManager": "",
  "managerId": "",
  "companyName": "SMARTX",
  "costCenterLevel1": "",
  "costCenterLevel2": "",
  "costCenterLevel3": "",
  "costCenterName": ""
}

```

}

Server Response:

```

{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 36949,
    "companyId": 10,
    "name": "CLIENT NAME",
    "code": "CN001",
    "codeAux": "",
    "address": "BALTAZAR LISBOA, 527 AP 64",
    "addressAux": "",
    "extra": "",
    "createDate": "2019-11-05 21:03",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2019-11-05 21:03",
    "email": "CARLOS.RIBEIRO@SMARTXTECHNOLOGY.COM",
    "phone": "1155494958",
    "guid": "",
    "originalHireDate": "2019-05-21 04:00",
    "workerType": "",
    "employeeType": "",
    "managementLevel": "",
    "country": "BRAZIL",
    "location": "",
    "locationLevel1": "",
    "locationLevel2": "",
    "locationLevel3": "",
    "locationLevel4": "",
    "jobCategory": "",
    "coach": "",
    "coachId": "",
    "workerManager": "",
    "managerId": "",
    "companyName": "SMARTX",
    "costCenterLevel1": "",
    "costCenterLevel2": "",
    "costCenterLevel3": "",
    "costCenterName": "",
    "named": "[CN001] CLIENT NAME"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

12.5 Delete Client (or custody)

Delete a client (or custody data) of the company

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/delete/{ID}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{ID}: Client ID (SmartX Custody ID)

Parameter : No parameters

Server Response:

```
{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}
```

12.6 Add multiple Clients data

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/custody/createMultiples

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

Body: List of new custodies

```
[
  {
    "name": "CLIENT NAME B",
    "code": "CN001132",
    "codeAux": "",
    "address": "BALTAZAR LISBOA, 527 AP 64",
    "addressAux": "",
    "extra": "",
    "createDate": "2019-05-21 14:00",
    "createdBy": "adm.mobile1",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2019-08-10 02:03",
    "email": "aaaaaabbbaa",
    "phone": "1155494958",
    "guid": "",
    "originalHireDate": "2019-05-21 00:00",
    "workerType": "",
    "employeeType": "",
    "managementLevel": "",
    "country": "BRAZIL",
    "location": "",
    "locationLevel1": ""
  }
]
```

```

"locationLevel2": "",
"locationLevel3": "",
"locationLevel4": "",
"jobCategory": "",
"coach": "",
"coachId": "",
"workerManager": "",
"managerId": "",
"companyName": "SMARTX",
"costCenterLevel1": "",
"costCenterLevel2": "",
"costCenterLevel3": "",
"costCenterName": ""
},
{
"name": "CLIENT NAME AAAAAA",
"code": "CN0011",
"codeAux": "",
"address": "BALTAZAR LISBOA, 527 AP 64",
"addressAux": "",
"extra": "",
"createDate": "2019-05-21 14:00",
"createdBy": "adm.mobile1",
"modifiedBy": "master.xusa",
"modifiedDate": "2019-08-10 02:03",
"email": "CARLOS.RIBEIRO@SMARTXTECHNOLOGY.COM_AAAAAA_BBBB",
"phone": "1155494958",
"guid": "",
"originalHireDate": "2019-05-21 00:00",
"workerType": "",
"employeeType": "",
"managementLevel": "",
"country": "BRAZIL",
"location": "",
"locationLevel1": "",
"locationLevel2": "",
"locationLevel3": "",
"locationLevel4": "",
"jobCategory": "",
"coach": "",
"coachId": "",
"workerManager": "",
"managerId": "",
"companyName": "SMARTX",
"costCenterLevel1": "",
"costCenterLevel2": "",
"costCenterLevel3": "",
"costCenterName": ""
}
]

```

Response Server: Success or False per client id.

13 Site Management

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (50)	Site Code	Y
name	String (50)	Site Name	Y
capacity	Integer (11)	Site Capacity (number of people)	N
notes	String (255)	Site Description	N

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
id	Line Identification
named	'[Site Code ']' + Site Name
companyId	Company Identification
createDate	Date of Creation
createdBy	User who created the Site register
modifyDate	Modification date
modifiedBy	User who modified the Site register

13.1 List of all sites

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationsite/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 2421,
      "createDate": "2020-04-16 12:41",
      "createdBy": "master.xusa",
      "modifiedBy": "master.xusa",
    }
  ]
}
```

```

    "modifiedDate": "2020-04-16 12:41",
    "code": "10001Z",
    "name": "HOSPITAL ORLANDO UNIT 1 (DINA)",
    "capacity": 100,
    "named": "[10001Z] HOSPITAL ORLANDO UNIT 1 (DINA)"
  },
  {
    "id": 1,
    "createDate": "2016-05-09 14:57",
    "createdBy": "xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2020-02-17 13:40",
    "code": "1000A",
    "name": "UCF - UNIVERSITY CENTRAL FLORIDA ",
    "notes": "",
    "capacity": 100,
    "named": "[1000A] UCF - UNIVERSITY CENTRAL FLORIDA "
  }
],
"errorCode": "",
"errorConsole": "",
"count": 13
}

```

13.2 Retrieve a single site

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationsite/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Site ID

Parameter: no parameters

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 2421,
    "createDate": "2020-04-16 12:41",
    "createdBy": "master.xusa",
    "modifiedBy": "master.xusa",
    "modifiedDate": "2020-04-16 12:41",
    "code": "10001Z",
    "name": "HOSPITAL ORLANDO UNIT 1 (DINA)",
    "capacity": 100,
    "named": "[10001Z] HOSPITAL ORLANDO UNIT 1 (DINA)"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

```
}
```

13.3 Add a single site data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationsite/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "code": "G1236",
  "name": "SITE GIBA",
  "capacity": 987,
  "notes": "NOTAS CRIAR SITE"
}
```

Service Response:

```
{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 3566,
    "createDate": "2020-11-18 17:20",
    "createdBy": "adm.mobile1",
    "code": "G1236",
    "name": "SITE GIBA",
    "notes": "NOTAS CRIAR SITE",
    "capacity": 987,
    "named": "[G1236] SITE GIBA"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

13.4 Update a single site

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationsite/update/{id}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Site ID

Parameter:

```
{
  "code": "G1239",
  "name": "SITE GIBA UPD",
  "capacity": 555,
  "notes": "NOTAS CRIAR SITE UPD"
}
```


Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 3566,
    "createDate": "2020-11-18 17:20",
    "createdBy": "adm.mobile1",
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-18 17:21",
    "code": "G1239",
    "name": "SITE GIBA UPD",
    "notes": "NOTAS CRIAR SITE UPD",
    "capacity": 555,
    "named": "[G1239] SITE GIBA UPD"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

13.5 Delete a single site

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationsite/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Site ID

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}
```

14 Areas or Floor Management

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (50)	Area Code	Y
description	String (50)	Area Description	Y
capacity	Integer (11)	Area Capacity (number of people)	N
notes	String (1000)	Area Notes	N
floor	String (100)	Area Floor	N

siteID	Integer (11)	Site related	N
city	String (100)	Area City	N
country	String (50)	Area Country	N
state	String (100)	Area State	N
address	String (100)	Area Address	N
zipCode	String (50)	Area ZipCode	N
latitude	String (30)	Area Latitude	N
longitude	String (30)	Area Longitude	N

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
named	'[Area Code ']' + Area Name
createDate	Date of Creation
createdBy	User who created the Area register
modifyDate	Modification date
modifiedBy	User who modified the Area register

14.1 List of Area data base on Sites

URL: https://smartrxhub.cloud/api/{YOUR_KEY_HERE}/locationarea/{site}/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Site ID

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 1985,
      "code": "10002-B01",
      "createDate": "2018-07-14 00:08",
      "createdBy": "master.xusa",
      "description": "PRODUCTION PLANT 10191- A",
      "floor": "0",
    }
  ]
}
```

```

    "modifiedBy": "master.xusa",
    "city": "",
    "country": "",
    "state": "",
    "address": "",
    "zipCode": "",
    "modifiedDate": "2019-01-13 16:42",
    "notes": "",
    "capacity": 50
  },
  {
    "id": 2097,
    "code": "10002-C01",
    "createDate": "2018-08-11 19:48",
    "createdBy": "master.xusa",
    "description": "INDIA WAREHOUSE A",
    "floor": "1",
    "modifiedBy": "master.xusa",
    "city": "",
    "country": "",
    "state": "",
    "address": "",
    "zipCode": "",
    "modifiedDate": "2019-01-02 12:21",
    "notes": "",
    "capacity": 50
  }
],
"errorCode": "",
"errorConsole": "",
"count": 4
}

```

14.2 List of a single Area data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationarea/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{ID}: Area ID

Parameter: no parameter

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 1985,
    "code": "10002-B01",
    "createDate": "2018-07-14 00:08",

```

```

    "createdBy": "master.xusa",
    "description": "PRODUCTION PLANT 10191- A",
    "floor": "0",
    "modifiedBy": "master.xusa",
    "city": "",
    "country": "",
    "state": "",
    "address": "",
    "zipCode": "",
    "modifiedDate": "2019-01-13 16:42",
    "notes": "",
    "capacity": 50
  },
  "errorCode": "",
  "errorConsole": ""
}

```

14.3 Add a single Area to a unique site id

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationarea/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "code": "AG0001",
  "description": "AREA-GIBA - DESCRICAO",
  "floor": "1",
  "siteId": 3564,
  "city": "MARINGA",
  "country": "BRASIL",
  "state": "PARANA",
  "address": "RUA",
  "zipCode": "87",
  "notes": "NOTAS",
  "capacity": 888,
  "latitude": "99.999999",
  "longitude": "99.999999"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {

```

```

    "id": 5600,
    "code": "AG0001",
    "createDate": "2020-11-18 18:55",
    "createdBy": "adm.mobile1",
    "description": "AREA-GIBA - DESCRICAO",
    "floor": "1",
    "modifiedBy": "adm.mobile1",
    "city": "MARINGA",
    "country": "BRASIL",
    "state": "PARANA",
    "address": "RUA",
    "zipCode": "87",
    "modifiedDate": "2020-11-18 18:56",
    "notes": "NOTAS",
    "latitude": "99.999999",
    "longitude": "99.999999",
    "capacity": 888
  },
  "errorCode": "",
  "errorConsole": ""
}

```

14.4 Update Area

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationarea/update/{id}

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{ID}: Area ID

Method: PUT

Parameter:

```

{
  "code": "AREA-GIBA1",
  "description": "AREA-GIBA - DESCRICAO - UPD",
  "floor": "2",
  "siteId": 1035,
  "city": "MARINGA-1",
  "country": "BRASIL-1",
  "state": "PARANA-1",
  "address": "RUA-1",
  "zipCode": "87-1",
  "notes": "NOTAS-1",
  "capacity": 222
}

```

Service Response:

```

{

```

```

"success": true,
"msg": "Updated successfully!",
"data": {
  "id": 5599,
  "code": "AREA-GIBA1",
  "createDate": "2020-11-18 18:00",
  "createdBy": "adm.mobile1",
  "description": "AREA-GIBA - DESCRICAO - UPD",
  "floor": "2",
  "city": "MARINGA-1",
  "country": "BRASIL-1",
  "state": "PARANA-1",
  "address": "RUA-1",
  "zipCode": "87-1",
  "notes": "NOTAS-1",
  "capacity": 222
},
"errorCode": "",
"errorConsole": ""
}

```

14.5 Delete a single Area data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationarea/delete/{id}

Method: DELETE

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{ID}: Area ID

Parameter: No parameter

Service Response:

```

{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}

```

15 Zones (locations) Management

Data Fields

Name	Type	Description	Mandatory
id	Integer (20)	Line Identification	Y
code	String (50)	Zone Code	Y
description	String (50)	Zone Description	Y

capacity	Integer (11)	Zone Capacity (number of people)	N
notes	String (1000)	Zone Notes	N
AreaID	Integer (11)	Area related	N
onlyGPSUpdate	Boolean	Update only GPS coordinates (using fixed readers)	N
musteringPoint	Boolean	The zone is a mustering point? (True/False)	N
aisle	String (30)	Aisle Identification	N
shelf	String (30)	Shelf Identification	N
bin	String (30)	Bin Identification	N
latitude	String (20)	Zone Latitude	N
longitude	String (20)	Zone Longitude	N
locTypeld	String (20)	Type of local (related to another table)	N
responsible	String (100)	Zone Responsible	N

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
named	'[Zone Code ' + Zone Name
createDate	Date of Creation
createdBy	User who created the Zone register
modifyDate	Modification date
modifiedBy	User who modified the Zone register

15.1 List all zones locations per Area ID

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationzone/{area}/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{ID}: Area ID

Parameter: No parameter

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 33,
      "code": "01",
      "createDate": "2015-08-26 14:23",
      "createdBy": "xusa",

