



iQ Tech – Integration API v2.7.1 Organization and Managing Organization

Confidential

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1 API Preface

1.1 Authentication

Auth Type - OAuth 2.0

Grant Type- Client Credentials

Authentication method for pre-authorized external applications to consume IQ Tech Portal APIs that are exposed. API needs to supply the following to get the auth token

- Need to enter a unique Client Identifier
- Need a secret key

1.2 authBaseUrl

Production - <https://account.iqtechportal.com/>

1.3 Token

{{authBaseUrl}}/connect/token

Example:

```
curl --location --request POST 'https://account.iqtechportal.com/connect/token' \  
--header 'Authorization: Bearer null' \  
--header 'Content-Type: application/x-www-form-urlencoded' \  
--data-urlencode 'grant_type=client_credentials' \  
--data-urlencode 'client_id=xxxx' \  
--data-urlencode 'client_secret=xxxxx'
```

1.4 Integration URL

Production - <https://integration.iqtechportal.com/>

1.5 Language

English – 0

Spanish – 1

French – 2

1.6 Limitations

All GET calls with the page parameter will need pagination, the limit per page is 100.

2 Employee

2.1 POST – api/5.0/Employee

2.1.1 {{IntegrationURL}}/api/5.0/Employee

POST: <https://integration.iqtechportal.com/api/5.0/Employee>

2.1.2 Parameters

N/A

2.1.3 Request Body Example

```
{
  "department": "string", //Required
  "firstName": "string", //Required
  "lastName": "string", //Required
  "employeeNumber": "string", //Required
  "email": "string"
  "badge": "string",
  "language": 0, //see section 1.5 for available options
  "active": true,
  "isVTAdmin": true,
  "pinOption": "string",
  "ignoreFingerPrint": true,
  "managerEmail": "string",
  "clearPin": true,
  "resetPin": true,
  "oldPin": "string",
  "suspendUntil": "2024-03-26T21:25:06.138Z",
  "suspenduntilString": "string",
  "isSuspended": true,
}
```

2.1.4 Response Examples

200 Ok

```
{
  "isSuccess": true,
  "success": null,
  "errors": null,
  "error": null,
  "exception": null
}
```

500 Internal Server Error

```
{
  "isSuccess": false,
  "success": null,
  "errors": null,
  "error": {
```

```
"errorId": 500,  
"message": "Employee number already exists!"  
},
```

3 Machine Information (Single Machine)

3.1 GET- /api/5.0/Organization/GetOrganizationMachinePlanogramDetails

//Single Machine

3.1.1 {{IntegrationURL}}/api/5.0/Organization/GetOrganizationMachinePlanogramDetails

GET:
<https://integration.iqtechportal.com/api/5.0/Organization/GetOrganizationMachinePlanogramDetails?serialNo=WTN0000000>

3.1.2 Parameters

serialNo

3.1.3 Request Body Example

N/A

3.1.4 Response Example

```
{  
  "result": {  
    "items": [  
      {  
        "machine": {  
          "machineName": " Test Machine Waukee Touchscreen",  
          "controlBoardSerialNo": "WTN42246643220217481",  
          "machineSerialNo": null,  
          "location": "Waukee Test Office",  
          "machineType": 2,  
          "status": true,  
          "lastActivity": "2024-04-24T16:06:57.6305139",  
          "controlBoardVersion": "5161"  
        },  
        "machinePlanogram": [  
          {  
            "selection": "100",  
            "productName": "Binder clips- Medium",  
            "productItemNumber": "5678",  
            "criticalLevel": 5,  
            "lowLevel": 6,  
          }  
        ]  
      }  
    ]  
  }  
}
```

```

        "parLevel": 0,
        "maxDepth": 15,
        "currentCount": 2,
        "price": "0.00"
    }
}
],
{
    "machine": {
        "machineName": "Virtual Tracker Example",
        "controlBoardSerialNo": "WTNVMMUEkdEMgJe",
        "machineSerialNo": null,
        "location": "Testing Machines",
        "machineType": 3,
        "status": true,
        "lastActivity": "2023-07-17T16:40:40.045444",
        "controlBoardVersion": null
    },
    "machinePlanogram": [
        {
            "selection": "100",
            "productName": "Binder clips- Medium",
            "productItemNumber": "5678",
            "criticalLevel": 0,
            "lowLevel": 0,
            "parLevel": 0,
            "maxDepth": 0,
            "currentCount": 31,
            "price": "0.00"
        }
    ]
}
],
"metaData": {
    "firstItemOnPage": 1,
    "hasNextPage": true,
    "hasPreviousPage": false,
    "isFirstPage": true,
    "isLastPage": false,
    "lastItemOnPage": 2,
    "pageCount": 7,
    "pageNumber": 1,
    "pageSize": 2,
    "totalItemCount": 13,
    "thisPageItemCount": 2,
    "itemStart": 1,
    "itemEnd": 2
}
},
"isSuccess": true,
"success": null,
"errors": null,
"error": null,
"exception": null
}