```

```

    "definition": "indoor",
    "description": "RECEPTION",
    "aisle": "",
    "shelf": "",
    "bin": "",
    "locTypeId": 107,
    "arealId": 19,
    "modifiedBy": "master.xusa",
    "modifiedDate": "2019-08-20 23:45",
    "notes": "",
    "onlyGPSUpdate": false,
    "latitude": "26.3767589",
    "longitude": "-80.1037721",
    "musteringPoint": false,
    "responsible": "ADAM ECKSTEIN",
    "capacity": 30
  }
],
"errorCode": "",
"errorConsole": ""
}

```

15.2 Retrieve a single Zones locations data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationzone/unique/{id}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id} : Zone ID

Parameter: no Parameters

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "id": 33,
    "code": "01",
    "createDate": "2015-08-26 14:23",
    "createdBy": "xusa",
    "definition": "indoor",
    "description": "RECEPTION",
    "aisle": "",
    "shelf": "",
    "bin": "",
    "locTypeId": 107,
    "arealId": 19,
    "modifiedBy": "master.xusa",
    "modifiedDate": "2019-08-20 23:45",
    "notes": ""
  }
}

```



```

    "onlyGPSUpdate": false,
    "latitude": "26.3767589",
    "longitude": "-80.1037721",
    "musteringPoint": false,
    "responsible": "ADAM ECKSTEIN",
    "capacity": 30
  },
  "errorCode": "",
  "errorConsole": ""
}

```

15.3 Add a single Zones locations data to an Area

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationzone/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "areald": 5600,
  "locTypeid": 458,
  "code": "ZGIBA",
  "description": "PATIENT ROOM",
  "onlyGPSUpdate": true,
  "musteringPoint": true,
  "capacity": 30,
  "latitude": "88.123",
  "longitude": "99.123",
  "aisle": "aisle",
  "shelf": "shelf",
  "bin": "bin",
  "notes": "notes",
  "responsible": "responsible"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 37729,
    "code": "ZGIBA",
    "createDate": "2020-11-18 19:02",
    "createdBy": "adm.mobile1",
    "description": "PATIENT ROOM",
    "aisle": "aisle",
    "shelf": "shelf",
    "bin": "bin",
    "locTypeid": 458,
    "areald": 5600,

```

```

    "notes": "notes",
    "onlyGPSUpdate": true,
    "latitude": "88.123",
    "longitude": "99.123",
    "musteringPoint": true,
    "capacity": 30,
    "responsible": "responsible"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

15.4 Update a single Zones locations data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationzone/update/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id} : Zone ID

Parameter:

```

{
  "areald": 5600,
  "locTypeId": 458,
  "code": "ZGIBA1",
  "description": "ZGIBA - UPDATE",
  "onlyGPSUpdate": true,
  "musteringPoint": true,
  "capacity": 30,
  "latitude": "88.123",
  "longitude": "99.123",
  "aisle": "aisle",
  "shelf": "shelf",
  "bin": "bin",
  "notes": "notes",
  "responsible": "responsible"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 37729,
    "code": "ZGIBA1",
    "createDate": "2020-11-18 19:02",
    "createdBy": "adm.mobile1",
    "description": "ZGIBA - UPDATE",
    "aisle": "aisle",
    "shelf": "shelf",
    "bin": "bin",
    "locTypeId": 458,

```

```

    "areaid": 5600,
    "modifiedBy": "adm.mobile1",
    "modifiedDate": "2020-11-18 19:06",
    "notes": "notes",
    "onlyGPSUpdate": true,
    "latitude": "88.123",
    "longitude": "99.123",
    "musteringPoint": true,
    "responsible": "responsible",
    "capacity": 30
  },
  "errorCode": "",
  "errorConsole": ""
}

```

15.5 Delete a single Zones locations data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationzone/delete/{id}

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id} : Zone ID

Parameter: No parameter

Service Response:

```

{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}

```

16 Personnel Profiles and Face Recognition data

16.1 Method Create or Edit a Profile with Photos

API Application: Interface to create or Edit profiles, add photos, add Badges ID, Access group and Profile fields as below:

URL: https://www.smartxhub.cloud/api/{your_key_here}/item/face/create

Method: Post

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameters:

```

[
  {

```

```

"code": "4444777",
"name": "Maria",
"gender": "F",
"snapPhoto1": "", (Add you Pictures using Base-64 format)
"snapPhoto2": "",
"snapPhoto3": "",
"categoryCode": "ALM", (The code must exist in the Smartx Hub Master data)
"departmentCode": "01", (The code must exist in the Smartx Hub Master data)
"groupCode": "01", (The code must exist in the Smartx Hub Master data)
"costCenterCode": "01", (The code must exist in the Smartx Hub Master data)
"statusCode": "FEV", (The code must exist in the Smartx Hub Master data)
"conditionCode": "ACT", (The code must exist in the Smartx Hub Master data)
"custodyOwnerCode": "", (The code must exist in the Smartx Hub Master data)
"custodyAssignedCode": "", (The code must exist in the Smartx Hub Master data)
"zoneLocationCode": "01", (The code must exist in the Smartx Hub Master data)
"barcodeCode": "", (Repeat the same rfidcode)
"rfidCode": "12345678",
"expireDate": "YYYY-MM-DD HH:MM:SS" This is the expired date of the Person (2020-10-05 00:00:00). The system only recognize the date, not the time.

"accessGroup": [ (The code must exist in the Smartx Hub Master data, more than one Access grupo can be added. So the personnel can be synchronize with multiple kiosks)
  "A1", "01"
]
}
]

```

Success Server Response:

```

{
  "data": [
    {
      "internalId": 666682, (Return the unique ID of the Profile in the Smartx HUB end)
      "item": "4444777", (Return the Item Code of the Profile processed the Smartx HUB end)
      "success": true
    }
  ],
  "success": true
}

```

Error Server Response:

```

{
  "success": false,
  "errorConsole": "ACCESS CONTROL CODE NOT FOUND cannot be empty!"
}
{
  "success": false,
  "errorConsole": "message erro here!"
}

```

16.2 Method Create or Edit a Profile with Photos

API Application: Retrieve access records events data, including Visitors snapshots:

URL: https://www.smartxhub.cloud/api/{your_key_here}/item/face/create

Method: Post

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameters:

```
{
  "initialDate": "2020-12-11 00:00:00",
  "finalDate": "2021-12-14 00:00:00",
  "listVisitor": true/False
}
```

"listVisitor" is true to include non-registered persons.

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "departmentName": "",
      "inOutMode": 0,
      "locationName": "",
      "passTime": "2020-12-14 16:08:56",
      "itemCode": "",
      "departmentCode": "",
      "document": "0000093397240B1 C1 A2   XXXXX   ....   ",
      "categoryCode": "",
      "recognitionPhoto": PHOTO Base64,
      "deviceNumber": "0020200828002",
      "deviceName": "0020200828002",
      "categoryName": "",
      "groupName": "",
      "temperature": "36.5",
      "rfidNumber": "",
      "company": 324,
      "id": 2451191,
      "temperatureResult": 1,
      "locationCode": "",
      "visitor": true,
      "groupCode": ""
    },...
  ]
}
```

17 Assets (Items) Management

Data Fields

Name	Type	Description	Mandatory
code	String(30)	Item Code	Y
name	String(100)	Item Name	Y
active	Boolean	Item Activation (True / False)	Y
latitude	String(30)	Item Latitude	N
longitude	String(30)	Item Longitude	N
property	String(100)	Item Property	N
serial	String(100)	Serial Number	N
brand	String(300)	Item Brand	N
model	String(50)	Item Model	N
purFrom	String(300)	Purchased From	N
warCode	String(300)	Warranty Contract Number	N
warStartDate	date	Warranty Contract Start Date	N
warEndDate	date	Warranty Contract End Date	N
warContact	String(300)	Warranty Contract Contact	N
warMainStartDate	date	Maintenance Contract Start Date	N
warMainEndDate	date	Maintenance Contract End Date	N
insuCode	String(300)	Item Insurance Contract Number	N
insuCia	String(300)	Item Insurance Company Contracted	N
insuStartDate	date	Item Insurance Contract Start Date	N
insuEndDate	date	Item Insurance Contract End Date	N
insuCost	Decimal(10,2)	Item Insurance Cost	N
insuCostCur	String(10)	Item Insurance Currency	N
objConditionId	Integer(20)	Condition Id	Y
objCustodyAssigId	Integer(20)	Assigned Custody Id	N
objCustodyOwnerId	Integer(20)	Owner Custody Id	N
objDispositionId	Integer(20)	Status Id	Y
objCategoryId	Integer(20)	Category Id	Y
objDepartmentId	Integer(20)	Department Id	N
objGroupId	Integer(20)	Group Id	N
zoneCurrentId	Integer(11)	Current Zone Id	Y
zoneHomeId	Integer(11)	Home Zone Id	Y
objTypeId	Integer(20)	Item Type Id	Y
objCostCenterId	Integer(20)	Cost Center Id	N
nextService	date	Date of next service	N
flexibleFieldValue1	String(50)	Flexi Field 1	N
flexibleFieldValue2	String(50)	Flexi Field 2	N
flexibleFieldValue3	String(50)	Flexi Field 3	N
flexibleFieldValue4	String(50)	Flexi Field 4	N
flexibleFieldValue5	String(50)	Flexi Field 5	N
flexibleFieldValue6	String(50)	Flexi Field 6	N
flexibleFieldValue7	String(50)	Flexi Field 7	N
flexibleFieldValue8	String(50)	Flexi Field 8	N
flexibleFieldValue9	String(50)	Flexi Field 9	N

flexibleFieldValue10	String(50)	Flexi Field 10	N
flexibleFieldValue11	String(50)	Flexi Field 11	N
flexibleFieldValue12	String(50)	Flexi Field 12	N
flexibleFieldValue13	String(50)	Flexi Field 13	N
flexibleFieldValue14	String(50)	Flexi Field 14	N
flexibleFieldValue15	String(50)	Flexi Field 15	N
flexibleFieldValue16	String(50)	Flexi Field 16	N
flexibleFieldValue17	String(50)	Flexi Field 17	N
flexibleFieldValue18	String(50)	Flexi Field 18	N
flexibleFieldValue19	String(50)	Flexi Field 19	N
flexibleFieldValue20	String(50)	Flexi Field 20	N
lot	String(45)	Item Lot	N
expirationDate	datetime	Item expiration date	N
criticalityIndex	String(50)	Item Criticality Index	N
classification	String(50)	Item Classification	N
technicalLocation	String(100)	Item Technical Location	N
sapItemDocument	String(50)	Item Document (ERP Integration Data)	N
sapMaterialNumber	String(50)	Material Number (ERP Integration Data)	N
sapMaterialDescription	String(200)	Material Description (ERP Integration Data)	N
sapAmount	Double	Item Amount (ERP Integration Data)	N
sapLot	String(50)	Item Lot (ERP Integration Data)	N
sapEanCode	String(50)	EAN Code (ERP Integration Data)	N
objTags	List	List of Tags (EPC=24 Character) and Label 25(character)	N
purProjectId	String(50)	purProjectId	N
purWbsNumber	String(50)	purWbsNumber	N
purPoLineNumber	String(50)	purPoLineNumber	N
purCountryOrigin	String(50)	purCountryOrigin	N
drawingId	String(50)	drawingId	N
drawingNumber	String(50)	drawingNumber	N
drawingLine	String(50)	drawingLine	N

"objTags": [{ "epc": "XXXXXXXXXXXXXXXXXXXX", "label": "YYYYYYYYYYYYYYYYYY" }, { "epc": "XXXXXXXXXXXXXXXXXXXX", "label": "YYYYYYYYYYYYYYYYYY" }, { "epc": "XXXXXXXXXXXXXXXXXXXX", "label": "YYYYYYYYYYYYYYYYYY" }]

Response Fields

Name	Description
sucess	Response status
msg	Response message
errorCode	Response Error Code
errorConsole	Error Report
count	Total registers returned
named	['Item Code ']' + Item Name
createDate	Date of Creation

createdBy	User who created the Item register
modifyDate	Modification date
modifiedBy	User who modified the Item register
lastSeen	Date and time of last seen item location
notes	Item Notes
searched	Item searched
depEnabled	Depreciation mode is enabled or not
depMonths	Depreciation duration in months
depCost	Depreciation cost value
depSelvage	Depreciation salvage value
depStop	Date to stop the depreciation calculation
marker	Item Marqued
recent	Item registered recently
alarmed	Item alarmed
alarmedBy	User who alarmed the item
hasTags	Item has tag?
hasBles	Item has ble beacon?
hasNotImage	Item has no image?
HasAlert	Item has alert?
HasWaning	Item has warning?
path_home	Home Site '['Code']' Name / Nome Area '['Code']' Name / Home Zone '['Code']' Name / Item '['Code']' Name
path_current	Current Site '['Code']' Name / Current Area '['Code']' Name / Current Zone '['Code']' Name / Item '['Code']' Name

17.1 List Asset sort by Last Seen field

You can use page to break the data.

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/item/list/{pagina}/{limite}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{pagina}: Pages of Data

{limite}: data per page

The first Page starts with 0 (not 1).

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 630003,
      "notes": "",
      "active": true,
      "searched": false,
      "createDate": "2020-10-20 21:38",
```



```

"createdBy": "master.xusa",
"name": "SENSOR TEMPERATURE WITH PROBE 2",
"latitude": "",
"longitude": "",
"modifiedBy": "master.xusa",
"modifiedDate": "2020-10-20 21:46",
"lastSeen": "2020-11-16 15:30",
"code": "AC233FA178D4B",
"property": "",
"serial": "AC:23:3F:A1:78:D4",
"brand": "",
"model": "TESTE",
"purDate": "2019-11-30",
"purFrom": "Acme 2",
"purCost": 1985.0,
"purCostCur": "USD",
"purReplace": 221.0,
"purReplaceCur": "USD",
"purOrder": "KSR",
  "depEnabled": false,
  "depMonths": 0,
  "depCost": 0,
  "depSelvage": 0,
  "depStop": false,
  "warCode": "",
  "warContact": "",
  "insuCode": "",
  "insuCia": "",
  "insuCost": 0.0,
  "insuCostCur": "USD",
  "objConditionId": 23,
  "objCustodyAssigId": 8790,
  "objDispositionId": 1,
  "objCategoryId": 358,
  "objDepartmentId": 292,
  "objGroupId": 19,
  "zoneCurrentId": 33115,
  "zoneHomeId": 5697,
  "objTypeId": 10,
  "objCostCenterId": 327,
  "marker": "",
  "recent": false,
  "elements": [],
  "flexibleFieldValue1": "",
  "flexibleFieldValue2": "",
  "flexibleFieldValue3": "",
  "flexibleFieldValue4": "",
  "flexibleFieldValue5": "",
  "flexibleFieldValue6": "",
  "flexibleFieldValue7": "",
  "flexibleFieldValue8": "",
  "flexibleFieldValue9": "",
  "flexibleFieldValue10": "",
  "lot": "",
  "criticalityIndex": "",

```

```

"classification": "",
"technicalLocation": "",
"auditAudited": false,
"sapItemDocument": "",
"sapMaterialNumber": "",
"sapMaterialDescription": "",
"sapLot": "",
"sapEanCode": "",
  "purProjectId": "",
  "purWbsNumber": "",
  "purPoLineNumber": "",
  "purCountryOrigin": "",
  "drawingId": "",
  "drawingNumber": "",
  "drawingLine": "",
"alarmed": false,
"alarmedBy": "",
"hasTags": false,
"hasBles": false,
"hasNotImage": false,
"hasAlert": false,
"hasWaning": false,
"pathHome": "[1002] FACTORY PLANT ACME / [10002-
B01] PRODUCTION PLANT 10191- A / [P015] ZONE 1- PRODUCTION / [AC233FA178D4B] SENSOR TEMPERATURE WIT
H PROBE 2",
"pathCurrent": "[1001F] ORLANDO CONVENTION CENTER / [ZC244] CONVENTION CENTER / [P015] ZONE 1- P
RODUCTION / [AC233FA178D4B] SENSOR TEMPERATURE WITH PROBE 2",
"named": "[AC233FA178D4B] SENSOR TEMPERATURE WITH PROBE 2"
}
],
"errorCode": "",
"errorConsole": ""
}

```

17.2 List Asset based on selected criteria

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/item/search/{tipo}/{valor}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{Tipos}:

- ID: Asset ID
- CODE: Asset Code
- SERIAL: Asset Serial Number
- NAME: Asset Name
- HOMELOC: Zone ID for Home location
- CURRLOC: Zone Id for Current Location
- CATEGORY: Category ID
- DISPOSITION: Status ID
- GROUP: Group ID
- COSTCENTER: Cost Center ID
- CUSTOWNER: Custody ID owner

- CUSTASSIG: Custody ID assigned
- CONDITION: Condition ID

{Valor}: Value to be used on the search

Service Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 630003,
      "notes": "",
      "active": true,
      "searched": false,
      "createDate": "2020-10-20 21:38",
      "createdBy": "master.xusa",
      "name": "SENSOR TEMPERATURE WITH PROBE 2",
      "latitude": "",
      "longitude": "",
      "modifiedBy": "master.xusa",
      "modifiedDate": "2020-10-20 21:46",
      "lastSeen": "2020-11-16 15:30",
      "code": "AC233FA178D4B",
      "property": "",
      "serial": "AC:23:3F:A1:78:D4",
      "brand": "",
      "model": "TESTE",
      "purDate": "2019-11-30",
      "purFrom": "Acme 2",
      "purCost": 1985.0,
      "purCostCur": "USD",
      "purReplace": 221.0,
      "purReplaceCur": "USD",
      "purOrder": "KSR",
      "depEnabled": false,
      "depMonths": 0,
      "depCost": 0,
      "depSelvage": 0,
      "depStop": false,
      "warCode": "",
      "warContact": "",
      "insuCode": "",
      "insuCia": "",
      "insuCost": 0.0,
      "insuCostCur": "USD",
      "objConditionId": 23,
      "objCustodyAssigId": 8790,
      "objDispositionId": 1,
      "objCategoryId": 358,
      "objDepartmentId": 292,
      "objGroupId": 19,
      "zoneCurrentId": 33115,
      "zoneHomeId": 5697,
      "objTypeId": 10,
    }
  ]
}
```

```

"objCostCenterId": 327,
"marker": "",
"recent": false,
"elements": [],
"flexibleFieldValue1": "",
"flexibleFieldValue2": "",
"flexibleFieldValue3": "",
"flexibleFieldValue4": "",
"flexibleFieldValue5": "",
"flexibleFieldValue6": "",
"flexibleFieldValue7": "",
"flexibleFieldValue8": "",
"flexibleFieldValue9": "",
"flexibleFieldValue10": "",
"lot": "",
"criticalityIndex": "",
"classification": "",
"technicalLocation": "",
"auditAudited": false,
"sapItemDocument": "",
"sapMaterialNumber": "",
"sapMaterialDescription": "",
"sapLot": "",
"sapEanCode": "",
  "purProjectId": "",
  "purWbsNumber": "",
  "purPoLineNumber": "",
  "purCountryOrigin": "",
  "drawingId": "",
  "drawingNumber": "",
  "drawingLine": "",
"alarmed": false,
"alarmedBy": "",
"hasTags": false,
"hasBles": false,
"hasNotImage": false,
"hasAlert": false,
"hasWaning": false,
"pathHome": "[1002] FACTORY PLANT ACME / [10002-
B01] PRODUCTION PLANT 10191- A / [P015] ZONE 1- PRODUCTION / [AC233FA178D4B] SENSOR TEMPERATURE WIT
H PROBE 2",
  "pathCurrent": "[1001F] ORLANDO CONVENTION CENTER / [ZC244] CONVENTION CENTER / [P015] ZONE 1- P
RODUCTION / [AC233FA178D4B] SENSOR TEMPERATURE WITH PROBE 2",
  "named": "[AC233FA178D4B] SENSOR TEMPERATURE WITH PROBE 2"
}
],
"errorCode": "",
"errorConsole": ""
}

```

17.3 Add a Multiple new Asset data

URL: <https://smartxhub.cloud/api/{YOUR KEY HERE}/item/create>

Method: PUT**Path Parameter:**

{YOUR_KEY_HERE}: Company web key

Parameter: Asset List (more than 1)

```
[
  {
    "active": true,
    "name": "GIBA TEST",
    "latitude": "99.111",
    "longitude": "99.222",
    "code": "990000002",
    "property": "AUXID",
    "serial": "990000002",
    "brand": "BRAND",
    "model": "MODEL",
    "purDate": "2019-11-30",
    "purFrom": "Acme 2",
    "purCost": 1985.0,
    "purCostCur": "USD",
    "purReplace": 221.0,
    "purReplaceCur": "USD",
    "purOrder": "KSR",
    "warCode": "WARNUM",
    "warStartDate": "2020-11-20",
    "warEndDate": "2020-11-20",
    "warContact": "CONTRAC WITH",
    "warMainStartDate": "2020-11-20",
    "warMainEndDate": "2020-11-20",
    "insuCode": "POLICE NUM",
    "insuCia": "INS CONTRAC",
    "insuStartDate": "2020-11-20",
    "insuEndDate": "2020-11-20",
    "insuCost": 50.0,
    "insuCostCur": "USD",
    "objConditionId": 21,
    "objCustodyAssigId": 8790,
    "objCustodyOwnerId": 8790,
    "objDispositionId": 1,
    "objCategoryId": 842,
    "objDepartmentId": 3683,
    "objGroupId": 25,
    "zoneCurrentId": 32976,
    "zoneHomeId": 32976,
    "objTypeId": 3,
    "objCostCenterId": 5588,
    "nextService": "2020-11-04",
    "flexibleFieldValue1": "FLEX 1",
    "flexibleFieldValue2": "FLEX 2",
    "flexibleFieldValue3": "FLEX 3",
    "flexibleFieldValue4": "FLEX 4",
    "flexibleFieldValue5": "FLEX 5",
    "flexibleFieldValue6": "FLEX 6",
    "flexibleFieldValue7": "FLEX 7",
```

```

    "flexibleFieldValue8": "FLEX 8",
    "flexibleFieldValue9": "FLEX 9",
    "flexibleFieldValue10": "FLEX 10",
    "flexibleFieldValue11": "FLEX 11",
    "flexibleFieldValue12": "FLEX 12",
    "flexibleFieldValue13": "FLEX 13",
    "flexibleFieldValue14": "FLEX 14",
    "flexibleFieldValue15": "FLEX 15",
    "flexibleFieldValue16": "FLEX 16",
    "flexibleFieldValue17": "FLEX 17",
    "flexibleFieldValue18": "FLEX 18",
    "flexibleFieldValue19": "FLEX 19",
    "flexibleFieldValue20": "FLEX 20",
    "lot": "LOT",
    "expirationDate": "2020-11-09 02:00",
    "criticalityIndex": "CRITICAL",
    "classification": "CLASS",
    "technicalLocation": "TECH LOC",
    "sapItemDocument": "ITEM DOC",
    "sapMaterialNumber": "MAT NUM",
    "sapMaterialDescription": "MAT DESC ",
    "sapAmount": 12.0,
    "sapLot": "MAT LOT",
    "purProjectId": "",
    "purWbsNumber": "",
    "purPoLineNumber": "",
    "purCountryOrigin": "",
    "drawingId": "",
    "drawingNumber": "",
    "drawingLine": "",

    "sapEanCode": "EAN CODE",
    "objTags": [
      {
        "epc": "XXXXXXXXXXXXXXXXXXXXXXX",
        "label": "YYYYYYYYYYYYYYYYYYY"
      },
      {
        "epc": "XXXXXXXXXXXXXXXXXXXXXXX",
        "label": "YYYYYYYYYYYYYYYYYYY"
      },
      {
        "epc": "XXXXXXXXXXXXXXXXXXXXXXX",
        "label": "YYYYYYYYYYYYYYYYYYY"
      }
    ]
  }
]

```

Service Response: O campo “**data**” contem a lista de Ids dos itens que foram inseridos com sucesso na base de dados e podera ser pesquisado posteriormente utilizando o metodo para pesquisar itens.

```
{
  "success": true,
  "msg": "Created successfully!",
  "data": [
    693615
  ],
  "errorCode": "",
  "errorConsole": ""
}
```

17.4 Update a single Asset data

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/item/update/{id}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{id}: Id of the asset to update

Note 1: Only parameters with data will be replace for new value.

Note 2: Only mandatory fields must be included a Parameter.