```

4 Machine Information (All Machines)

4.1 GET- /api/5.0/Organization/GetOrganizationAllMachinePlanogramDetails
//All machines

4.1.1 {{IntegrationURL}}/api/5.0/Organization/GetOrganizationAllMachinePlanogramDetails

<https://integration.iqtechportal.com/api/5.0/Organization/GetOrganizationAllMachinePlanogramDetails?page=1&pageSize=20>

4.1.2 Parameters

page
pageSize

4.1.3 Request Body Example

N/A

4.1.4 Response Example

```
{
  "result": {
    "items": [
      {
        "machine": {
          "machineName": " Test Machine Waukee Touchscreen",
          "controlBoardSerialNo": "WTN42246643220217481",
          "machineSerialNo": null,
          "location": "Waukee Test Office",
          "machineType": 2,
          "status": true,
          "lastActivity": "2024-04-24T16:06:57.6305139",
          "controlBoardVersion": "5161"
        },
        "machinePlanogram": [
          {
            "selection": "100",
            "productName": "Binder clips- Medium",
            "productItemNumber": "5678",
            "criticalLevel": 5,
            "lowLevel": 6,
            "parLevel": 0,
            "maxDepth": 15,
            "currentCount": 2,
            "price": "0.00"
          }
        ]
      },
      {
        "machine": {
          "machineName": "Virtual Tracker Example",
          "controlBoardSerialNo": "WTNVMMUEkdEMgJe",
          "machineSerialNo": null,
          "location": "Testing Machines",

```



```

        "machineType": 3,
        "status": true,
        "lastActivity": "2023-07-17T16:40:40.045444",
        "controlBoardVersion": null
    },
    "machinePlanogram": [
        {
            "selection": "100",
            "productName": "Binder clips- Medium",
            "productItemNumber": "5678",
            "criticalLevel": 0,
            "lowLevel": 0,
            "parLevel": 0,
            "maxDepth": 0,
            "currentCount": 31,
            "price": "0.00"
        }
    ]
},
"metaData": {
    "firstItemOnPage": 1,
    "hasNextPage": false,
    "hasPreviousPage": false,
    "isFirstPage": true,
    "isLastPage": true,
    "lastItemOnPage": 1,
    "pageCount": 1,
    "pageNumber": 1,
    "pageSize": 20,
    "totalItemCount": 13,
    "thisPageItemCount": 13,
    "itemStart": 1,
    "itemEnd": 13
}
},
"isSuccess": true,
"success": null,
"errors": null,
"error": null,
"exception": null
}

```

5 Reports

5.1 GET- /api/5.0/Transaction/TransactionReport

5.1.1 {{IntegrationURL}}/api/5.0/Transaction/TransactionReport

```
https://integration.iqtechportal.com/api/5.0/Transaction/TransactionReport?page=1&pageSize=100
```

5.1.2 Parameters

Page
pageSize
ToDate
FromDate

5.1.3 Request Body Example

N/A

5.1.4 Response Example

```
{
  "result": {
    "transactionReport": {
      "items": [
        {
          "machineDetails": {
            "serialNo": "WTN42246641120164005",
            "organization": "EMS",
            "account": "Mason Testing :)",
            "machineName": "Test Machine Waukee Keypad-1",
            "location": "Waukee Test Office"
          },
          "transactionDetails": [
            {
              "transactionDateAndTime": "2024-04-25T18:46:51.6717682",
              "employeeName": "Murphy, Paul",
              "employeeNumber": "12354",
              "productName": "Phase 6",
              "productGroup": "Phase Releases ",
              "productGroupName": null,
              "offlinePurchase": "No",
              "selection": "100",
              "manufacturerName": null,
              "manufacturerItemNumber": null,
              "dispensedQuantity": 1,
              "secondPersonAuth": " ",
              "batchDetails": [
                {
                  "lotNumber": null,
                  "expDate": null,
                  "qtyTaken": "1"
                }
              ],
              "userLimit": [
                {
                  "question": "TESTING",
                  "response": "2"
                }
              ]
            }
          ]
        }
      ]
    }
  }
}
```

```

        "pricePerItem": 0.00,
        "total": 0.00,
        "itemNumber": "66",
        "takenWeight": null,
        "assetNumber": null,
        "department": "Service",
        "packageQuantity": 1,
        "packagePrice": 0.00
      }
    ]
  },
  "metaData": {
    "firstItemOnPage": 1,
    "hasNextPage": true,
    "hasPreviousPage": false,
    "isFirstPage": true,
    "isLastPage": false,
    "lastItemOnPage": 1,
    "pageCount": 1116,
    "pageNumber": 1,
    "pageSize": 1,
    "totalItemCount": 1116,
    "thisPageItemCount": 1,
    "itemStart": 1,
    "itemEnd": 1
  }
},
"isSuccess": true,
"success": null,
"errors": null,
"error": null,
"exception": null
}

```