Parameter:

```
{
  "code": "9900000003",
  "name": "GIBA TEST ASDASDSADSADSA",
  "active": true,
  "latitude": "99.111",
  "longitude": "99.222",
  "property": "AUXID",
  "serial": "9900000003",
  "brand": "BRAND sdasads",
  "model": "MODEL aaaa",
  "purFrom": "Acme",
  "pur_date": "2020-11-20",
  "pur_cost": 50.0,
  "pur_cost_cur": "USD",
  "pur_replace": 40.0,
  "pur_replace_cur": "USD",
  "warCode": "WARNUM",
  "warStartDate": "2020-11-20",
  "warEndDate": "2020-11-20",
  "warContact": "CONTRAC WITH",
  "warMainStartDate": "2020-11-20",
  "warMainEndDate": "2020-11-20",
  "insuCode": "POLICE NUM",
  "insuCia": "INS CONTRAC",
  "insuStartDate": "2020-11-20",
  "insuEndDate": "2020-11-20",
  "insuCost": 50.0,
  "insuCostCur": "USD",
  "objConditionId": 21,
  "objCustodyAssigId": 8790,
}
```

```

"objCustodyOwnerId": 8790,
"objDispositionId": 1,
"objCategoryId": 842,
"objDepartmentId": 3683,
"objGroupId": 25,
"zoneCurrentId": 32976,
"zoneHomeId": 32976,
"objTypeId": 3,
"objCostCenterId": 5588,
"nextService": "2020-11-04",
"flexibleFieldValue1": "FLEX 1",
"flexibleFieldValue2": "FLEX 2",
"flexibleFieldValue3": "FLEX 3",
"flexibleFieldValue4": "FLEX 4",
"flexibleFieldValue5": "FLEX 5",
"flexibleFieldValue6": "FLEX 6",
"flexibleFieldValue7": "FLEX 7",
"flexibleFieldValue8": "FLEX 8",
"flexibleFieldValue9": "FLEX 9",
"flexibleFieldValue10": "FLEX 10",
"flexibleFieldValue11": "FLEX 11",
"flexibleFieldValue12": "FLEX 12",
"flexibleFieldValue13": "FLEX 13",
"flexibleFieldValue14": "FLEX 14",
"flexibleFieldValue15": "FLEX 15",
"flexibleFieldValue16": "FLEX 16",
"flexibleFieldValue17": "FLEX 17",
"flexibleFieldValue18": "FLEX 18",
"flexibleFieldValue19": "FLEX 19",
"flexibleFieldValue20": "FLEX 20",
"lot": "LOT",
"expirationDate": "2020-11-09 02:00",
"criticalityIndex": "CRITICAL",
"classification": "CLASS",
"technicalLocation": "TECH LOC",
"sapItemDocument": "ITEM DOC",
"sapMaterialNumber": "MAT NUM",
"sapMaterialDescription": "MAT DESC ",
"sapAmount": 12.0,
"sapLot": "MAT LOT",
"sapEanCode": "EAN CODE",
    "purProjectId": "",
    "purWbsNumber": "",
    "purPoLineNumber": "",
    "purCountryOrigin": "",
    "drawingId": "",
    "drawingNumber": "",
    "drawingLine": ""
}

```

Service Response:

```
{
```



```

"success": true,
"msg": "Updated successfully!",
"data": {
  "id": 693615,
  "active": true,
  "createDate": "2020-11-20 17:09",
  "createdBy": "adm.mobile1",
  "name": "GIBA TEST ASDASDSADSADSA",
  "latitude": "99.11100000000000",
  "longitude": "99.22200000000000",
  "lastSeen": "2020-11-20 17:09",
  "lastSeenBy": "adm.mobile1",
  "code": "990000003",
  "property": "AUXID",
  "serial": "990000003",
  "brand": "BRAND sdasads",
  "model": "MODEL aaaa",
  "purFrom": "Acme",
  "pur_date": "2020-11-20",
  "pur_cost": 50.0,
  "pur_cost_cur": "USD",
  "pur_replace": 40.0,
  "pur_replace_cur": "USD",
  "warCode": "WARNUM",
  "warStartDate": "2020-11-20",
  "warEndDate": "2020-11-20",
  "warContact": "CONTRAC WITH",
  "warMainStartDate": "2020-11-20",
  "warMainEndDate": "2020-11-20",
  "insuCode": "POLICE NUM",
  "insuCia": "INS CONTRAC",
  "insuStartDate": "2020-11-20",
  "insuEndDate": "2020-11-20",
  "insuCost": 50.0,
  "insuCostCur": "USD",
  "objConditionId": 21,
  "objCustodyAssigId": 8790,
  "objCustodyOwnerId": 8790,
  "objDispositionId": 12,
  "objCategoryId": 842,
  "objDepartmentId": 3683,
  "objGroupId": 25,
  "zoneCurrentId": 32976,
  "zoneHomeId": 32976,
  "objType": 3,
  "objCostCenterId": 5588,
  "nextService": "2020-11-04",
  "flexibleFieldValue1": "FLEX 1",
  "flexibleFieldValue2": "FLEX 2",
  "flexibleFieldValue3": "FLEX 3",
  "flexibleFieldValue4": "FLEX 4",
  "flexibleFieldValue5": "FLEX 5",
  "flexibleFieldValue6": "FLEX 6",
  "flexibleFieldValue7": "FLEX 7",

```

```

    "flexibleFieldValue8": "FLEX 8",
    "flexibleFieldValue9": "FLEX 9",
    "flexibleFieldValue10": "FLEX 10",
    "flexibleFieldValue11": "FLEX 11",
    "flexibleFieldValue12": "FLEX 12",
    "flexibleFieldValue13": "FLEX 13",
    "flexibleFieldValue14": "FLEX 14",
    "flexibleFieldValue15": "FLEX 15",
    "flexibleFieldValue16": "FLEX 16",
    "flexibleFieldValue17": "FLEX 17",
    "flexibleFieldValue18": "FLEX 18",
    "flexibleFieldValue19": "FLEX 19",
    "flexibleFieldValue20": "FLEX 20",
    "lot": "LOT",
    "expirationDate": "2020-11-09 04:00",
    "criticalityIndex": "CRITICAL",
    "classification": "CLASS",
    "technicalLocation": "TECH LOC",
    "auditAudited": false,
    "sapItemDocument": "ITEM DOC",
    "sapMaterialNumber": "MAT NUM",
    "sapMaterialDescription": "MAT DESC ",
    "sapAmount": 12.0,
    "sapLot": "MAT LOT",
    "sapEanCode": "EAN CODE",
    "purProjectId": "",
    "purWbsNumber": "",
    "purPoLineNumber": "",
    "purCountryOrigin": "",
    "drawingId": "",
    "drawingNumber": "",
    "drawingLine": "",

    "alarmed": false,
    "named": "[990000003] GIBA TEST ASDASDSADSADSA"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

17.5 Delete (Logical exclusion) of one Asset (item)

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/item/delete/{id}

Method: DELETE

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Asset ID

Parameter: No parameter

Service Response:

```

{
  "success": true,

```

```
"msg": "Removed successfully!",
"errorCode": "",
"errorConsole": ""
}
```

17.6 Retrieve multiple Assets (items) detail - By Date Interval

URL: [https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/item/dateInterval /{pagina}/{limite}](https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/item/dateInterval/{pagina}/{limite})

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{pagina}: Pages of Data

{limite}: data per page

The first Page starts with 0 (not 1).

{ dtStart }: Pages of Data

{ dtEnd }: data per page

Sample URL:

https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/item/dateInterval?page=0&count=1&definition=true&dtStart=2020-01-01 00:00:01&dtEnd=2020-02-10 23:59:59

Parameter: No Parameter

Name	Type	Format
dtStart	DateTime	yyyy-MM-dd HH:mm:ss (2020-01-01 00:00:01)
dtEnd	DateTime	yyyy-MM-dd HH:mm:ss (2020-02-10 23:59:59)

Optional Parameters

Name	Type	Description
page	Long	Page number of records
count	Long	Number of records to return
definition	Boolean (true/false)	Full or simplified description in the presentation of the items

Server Response:

```
{
  "success": true,
```

```

"msg": "",
"data": {
  "id": 129203,
  "notes": "INSPIRON 3263 ALL-IN-ONE COMPUTER",
  "active": true,
  "createDate": "2018-01-09 21:36",
  "createdBy": "adm.mobile1",
  "name": "TOUCH SCREEN DESKTOP COMPUTER",
  "longitude": "-81.408107400000000",
  "modifiedBy": "carlos",
  "modifiedDate": "2020-01-10 23:08",
  "lastSeen": "2020-01-10 23:08",
  "code": "0103568918",
  "property": "1010918",
  "serial": "8190101",
  "brand": "DELL",
  "model": "DELL 2020",
  "objConditionId": 21,
  "objCustodyAssigId": 6538,
  "objCustodyOwnerId": 6538,
  "objDispositionId": 1,
  "objCategoryId": 840,
  "objDepartmentId": 292,
  "objGroupId": 22,
  "zoneCurrentId": 53,
  "zoneHomeId": 53,
  "objTypeId": 3,
  "objCostCenterId": 22,
  "alarmed": false,
  "pathHome": "[1000A] UCF - UNIVERSITY CENTRAL FLORIDA / [1000A-10] BUSINESS CENTER / [UCF101-
T] TRAINING ROOM / [0103568918] TOUCH SCREEN DESKTOP COMPUTER",
  "named": "[0103568918] TOUCH SCREEN DESKTOP COMPUTER"
},
"errorCode": "",
"errorConsole": "",
"count": 1
}

```

17.7 Retrieve Item information - using Code

URL: https://www.smartxhub.cloud/api/<{YOUR_KEY_HERE}>/item/code/{ITEM_CODE}

Method: GET

Path Parameter

{ITEM_CODE}: Asset Code defined by user

Optional Parameter

Name	Type	Description
definition	Boolean (true/false)	Full or simplified description in the

Sample URL:

<https://www.smartxhub.cloud/api/0F22F29B-F6FA-49FA-9DCF-3B977AE42F35/item/dateInterval?page=0&count=1&definition=true&dtStart=2020-01-01 00:00:01&dtEnd=2020-02-10 23:59:59>

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": {
    "id": 129203,
    "notes": "INSPIRON 3263 ALL-IN-ONE COMPUTER",
    "active": true,
    "searched": false,
    "createDate": "2018-01-09 21:36",
    "createdBy": "adm.mobile1",
    "name": "TOUCH SCREEN DESKTOP COMPUTER",
    "latitude": "28.291779300000000",
    "longitude": "-81.408107400000000",
    "modifiedBy": "carlos",
    "modifiedDate": "2020-01-10 23:08",
    "lastSeen": "2020-01-10 23:08",
    "code": "0103568918",
    "property": "1010918",
    "serial": "8190101",
    "brand": "DELL",
    "model": "DELL 2020",
    "purDate": "2019-10-07",
    "purFrom": "DELL DISTRIBUTOR ",
    "purCost": 48.0,
    "purCostCur": "USD",
    "purReplace": 221.0,
    "purReplaceCur": "USD",
    "purOrder": "PO2405",
    "depEnabled": false,
    "depMonths": 0,
    "depCost": 0,
    "depSelvage": 0,
    "depStop": false,
    "warCode": "129226",
    "warContact": "840",
    "insuCode": "129203",
    "insuCia": "Yasuda",
    "insuCost": 48.0,
    "insuCostCur": "USD",
    "objConditionId": 21,
    "objCustodyAssigId": 6538,
    "objCustodyOwnerId": 6538,
    "objDispositionId": 1,
  }
}
```

```

"objCategoryId": 840,
"objDepartmentId": 292,
"objGroupId": 22,
"zoneCurrentId": 53,
"zoneHomeId": 53,
"objTypeId": 3,
"objCostCenterId": 22,
"nextService": "2017-08-26",
"objCondition": {
  "id": 21,
  "name": "BROKEN",
  "icon": {
    "icon": "traffic-signal.png",
    "url": "/icons/_reserved/traffic-signal.png"
  },
  "named": "[CON21] BROKEN"
},
"objDisposition": {
  "id": 1,
  "name": "gn.disposition.type.available",
  "icon": {
    "icon": "interface-4.png",
    "url": "/icons/_reserved/interface-4.png"
  },
  "i18n": "*AVAILABLE",
  "named": "[CM1] *AVAILABLE"
},
"objDepartment": {
  "id": 292,
  "name": "IT Department",
  "named": "[3434]IT Department"
},
"objCategory": {
  "id": 840,
  "name": "LAPTOPS AND DESKTOPS",
  "icon": {
    "icon": "computer-1.png",
    "url": "/icons/technology/computer-1.png"
  },
  "named": "[CAT840]LAPTOPS AND DESKTOPS"
},
"objGroup": {
  "id": 22,
  "name": "GENERAL ASSETS",
  "named": "[GRP22]GENERAL ASSETS"
},
"objType": {
  "id": 3,
  "icon": {
    "icon": "price-tag-5.png",
    "url": "/icons/_reserved/price-tag-5.png"
  },
  "i18n": "ITEM"
},

```

```

"objCostCenter": {
  "name": "SERVICE COST CENTER",
  "named": "[CC22]SERVICE COST CENTER"
},
"areaCurrent": {
  "id": 48,
  "code": "1000A-10",
  "description": "BUSINESS CENTER",
  "imageHash": "48AR_n2do8ogv",
  "locationSite": {
    "id": 1,
    "code": "1000A",
    "name": "UCF - UNIVERSITY CENTRAL FLORIDA ",
    "named": "[1000A] UCF - UNIVERSITY CENTRAL FLORIDA "
  },
  "latitude": "28.359146118164062",
  "longitude": "-81.443023681640620",
  "named": "[1000A-10] BUSINESS CENTER"
},
"areaHome": {
  "id": 48,
  "code": "1000A-10",
  "description": "BUSINESS CENTER",
  "imageHash": "48AR_n2do8ogv",
  "locationSite": {
    "id": 1,
    "code": "1000A",
    "name": "UCF - UNIVERSITY CENTRAL FLORIDA ",
    "named": "[1000A] UCF - UNIVERSITY CENTRAL FLORIDA "
  },
  "latitude": "28.359146118164062",
  "longitude": "-81.443023681640620",
  "named": "[1000A-10] BUSINESS CENTER"
},
"zoneCurrent": {
  "id": 53,
  "code": "UCF101-T",
  "definition": "indoor",
  "description": "TRAINING ROOM",
  "imageHash": "53ZN_835tvcf4",
  "latitude": "",
  "longitude": "",
  "musteringPoint": false,
  "responsible": "",
  "named": "[UCF101-T] TRAINING ROOM"
},
"zoneHome": {
  "id": 53,
  "code": "UCF101-T",
  "definition": "indoor",
  "description": "TRAINING ROOM",
  "imageHash": "53ZN_835tvcf4",
  "latitude": "",
  "longitude": ""
}

```

```

    "musteringPoint": false,
    "responsible": "",
    "named": "[UCF101-T] TRAINING ROOM"
  },
  "objCustodyAssig": {
    "id": 6538,
    "name": "SMART COMMUNICATIONS",
    "named": "[C88846645] SMART COMMUNICATIONS"
  },
  "objCustodyOwner": {
    "id": 6538,
    "name": "SMART COMMUNICATIONS",
    "named": "[C88846645] SMART COMMUNICATIONS"
  },
  "marker": "",
  "recent": false,
  "elements": [],
  "objCustomFields": [
    {
      "id": 11801,
      "companyId": 10,
      "itemId": 129203,
      "categoryCustomField": {
        "id": 25,
        "companyId": 10,
        "categoryId": 840,
        "name": "Memory",
        "type": "T",
        "readOnly": false,
        "mandatory": false,
        "defaultValue": "16 MBs",
        "createdBy": "master.xusa",
        "createdOn": "2018-05-18 16:20"
      },
      "value": "16 MBs",
      "createdBy": "carlos",
      "createdOn": "2020-01-10 23:10"
    },
    {
      "id": 11802,
      "companyId": 10,
      "itemId": 129203,
      "categoryCustomField": {
        "id": 29,
        "companyId": 10,
        "categoryId": 840,
        "name": "Processador",
        "type": "T",
        "readOnly": false,
        "mandatory": true,
        "defaultValue": "Pentium 4",
        "createdBy": "master.xusa",
        "createdOn": "2018-07-05 09:50"
      }
    }
  ]
}

```



```

    "value": "Pentium 4",
    "createdBy": "carlos",
    "createdOn": "2020-01-10 23:10"
  }
],
"flexibleFieldValue1": "",
"flexibleFieldValue2": "",
"flexibleFieldValue3": "",
"flexibleFieldValue4": "",
"flexibleFieldValue5": "",
"flexibleFieldValue6": "",
"flexibleFieldValue7": "",
"flexibleFieldValue8": "",
"flexibleFieldValue9": "",
"flexibleFieldValue10": "",
"lot": "",
"criticalityIndex": "",
"classification": "",
"technicalLocation": "",
"auditAudited": false,
"sapItemDocument": "",
"sapMaterialNumber": "",
"sapMaterialDescription": "",
"sapLot": "",
    "purProjectId": "",
    "purWbsNumber": "",
    "purPoLineNumber": "",
    "purCountryOrigin": "",
    "drawingId": "",
    "drawingNumber": "",
    "drawingLine": "",

"alarmed": false,
"hasTags": false,
"hasBles": false,
"hasNotImage": false,
"hasAlert": false,
"hasWaning": false,
"pathHome": "[1000A] UCF - UNIVERSITY CENTRAL FLORIDA / [1000A-10] BUSINESS CENTER / [UCF101-
T] TRAINING ROOM / [0103568918] TOUCH SCREEN DESKTOP COMPUTER",
"pathCurrent": "[1000A] UCF - UNIVERSITY CENTRAL FLORIDA / [1000A-10] BUSINESS CENTER / [UCF101-
T] TRAINING ROOM / [0103568918] TOUCH SCREEN DESKTOP COMPUTER",
"named": "[0103568918] TOUCH SCREEN DESKTOP COMPUTER"
},
"errorCode": "",
"errorConsole": "",
"count": 1
}

```

17.8 Add images to Asset (item)

It is possible to add up to 3 photos per call for each item. Attention: the image format must be in Base 64.

URL: https://smartrxhub.cloud/api/{YOUR_KEY_HERE}/item/addimage/{id}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: Asset ID

Parameter:

```
{
  "image1": "", // Image in Base64 format
  "image2": "", // Image in Base64 format
  "image3": "", // Image in Base64 format
}
```

Service Response:

```
{
  "success": true,
  "msg": "SEARCH BY: ID",
  "data": [
    {
      "id": 693614,
      "imageHash": "693614IT_1sg4kmsl",
      "active": true,
      "createDate": "2020-11-20 17:02",
      "createdBy": "adm.mobile1",
      "name": "GIBA TEST",
      "latitude": "99.11100000000000",
      "longitude": "99.22200000000000",
      "lastSeen": "2020-11-20 17:02",
      "lastSeenBy": "adm.mobile1",
      "code": "990000002",
      "property": "AUXID",
      "serial": "990000002",
      "brand": "BRAND",
      "model": "MODEL",
      "purFrom": "",
      "warCode": "WARNUM",
      "warStartDate": "2020-11-20",
      "warEndDate": "2020-11-20",
    }
  ]
}
```

```

"warContact": "CONTRAC WITH",
"warMainStartDate": "2020-11-20",
"warMainEndDate": "2020-11-20",
"insuCode": "POLICE NUM",
"insuCia": "INS CONTRAC",
"insuStartDate": "2020-11-20",
"insuEndDate": "2020-11-20",
"insuCost": 50.0,
"insuCostCur": "USD",
"objConditionId": 21,
"objCustodyAssigId": 8790,
"objCustodyOwnerId": 8790,
"objDispositionId": 1,
"objCategoryId": 842,
"objGroupId": 25,
"zoneCurrentId": 32976,
"zoneHomeId": 32976,
"objTypeId": 3,
"objCostCenterId": 5588,
"nextService": "2020-11-04",
"flexibleFieldValue1": "FLEX 1",
"flexibleFieldValue2": "FLEX 2",
"flexibleFieldValue3": "FLEX 3",
"flexibleFieldValue4": "FLEX 4",
"flexibleFieldValue5": "FLEX 5",
"flexibleFieldValue6": "FLEX 6",
"flexibleFieldValue7": "FLEX 7",
"flexibleFieldValue8": "FLEX 8",
"flexibleFieldValue9": "FLEX 9",
"flexibleFieldValue10": "FLEX 10",
"lot": "LOT",
"expirationDate": "2020-11-09 04:00",
"criticalityIndex": "CRITICAL",

```

```

    "classification": "CLASS",
    "technicalLocation": "TECH LOC",
    "auditAudited": false,
    "sapItemDocument": "ITEM DOC",
    "sapMaterialNumber": "MAT NUM",
    "sapMaterialDescription": "MAT DESC ",
    "sapAmount": 12.0,
    "sapLot": "MAT LOT",
    "sapEanCode": "EAN CODE",
    "purProjectId": "",
    "purWbsNumber": "",
    "purPoLineNumber": "",
    "purCountryOrigin": "",
    "drawingId": "",
    "drawingNumber": "",
    "drawingLine": "",

    "alarmed": false,
    "pathImage": "/cache/693614IT_1sg4kmsl.jpg",
    "named": "[9900000002] GIBA TEST"
  }
},
"errorCode": "",
"errorConsole": "",
"count": 1
}

```

17.9 Print an Asset (item)

It is possible to request to print one item using this endpoint.

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/print/printItem

Method: PUT

Path Parameter: None

Path Parameter:

```

{
  "itemCode": "SMTX1584037960",
  "printerName": "ABCD"
}

```

Service Response:

```
{
  "success": true,
  "msg": "Printer Item successfully registered",
  "errorCode": "",
  "errorConsole": ""
}
```

17.10 Change the location of an Asset (item)

It is possible to request to change the location of one asset, based on asset Code and Location Code. On top of it, is possible to send the same information to another system, using the API details.

This API logs in the Audit trail and GPS logger. It also update Last Seen and Item's current location.

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/locationItemUpdate

Method: Post

Path Parameter: None

Path Parameter:

```
{
  "code": "P000",
  "zoneCurrentCode": "3333",
  "latitude": "28.359383710646185",
  "longitude": "-81.45725031125524",
  "lastSeen": "2021-03-28 13:35:01",
  "shared": {
    "url": "http://192.168.1.64:8090/ws/594F63E3-0519-40F2-9276-C1FB08CD40F5/locationItemUpdate",
    "port": 8090, "method": 1
  }
}
```

Where:

Method= 0 for Get, 1 for Post

Service Response:

```
{
  "success": true,
  "msg": "SUCCESS",
  "errorCode": "",
  "errorConsole": ""
}
```

18 Labels, RFID Tags and Smart tags

18.1 Retrieve Smart Tags (Beacons) from one site

This endpoint brings all tags to a specific site location. It returns also the zones where the tags is associated.

URL: `https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tagLocationBySite/{site_code}`

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key
{Site_Code}: Smartx HUB Asset Code

Service Response:

```
"success": true,
"msg": "",
"data": [
  {
    "macAddress": "AC:23:3F:A1:6F:41",
    "uuid": "5869C8D0-B1B9-433E-825C-B75AAF1818C1",
    "latitude": "",
    "longitude": "",
    "major": 12345,
    "minor": 4444,
    "location": {
      "id": 39106,
      "code": "3333",
      "description": "WINE"
    }
  },
  {
    "macAddress": "AC:23:3F:A1:78:A0",
    "uuid": "5869C8D0-B1B9-433E-825C-B75AAF1818C1",
    "latitude": "",
    "longitude": "",
    "major": 12345,
    "minor": 3333,
    "location": {
      "id": 39107,
      "code": "4444",
      "description": "BAKERY"
    }
  },
  {
    "macAddress": "AC:23:3F:A1:78:34",
    "uuid": "5869C8D0-B1B9-433E-825C-B75AAF1818C1",
    "latitude": "",
    "longitude": "",
    "major": 12345,
    "minor": 5555,
    "location": {
      "id": 39112,
      "code": "5555",
      "description": "RESTAURANT"
    }
  }
]
```

```

    }
  }
],
"errorCode": "",
"errorConsole": ""

```

18.2 List all Tags from a specific Item (or Asset)

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/item/{code}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{Code}: Smartx HUB Asset Code

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": {
    "smartTags": [
      {
        "id": 2895,
        "macAddress": "AC:23:3F:A0:39:25",
        "latitude": "28.367381100000000",
        "longitude": "-81.457033200000000",
        "major": 0,
        "minor": 0
      }
    ],
    "tags": [
      {
        "id": 301971,
        "label": "R112121",
        "epc": "E28011700000020C2076B9CE",
        "type": "rfid/label",
        "statusId": 1,
        "latitude": "28.291893382379175",
        "longitude": "-81.408066947340570"
      },
      {
        "id": 628796,
        "label": "E0009004",
        "type": "label",
        "statusId": 83,
        "latitude": "37.421998333333335",
        "longitude": "-122.084000000000020"
      }
    ]
  }
}

```

```

    ]
  },
  "errorCode": "",
  "errorConsole": ""
}

```

18.3 List all Tags

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/all

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Service Response:

```

{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 669080,
      "label": "10000025",
      "epc": "000000000000000010000025",
      "type": "rfid/label",
      "lastSeen": "2020-11-06 14:08",
      "statusId": 1,
      "objId": 688612,
      "latitude": "28.367568969726562",
      "longitude": "-81.456874138979250"
    },
    {
      "id": 669079,
      "label": "SN:1128-S1-US-007284,OCT 18,WK41",
      "epc": "SN:1128-S1-US-007284,OCT 18,WK41",
      "type": "rfid/label",
      "lastSeen": "2020-11-06 14:07",
      "statusId": 1,

```



```

        "objId": 688612,
        "latitude": "28.367553710937500",
        "longitude": "-81.456894621820880"
    },
    {
        "id": 658793,
        "label": "A50160189",
        "type": "label",
        "firstSeen": "2020-10-27 19:34",
        "lastSeen": "2020-10-27 19:34",
        "statusId": 1,
        "objId": 1474,
        "latitude": "28.367398800000000",
        "longitude": "-81.457027600000000"
    }
],
"errorCode": "",
"errorConsole": ""
}

```

18.4 Request unique TAG

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/{param}/{identification}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{Param}: epc or label

{identification}: identification of TAG (EPC or Label)

Service Response:

```

{
    "success": true,
    "msg": "",
    "data": {
        "id": 615866,
        "label": "10000260",
        "epc": "000000000000000010000260",
    }
}

```

```

    "type": "rfid/label",
    "lastSeen": "2020-03-04 17:10",
    "statusId": 1,
    "objId": 600446,
    "latitude": "28.291952623689046",
    "longitude": "-81.407353340053490"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

18.5 Create TAG

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameters:

```

{
  "label": "1230987",
  "epcAscii": "A00000103",
  "epc": "99000000000000000000A44",
  "type": "rfid/label",
  "statusId": 1,
  "latitude": "88",
  "longitude": "99"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 672746,
    "label": "1230987",
    "epcAscii": "A00000103",

```

```

    "epc": "99000000000000000000A44",
    "type": "rfid/label",
    "statusId": 1,
    "latitude": "88.00000000000000",
    "longitude": "99.00000000000000"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

18.6 Update TAG

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/update/{id}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: TAG unique ID

Parameters:

```

{
  "label": "1230987A",
  "epcAscii": "A00000103A",
  "epc": "99000000000000000000A44A",
  "type": "rfid/label",
  "statusId": 1,
  "latitude": "10",
  "longitude": "12"
}

```

Service Response:

```

{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 672746,
    "label": "1230987A",

```

```

    "epcAscii": "A00000103A",
    "epc": "99000000000000000000A44A",
    "type": "rfid/label",
    "statusId": 1,
    "latitude": "10.000000000000000",
    "longitude": "12.000000000000000"
  },
  "errorCode": "",
  "errorConsole": ""
}

```

18.7 Delete TAG

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/delete/{id}

Method: DELETE

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{id}: TAG unique ID

Parameters: None

Service Response:

```

{
  "success": true,
  "msg": "Removed successfully!",
  "errorCode": "",
  "errorConsole": ""
}

```

18.8 Associate TAG with Asset

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/associate

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameters:

```

{
  "tagId": 672747,

```

```
"itemId": 693614
}
```

Service Response:

```
{
  "success": true,
  "msg": "Updated successfully!",
  "data": {
    "id": 672747,
    "label": "1230987",
    "epcAscii": "A00000103",
    "epc": "99000000000000000000A44",
    "type": "rfid/label",
    "statusId": 1,
    "objId": 693614,
    "latitude": "88.00000000000000",
    "longitude": "99.00000000000000"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

18.9 Disassociate TAG from Asset

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/tags/disassociate

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameters:

```
{
  "tagId": 672747,
  "itemId": 693614
}
```

Service Response:

```
{
  "success": true,
```

```
"msg": "Updated successfully!",
"data": {
  "id": 672747,
  "label": "1230987",
  "epcAscii": "A00000103",
  "epc": "99000000000000000000A44",
  "type": "rfid/label",
  "statusId": 1,
  "latitude": "88.00000000000000",
  "longitude": "99.00000000000000"
},
"errorCode": "",
"errorConsole": ""
}
```

19 Work-Orders (Jobs)

19.1 Create a single WORK ORDER (Jobs)

URL: https://smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/create

Method: PUT

API Application: interface to create a single Job with or without Work Areas.

Details:

1. It is possible to assign more than one user to do the job. You can use Smartx's login name or users's e-mail in the JSON). All users must be available in the user's list of the system Smartx HUB.
2. GUID is a single code for the client. You have to have it pre-inserted at the Smartx Custody set-up.
3. Work areas as optional. In case it is Null, the system will create one automatic.
4. Job type and Job class must be defined in the correspondent set-up. Code is the unique Key to insert in the Json.
5. In case you send job started with True, the system releases the jobs to users automatic. In case you select false, the system will keep the job on hold and the status will be information received.

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "jobNumber": "999999",
  "jobDescription": "New Job for Blue Team",
  "jobListAssignedEmployeeCode": ["ken", "loginname"],
  "jobRequestDate": "2019-08-22 17:45",
  "jobScheduledDate": "2019-08-22 17:45",
  "jobClientGUID": "213123123",
  "jobTypeCode": "WJT01",
  "jobClassCode": "WOC1",
  "jobNotes": "Take care ....",
  "jobListWorkAreas": [
    {
      "workAreaCode": "001",
      "workAreaName": "Work Area Name"
    }
  ],
  "jobStarted": false
}
```

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": {
    "ID": 9917
  },
  "errorCode": "",
  "errorConsole": ""
}
```

To update the WorkOrder, you must use the **ID** above.

Details:

	Name	Type
1	jobNumber	string (50)
2	jobDescription	string (250) - Optional
3	jobListAssignedEmployeeCode	String(250) LoginName, email
4	jobRequestDate	2019-08-22 17:45
5	jobScheduledDat	2019-08-22 17:45
6	jobClientGUID	string(255), SmartX Client_ID or Client Unique code – Must be as Custody Setup- (GUID Field).
7	jobTypeCode	string(10) – Must be as Job Type Setup (Code Field)
8	jobClassCode	string(10) — Must be as Job Class Setup (Code Field)
9	jobNotes	string(255), Optional
10	jobStarted	True or False

```

jobListWorkAreas
11
"workAreaCode":String(5),
"workAreaName": string (20)
Optional

```

All SmartX REST API calls require a unique key for requests. Before making any requests, please request your unique key.

19.2 Method Update a WORK ORDER

URL: https://smartxhub.com/api/{YOUR_KEY_HERE}/workorder/update

API Application: interface to update a single Job.

Method: PUT

Note: This interface does not update work areas.

Details:

1. It is possible to assign more than one user to do the job. You can use Smartx's login name or users's e-mail in the JSON). All users must be available in the user's list of the system Smartx HUB.
2. GUID is a single code for the client. You have to have it pre-inserted at the Smartx Custody set-up.
3. Job type and Job class must be defined in the correspondent set-up. Code is the unique Key to insert in the Json.
4. In case you send job started with True, the system releases the jobs to users automatic. In case you select false, the system will keep the job on hold and the status will be information received.

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "id": "999999",
  "jobNumber": "999999",
  "jobDescription": "New Job for Blue Team",
  "jobListAssignedEmployeeCode": ["ken", "loginname"],
  "jobRequestDate": "2019-08-22 17:45",
  "jobScheduledDate": "2019-08-22 17:45",
  "jobClientGUID": "121212",
  "jobTypeCode": "WJT01",
  "jobClassCode": "WOC1",
  "jobNotes": "Take care ....",
  "jobStarted": false
}

```


Details:

	Name	Type
1	ID	Number, ID of the job Create
2	jobNumber	string (50)
3	jobDescription	string (250) - Optional
4	jobListAssignedEmployeeCode	String(250) LoginName, email
5	jobRequestDate	2019-08-22 17:45
6	jobScheduledDat	2019-08-22 17:45
7	jobClientGUID	string(255), SmartX Client_ID or Client Unique code – Must be as Custody Setup- (GUID Field).
8	jobTypeCode	string(10) – Must be as Job Type Setup (Code Field)
9	jobClassCode	string(10) — Must be as Job Class Setup (Code Field)
10	jobNotes	string(255), Optional
11	jobStarted	True or False

All SmartX REST API calls require a unique key for requests. Before making any requests, please request your unique key.

19.3 Method Update a WORK ORDER – Employees

URL: https://smartxhub.com/api/{YOUR_KEY_HERE}/workorder/assignEmployee

API Application: interface to update a single Job with new Employee list.

Method: PUT

Details:

- It is possible to assign more than one user to do the job. You can use Smartx's login name or users's e-mail in the JSON). All users must be available in the user's list of the system Smartx HUB.

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameters

```
{
  "id": "999999",
  "jobListAssignedEmployeeCode": ["User_ID2", "USER_ID2"],
}
```

Details:

	Name	Type	Description
1	id	Integer	Job Internal Code (SmartX ID)

2	jobListAssignedEmployeeCode	String(250) User ID list	ID must be numerical
---	-----------------------------	--------------------------	----------------------

All SmartX REST API calls require a unique key for requests. Before making any requests, please request your unique key.

19.4 Jobs List Management

The server response will be the same for all Jobs APIs below:

19.5 List all Jobs related with company according to status

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/listAsset/onHoldInterval

Method: Post

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "startDate": "2022-01-03 00:00:01",
  "endDate": "2022-01-03 20:59:59"
}
```

Status	URL
Info_Received	https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/listAsset/infoReceivedInterval
Closed	https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/listAsset/closedInterval
On Hold	https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/listAsset/onHoldInterval
Scheduled	https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/listAsset/scheduledInterval

Interval must be less than 30 days.

19.6 Retrieve the unique Job detail based on Date-Time - Interval

List of Job, independent of the status in an interval of Dates.

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/list/interval/DateStart/Date_End

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{DateStart/Date_End}: Range of dates. Example: 2022-01-15 00:00:01/2022-01-20 20:59:59

19.7 Retrieve the unique Job detail based on ID

Get unique Job

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/unique/{ID}

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{ID}: JOB ID

19.8 Job based on a range of Dates

URL: <https://www.smartxhub.cloud/api/{key}/workorder/list/interval/{start}/{end}>

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

{Start}: 2020-12-30 10:00:00

{End}: 2020-12-30 10:30:00

Server Response for items above:

```
{
  "success": true,
  "msg": "JOB LIST",
  "data": [
    {
      "id": 7823,
      "companyId": 10,
      "code": "W-13",
      "flowType": "W",
      "flowTypeNamed": "job-work-order",
      "createDate": "2019-09-05 22:21:39 +0000",
    }
  ]
}
```

```

"createdBy": "master.xusa",
"identifier1": "W-1567722075",
"identifier2": "23245",
"requestedDate": "2019-09-05 22:21:00 +0000",
"instructions": "",
"modifiedBy": "master.xusa",
"modifiedDate": "2019-09-08 12:56:44 +0000",
"scheduledDate": "2019-09-12 22:21:00 +0000",
"status": "scheduled",
"subject": "TESTE THAIS 2",
"flowManagerItems": [
  {
    "id": 1237753,
    "flowManagerId": 7823,
    "item": {
      "id": 195629,
      "imageHash": "195629IT_hthmk0i2",
      "active": true,
      "name": "Compressor",
      "lastSeen": "2019-10-11 16:36",
      "code": "SMTX2",
      "property": "",
      "serial": "",
      "areaCurrentId": 3631,
      "areaHomeId": 3623,
      "zoneCurrentId": 27519,
      "zoneHomeId": 27509,
      "objCondition": {
        "id": 23,
        "name": "Working- Active",
        "code": "ACD8",
        "named": "[ACD8] Working- Active"
      },
      "objDisposition": {
        "id": 3,
        "name": "gn.disposition.type.reserved",
        "code": "CM3",
        "named": "[CM3] *RESERVED"
      },
      "objCategory": {
        "id": 17,
        "code": "ELET",
        "name": "ELECTRONICS AND APPLIANCES",
        "named": "[ELET]ELECTRONICS AND APPLIANCES"
      },
      "zoneCurrent": {
        "id": 27519,
        "code": "EX333",
        "description": "CUSTOMER FACILITIES",
        "areald": 3631,
        "locationArea": {
          "id": 3631,
          "code": "EXTERNO",
          "description": "EXTERNO",

```

```

        "siteId": 2109,
        "locationSite": {
            "id": 2109,
            "code": "00000",
            "name": "EXTERNO",
            "named": "[00000]EXTERNO"
        },
        "named": "[EXTERNO] EXTERNO"
    },
    "named": "[EX333] CUSTOMER FACILITIES"
},
"zoneHome": {
    "id": 27509,
    "code": "TR4",
    "description": "TRUCK 4",
    "areald": 3623,
    "locationArea": {
        "id": 3623,
        "code": "TR4",
        "description": "TRUCK 4",
        "siteId": 2107,
        "locationSite": {
            "id": 2107,
            "code": "1011",
            "name": "VEHICLES",
            "named": "[1011]VEHICLES"
        },
        "named": "[TR4] TRUCK 4"
    },
    "named": "[TR4] TRUCK 4"
},
"objTags": [
    {
        "id": 301969,
        "epc": "E200001A351602182230C441",
        "type": "rfid",
        "statusId": 1,
        "objId": 195629,
        "latitude": "28.293407500000000",
        "longitude": "-81.405403400000000"
    }
],
"objBeacons": [
    {
        "id": 2746,
        "macAddress": "AC:23:3F:A1:78:D7",
        "objId": 195629,
        "latitude": "",
        "longitude": "",
        "major": 0,
        "minor": 0
    }
],
"named": "[SMTX2] Compressor"

```

```

    },
    "createdDate": "2019-09-08 12:16",
    "createdBy": "master.xusa",
    "status": "in-use",
    "found": false,
    "flowManagerWorkArea": {
      "id": 98,
      "flowManagerId": 7823,
      "code": "W001",
      "name": "INITIAL WORK AREA"
    }
  },
  "jobClass": {
    "id": 1,
    "code": "WOC1",
    "name": "Work Job Class 001",
    "named": "[WOC1] Work Job Class 001"
  },
  "jobType": {
    "id": 1,
    "code": "WJT01",
    "name": "Work Job Type 001",
    "named": "[WJT01] Work Job Type 001"
  },
  "workOrder": true,
  "workAreas": [
    {
      "id": 98,
      "flowManagerId": 7823,
      "code": "W001",
      "name": "INITIAL WORK AREA"
    }
  ],
  "toCustody": {
    "id": 83,
    "name": "ALVARO GUTIERREZ",
    "code": "C59622832",
    "address": "589 ELECTRONIC STREET",
    "addressAux": "",
    "extra": "",
    "email": "",
    "phone": "2321 12 21312",
    "country": "",
    "companyName": "",
    "named": "[C59622832] ALVARO GUTIERREZ"
  },
  "startService": false,
  "userEmployees": [
    {
      "id": 2368,
      "active": true,
      "userName": "iphone",
      "userDetail": {

```

```

        "fname": "THAIS",
        "lname": "MIX",
        "address1": "",
        "address2": "",
        "contact": "no23@email.com",
        "phone": "",
        "lang": "en",
        "timeZone": "America/Sao_Paulo",
        "createDate": "2019-07-22 11:37",
        "createdBy": "master.xusa",
        "modifiedBy": "master.xusa",
        "modifiedDate": "2019-08-31 14:00"
    },
    "userWebKey": {
        "webKey": "99999999-9999-9999-9999-9999999999"
    },
    "department": {
        "id": 1182,
        "active": true,
        "code": "1213",
        "companyId": 10,
        "description": "",
        "createDate": "2018-05-08 10:20",
        "createdBy": "master.xusa",
        "modifiedBy": "master.xusa",
        "modifiedDate": "2018-05-08 16:17",
        "name": "Financial Depart.",
        "named": "[1213]Financial Depart."
    },
    "fullName": "THAIS MIX"
}
]
}
},
"errorCode": "",
"errorConsole": "",
"count": 1
}

```

19.9 Create a new work area on Job

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/workarea/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter :

```
{
  "flowManagerId": 6946,
  "code": "ABCD",
  "name": "ABCD NAME"
}
```

Field Name	Field Type	Field Size	Required
flowManagerId	Number		Yes
Code	String	30	Yes
Name	String	50	Yes

Server Response:

```
{
  "success": true,
  "msg": "The current Flow has been inserted successfully.",
  "data": {
    "id": 130,
    "companyId": 10,
    "flowManagerId": 6946,
    "code": "ABCD",
    "name": "ABCD NAME"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

19.10 Update Work Area

Update a work area on Job

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/workarea/update

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter :

```
{
  "id": 130,
  "flowManagerId": 6946,
  "code": "NEWCODE",
  "name": "NEW NAME"
}
```

Field Name	Field Type	Field Size	Required
Id	Number		Yes
flowManagerId	Number		Yes
Code	String	30	Yes

name	String	50	Yes
------	--------	----	-----

Server Response:

```
{
  "success": true,
  "msg": "The current Flow has been update successfully.",
  "data": {
    "id": 130,
    "companyId": 10,
    "flowManagerId": 6946,
    "code": "NEWCODE",
    "name": "NEW NAME"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

19.11 Delete Work Area

Delete a work area on Job

URL: https://www.smartxhub.cloud/api/{YOUR_KEY_HERE}/workorder/workarea/delete

Method: DELETE

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter :

```
{
  "id": 130,
  "flowManagerId": 6946
}
```

Field Name	Field Type	Field Size	Required
id	Number		Yes
flowManagerId	Number		Yes

Server Response:

```
{
  "success": true,
  "msg": "",
  "errorCode": "",
  "errorConsole": ""
}
```

Attention: the work area will only be removed if there are no associated items.

19.12 Job Entities

Object: JOB

Field Name	Field Type	Field Size	Comment
id	Number		
companyId	Number		
code	String	50	
flowType	String	1	Fixed
flowTypeNamed	String	20	Fixed
createDate	DateTime		Datetime with TimeZone
createBy	String	50	
identifier1	String	50	
identifier2	String	50	
requestedDate	DateTime		Datetime with TimeZone
instructions	String	200	
modifiedDate	DateTime		
modifiedBy	String	50	Datetime with TimeZone
scheduledDate	DateTime		Datetime with TimeZone
status	String	50	
subject	String	200	
flowManagerItems	List<Object>		List with Job Items
jobClass	Object		Object Class
jobType	Object		Object Type
workOrder	Boolean	True/false	
workAreas	List<Object>		List of Work Areas
toCustody	Object		Object of Custody (Clients)
startService	Boolean	True/false	
userEmployees	List<Object>		List of Employee

List: Flow Manager Items

Field Name	Field Type	Field Size	Comment
Id	Number		
flowManagerId	Number		
Item	Object		Object of real Item
createdDate	DateTime		
createdBy	String	50	
modifiedDate	DateTime		
modifiedBy	String	50	
status	String	50	
Found	Boolean	True/False	
flowManagerWorkArea	Object		Object of Work Area
auditedDate	DateTime		
auditedBy	String	50	

Object: List Of Tags

Field Name	Field Type	Field Size	Comment
Id	Number		

Label	String	50	
EPC	String	50	
Latitude	String	30	
Longitude	String	30	

Object: List Of Beacons

Field Name	Field Type	Field Size	Comment
Id	Number		
MacAddress	String	50	
UUID	String	100	
Major	Number		
Minor	Number		
Latitude	String	30	
Longitude	String	30	
Found	Boolean	True/False	

Object: Job Class

Field Name	Field Type	Field Size	Comment
Id	Number		
Name	String	200	
Code	String	30	
Named	String	500	Fixed (Code + Name)

Object: Job Type

Field Name	Field Type	Field Size	Comment
Id	Number		
Name	String	200	
Code	String	30	
Named	String	500	Fixed (Code + Name)

Object: Flow Manager Work Area

Field Name	Field Type	Field Size	Comment
Id	Number		
FlowManagerId	Number		
Name	String	200	
Code	String	30	
Named	String	500	Fixed (Code + Name)

20 Update Asset GPS and Last Seen data:

URL: https://smartxhub.cloud/ws/<{YOUR_KEY_HERE}>/devices/scan

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "imei": "",
  "antennald": "",
  "macAddress": "",
  "grokkerId": "",

  "beacons": [{
    "id": "",
    "major": "",
    "minor": "",
    "objId": "",
    "count": "",
    "uuid": "",
    "distance": "",
    "found": "",
    "macAddress": "AC:23:3F:A1:78:6E",
    "manufacturer": "Smartx",
    "name": "",
    "rssi": "",
    "serviceUuid": "",
    "txPower": "",
    "typeCode": "",
    "latitude": "1.276272",
    "longitude": "103.794938",
    "firstSeen": "11/03/2020 08:00:13 +0000",
    "readDate": "11/03/2020 08:00:13 +0000",
    "lastSeen": "11/03/2020 08:00:13 +0000"

  }
],
  "tags": [{
    "id": "",
    "objId": "",
    "statusId": "",
    "status": "",
    "type": "",
    "epc": "00000000000000000000000000000024",
    "epcAscii": "",
    "autoEpc": "",
    "tid": "",
    "label": "000000024",
    "deleted": "",
    "count": "",
    "latitude": "1.276272",
    "longitude": "103.794938",
    "firstSeen": "11/03/2020 08:00:13 +0000",
    "readDate": "11/03/2020 08:00:13 +0000",
    "lastSeen": "11/03/2020 08:00:13 +0000"

  }
]
```

```
}
}
}
```

Field Name	Field Type	Field Size	Required	Format
Emei	String	20	No	EMEI of the Device Reader
antennald	Integer		No	Antenna that collected the Tags
macAddress	String	50	No	MAC of the Device Reader
grokkerId	String	50	No	ID of the RFID Reader
Beacons				
ID	String	20	No	Id of the Beacon in Smartx HUB
Major	String	30	No	Ibeacon Major
Minor	String	30	No	Ibeacon Minor
Obj_ID	String	20	No	Obj_ID of Smartx HUB
Count	Integer	10	No	Number of times the object was detected
UUID	String	30	No	Ibeacon - UUID
Distance	String	10	No	Average Distance from the Reader to the Beacon
Found	String	2	No	T,F
Macaddress	String	20	YES	Beacon MAC
Manufacturer	String	30	No	Beacon Manuf.
Name	String	30	No	Beacon Name
rssi	String	20	No	RSSI
Serviceuuid	String	20	No	No in USE
TxPower	String	30	No	Beacon TX Power
Typecode	String	10	No	Beacon Type Code
Latitude	String	20	No	"1.276272"
Longitude	String	20	No	"103.794938"
Lastseen	Date-time		No	"11/03/2020 08:00:13 +0000"
ReadDate	Date-time		No	"11/03/2020 08:00:13 +0000"
Lastseen	Date-time		No	"11/03/2020 08:00:13 +0000"
TAG				
ID	String	20	No	Id of the Beacon in Smartx HUB
Obj_ID	String	20	No	Obj_ID of Smartx HUB
Count	Integer	10	No	Number of times the object was detected
Status ID	Integer	10	No	Status ID of Item in Smartx HUB
Status	String	10	No	Name of the status in Smartx HUB
EPC	String	24	YES	EPC ASC or Hexa format
EPC ASC	String	24	No	EPC in ASC format
AutoEPC	String	24	No	EPC Created by system
TID	String	20	No	TID of the Tag
Lable	String	30	No	Barcode Label
Delete	Boolean		No	To delete Item (0,1)
Type	String	10	No	Type Code
Latitude	String	20	No	"1.276272"
Longitude	String	20	No	"103.794938"
Lastseen	Date-time		No	"11/03/2020 08:00:13 +0000"
ReadDate	Date-time		No	"11/03/2020 08:00:13 +0000"

Lastseen	Date-time	No	"11/03/2020 08:00:13 +0000"
----------	-----------	----	-----------------------------

21 Update Sensors Data (Telemetry)

URL: http://www.smartxhub.io/ws/sendGatewayInformation/{YOUR_KEY_HERE}

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
[
  {
    "timestamp": "2020-11-27T04:55:36",
    "type": "Gateway",
    "mac": "AC233FC01577",
    "bleName": "GW-EF3101000034",
    "gatewayFree": 0,
    "gatewayLoad": 0
  },
  {
    "timestamp": "2020-11-27T04:55:36",
    "type": "iBeaconc",
    "mac": "CC0101000011",
    "bleName": "MiniBeacon_00012",
    "ibeaconUuid": "FDA50693A4E24FB1AFCFC6EB07647825",
    "ibeaconMajor": 10001,
    "ibeaconMinor": 19641,
    "ibeaconTxPower": -58,
    "rssi": -76,
    "battery": 100
  },
  {
    "timestamp": "2020-11-27T04:55:36",
    "type": "S1",
    "mac": "AC233FA178D4",
    "bleName": "S1",
    "rssi": -76,
    "battery": 100,
    "temperature": 21.23,
    "humidity": 43.23
  },
  {
    "timestamp": "2020-11-27T04:55:36",
    "type": "Unknown",
    "mac": "EF3101000034",
    "bleName": "MI",
    "rssi": -76,
    "rawData": "3A4E24FB1AFCFC6EB07647825FDA50693A4E24FB1AFCFC6EB07647825"
  }
]
```

22 Pallet Shipping Confirmation Process

22.1 Single Pallet Creation

URL: https://smartxhub.cloud/api/{Your_key_Here}/cargo/integPalletControl

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "idPallet": "99999990010",
  "idProduto": "AB99999990010",
  "qtdeProduto": 1,
  "epc": "00000000000099999990010",
  "lote": "LT001",
  "tipoSaida": "AB",
  "localOrigem": "FERR01",
  "armazDestino": "FERR01",
  "sinalizacao": "LIB",
  "impressora": "PRT_001",
  "classificacao": "CLASS_AB"
}
```

Field Name	Field Type	Field Size	Comment
idPallet	String	20	Mandatory- Pallet Code
idProduto	String	20	Mandatory, Code of Goods/Product on the Pallet
Qtdeproduto	Number	5	Mandatory- QTDE of the goods on the pallet
Epc	String	24	Mandatory – RFID Code to be encoded at the printer. EPC of the Pallet
Lote	String	20	Optional- Lot number
tipoSaida	String	20	Transaction type
LocalOrigem	String	10	Mandatory- Zone Code of the Origin (Production Plant Zone)
armazDestino	String	10	Mandatory- Zone Code of the Destiny (Ex. Warehouse Zone)

sinalizacao	String	3	Mandatory- Status Code as Smartx master data. LIB means ready to ship
impressora	String	10	Mandatory- Printer name as the same as LinkHUB printer
Classificação	String	10	Option – Material Class

Server Response:

```
{
  "success": true,
  "msg": "Paleta cadastrado com sucesso",
  "data": {
    "idPaleta": "99999990019",
    "idProduto": "AB99999990019",
    "idRTI": 674054
  },
  "errorCode": "",
  "errorConsole": ""
}
```

Field Name	Field Type	Field Size	Comment
idPaleta			Pallet ID CODE
IdProduto			Product Code
idRTI			Smartx' Pallet ID

22.2 Update single Pallet status

URL: https://smartrxhub.cloud/api/{Your_key_Here}/cargo/updatePalletControl

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "idPaleta": "99999990004",
  "sinalizacao": "LIB"
}
```

Field Name	Field Type	Field Size	Comment
------------	------------	------------	---------

idPalete	Number	20	Mandatory – Pallet Code informed by user on the Pallet Creation API
sinalização	String	3	Mandatory “LIB” means it can be shipped

Server Response:

```
{
  "success": true,
  "msg": "Pallet updated successfully",
  "data": {
    "idPalete": "Prod_0053",
    "idRTI": 1431102,
    "statusNamed": "[LIB] LIBERADO",
    "statusCode": "LIB"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

22.3 Adding the Invoice Number to the Shipment

URL: https://smartrxhub.cloud/api/{Your_key_Here}/cargo/updatePalletControlInvoice

Method: POST

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```
{
  "idCargo": "C-1604929420067",
  "idSeal": "233423423423432",
  "invoiceNumber": "INV_000001",
  "invoiceDate": "2020-11-13 11:30:00",
  "invoiceUser": "gilberto"
}
```

Field Name	Field Type	Field Size	Comment
idCargo	String	20	Mandatory- Smartx Shipping ID.
idSeal	String	15	Mandatory, informed by user at the terminal
InvoiceNumber	String	20	Mandatory- It is the ERP Invoice ID
invoiceDate	Date		Optional, It is the ERP Invoice Date
InvoiceUser	String	20	Optional- It is the ERP Invoicer name

Server Response:

```
{
  "success": true,
  "msg": "INVOICE UPDATED SUCCESSFULLY",
  "data": {
    "idCargo": "C-1604929420067",
    "pallets": [
      "99999990002",
      "99999990003",
      "99999990005"
    ],
    "idSeal": "233423423423432"
  },
  "errorCode": "",
  "errorConsole": ""
}
```

22.4 Listing available Pallets

URL: https://smartrxhub.cloud/api/{Your_key_Here}/cargo/listPalletControl

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No Parameter

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 1,
      "companyId": 352,
      "idPallet": "ABC1234567819",
      "idProduct": "AB1234",
      "idObject": 674048,
      "productAmount": 10,
      "palletEPC": "TF0000000000000000E000001",
      "palletLot": "LT001",
      "outputType": "AB",
      "destinationWarehouse": "FERR01",
      "erpShippingStatus": "LIB",
      "createdDate": "2020-10-28 19:22",
      "createdBy": "tecfil.device"
    }
  ],
  "errorCode": "",
  "errorConsole": ""
}
```

22.5 Listing Shipped Pallets

URL: https://smartxhub.cloud/api/{your_key_here}/cargo/listFinishedCargo

Method: GET

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter: No Parameter

Server Response:

```
{
  "success": true,
  "msg": "",
  "data": [
    {
      "id": 58934,
      "identifier": "C-1604502387423",
      "code": "C-1604502387423",
      "identifier2": "000000000001",
      "subject": "CARGO C-1604502387423",
      "finishedNotes": "",
      "finishedZoneName": "DEVICE EXPEDICACAO",
      "statusDescription": "Approved",
      "createdBy": "tecfil.portal",
      "finishedUser": "tecfil.portal",
      "invoice": "NFE01",
      "items": {
        "idObject": 674050,
        "code": "99999990003",
        "name": "99999990003",
        "lot": "LT001",
        "outputType": "TRANF ENTRE UNIDADES",
        "location": "[GRU] PLANTA GUARULHOS",
        "classification": "CLS",
        "technicalLocation": "FERRO1"
      },
      "status": "validated",
    }
  ]
}
```

```

        "createDate": "2020-11-04 17:00",
        "finishedDate": "2020-11-04 15:07"
    }
},
"errorCode": "",
"errorConsole": ""
}

```

23 Shipping based on Sales Order

23.1 Create a new customer

URL: https://smartrxhub.cloud/api/{Your_key_Here}/cargo/custody/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
    "code": "99881",
    "name": "CUSTOMER NAME",
    "codeAux": "CC99881",
    "address": "BALTAZAR LISBOA, 527 AP 64",
    "addressAux": "",
    "extra": "",
    "createdBy": "adm.mobile1",
    "email": "customer.name@customer.com",
    "phone": "1155494958",
    "guid": "",
    "originalHireDate": "2019-05-21 00:00",
    "workerType": "",
    "employeeType": "",
    "managementLevel": "",
    "country": "BRAZIL",
    "location": "",
    "locationLevel1": "",
    "locationLevel2": "",
    "locationLevel3": "",
    "locationLevel4": "",
    "jobCategory": "",
    "coach": "",
    "coachId": "",
    "workerManager": "",
    "managerId": "",
    "companyName": "CUSTOMER NAME",
    "costCenterLevel1": "",
    "costCenterLevel2": "",

```

```

    "costCenterLevel3": "",
    "costCenterName": ""
  }

```

Details:

Field Name	Field Type	Field Size	Required	Format
code	String	30	Yes	
name	String	200	Yes	
address	String	200	Yes	
codeAux	String	30	No	
addressAux	String	200	No	
createdBy	String	50	No	
email	String	200	No	
guid	String	200	No	
phone	String	30	No	
originalHireDate	DateTime	YYYY-MM-DD HH:MM	No	
workerType	String	50	No	
employeeType	String	50	No	
managementLevel	String	50	No	
country	String	50	No	
location	String	100	No	
locationLevel1	String	100	No	
locationLevel2	String	100	No	
locationLevel3	String	100	No	
locationLevel4	String	100	No	
jobCategory	String	50	No	
coach	String	50	No	
coachId	String	50	No	
workerManager	String	50	No	
managerId	String	50	No	
companyName	String	50	No	
costCenterLevel1	String	50	No	
costCenterLevel2	String	50	No	
costCenterLevel3	String	50	No	
costCenterName	String	50	No	

Server Response:

```

{
  "success": true,
  "msg": "Created successfully!",
  "data": {
    "id": 36949,
    "companyId": 10,
    "name": "CLIENT NAME",
    "code": "CN001",
    "codeAux": "",
    "address": "MAIN STREET, 527",
    "addressAux": "",
    "extra": "",
    "createDate": "2019-11-05 21:03",
    "createdBy": "adm.mobile1",

```

```

"modifiedBy": "adm.mobile1",
"modifiedDate": "2019-11-05 21:03",
"email": "customer.name@customer.com",
"phone": "1155494958",
"guid": "",
"originalHireDate": "2019-05-21 04:00",
"workerType": "",
"employeeType": "",
"managementLevel": "",
"country": "BRAZIL",
"location": "",
"locationLevel1": "",
"locationLevel2": "",
"locationLevel3": "",
"locationLevel4": "",
"jobCategory": "",
"coach": "",
"coachId": "",
"workerManager": "",
"managerId": "",
"companyName": "SMARTX",
"costCenterLevel1": "",
"costCenterLevel2": "",
"costCenterLevel3": "",
"costCenterName": "",
"named": "[CN001] CLIENT NAME"
},
"errorCode": "",
"errorConsole": ""
}

```

```

"errorConsole": ""
}

```

23.2 Single Sales Order Creation

URL: https://smartxhub.cloud/api/{Your_key_Here}/cargo/invoicenfe/create

Method: PUT

Path Parameter:

{YOUR_KEY_HERE}: Company web key

Parameter:

```

{
  "nfeCode": "CODE",
  "issueDate": "2021-01-01 17:20:00",
  "truckLicense": "ABCDD",
  "customerCode": "4353",
  "shipmentNumber": "SMT01013",
  "dispatchSite": "G1",

```

```

    "nfeItems": [
      {
        "categoryType": "ABC",
        "categoryTotal": 1
      },
      {
        "categoryType": "EDA",
        "categoryTotal": 1
      }
    ]
  }

```

Details:

	Name	Type	Description
1	ShipmentNumber	integer	Sequence Number- created by ERP
2	nfeCode	string (50)	Sales Order Number or Manifest (Invoice)
3	issueDate	Date/Time	Sales Order Issue Date
4	truckLicense	string(10)	Truck Plate or Container Code
5	customerCode	string(10)	Customer Code
6	JobStarted	string(10)	false, true – Autostart the Smartx Transactions. As default should be “true”
7	dispatchSite	string(10)	Zone Code where the Item is dispatched
7	categoryType	string(10)	SKU Code (must be type RTI in the Smartx HUB)
8	CategoryTotal	integer	SKU Quantity items per Sales Order

Server Response:

```

{
  "success": true,
  "msg": "",
  "errorCode": "",
  "errorConsole": ""
}

```

24 Table of response errors

Table of possible errors that can be returned.

Error Code	Description
	Generic reference
0001	Object list is empty
0002	Webkey parameter is empty
0004	Code parameter is empty
0005	Name parameter is empty

0006	Invalid user (webkey) or user is disabled
0007	Item not found
0020	Category is empty
0021	Category is invalid. The category does not exist in the company.
0022	Notification Type is empty
0023	Notification Type is invalid. The notification type does not exist in the company.
0024	Notification – Duplicate values of notification
Item reference	
0030	Item code is empty
0031	Item name is empty
0032	Item brand is empty
0033	Item model is empty
0034	Item criticality index is empty
0035	Item category is empty
0036	Item subcategory is empty
0037	Item group is empty
0038	Item classification index is empty
0039	Item technical location is empty
0040	Item condition is empty
0041	Item status is empty
0042	Item current location is empty
0043	Item home location is empty
0044	Item – Category is invalid. The category does not exist in the company.
0045	Item – Group is invalid. The group does not exist in the company.
0046	Item – Condition is invalid. The condition does not exist in the company.
0047	Item – Status is invalid. The status does not exist in the company.
0048	Item – Current Location is invalid. The current location (Zone) does not exist in the company.
0049	Item – Home Location is invalid. The home location (Zone) does not exist in the company.
0050	Invalid Cost Center code
0051	Invalid Custody Owner code
0052	Invalid Custody Assigned code
0060	Notification not found
0070	Tag not found
0071	Item tag not found
0072	Tag used by another item
0080	Custodian not found
0090	Cost Center not found

0091	Doc Material not found
0092	Doc Material Ano not found
0093	Doc Material Tipo Mov not found
0094	Doc Material Cod Mat SAP not found
0095	Audit date is empty
0096	Audted by is empty

Generic Codes

Code	Description
0100	Transaction success
0999	Transaction error
9999	Transaction fatal error
INVALID_SIZE_CODE_MAX_30	Invalid size of field. Max size is 30 characters
INVALID_SIZE_NAME_MAX_255	Invalid size of field. Max size is 255 characters