

SoftOne GO: API Endpoint

MatrixReport/Types



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1. MatrixReport/Types

API Endpoint: MatrixReport/Types | Retrieve Analyze Reports Available Metadata

1.1 Summary

This endpoint is used to **retrieve a list of available Analyze Reports** in the customer's SoftOne GO environment, along with related **metadata** such as available fields, columns, and report types.

This document explains how to:

- Fetch all available Analyze Reports from the system
- Interpret the structure and metadata returned by the endpoint

Typical usage flow:

To retrieve report data, this endpoint is used in combination with /MatrixReport/Output:

1. **Step 1** – Call /MatrixReport/Types to get a list of reports and metadata
2. **Step 2** – Use that metadata to filter and fetch detailed report results via /MatrixReport/Output

Note: This feature currently only supports Analyze Reports within the following modules:

- **Time**
- **Schema**
- **Payroll**

Reports from other modules (e.g., **Economy** or **Finance**) are **not supported** at this time.

For the latest technical reference and request/response schemas, please refer to the [Swagger documentation](#)

2. Request

This section contains all relevant information concerning the request itself.

2.1 Endpoint Information

- Endpoint URL: <https://apiexternal.softone.se/Personell/Report/MatrixReports/Types>
- Method: GET
- Authentication required: Yes

2.2 Request Parameters

Note: authentication parameters (companyApiKey, connectApiKey and token) must always be included. For more information, read **Identification and Token Generation - POST login-token**.

There are **no endpoint specific parameters** to this request.

2.3 Request sample

Here follows a request example in JSON format:

```
https://apiexternal.softone.se/Personell/Report/MatrixReports/Types?companyApiKey=param1&connectApiKey=param2&token=param3
```

3. Response

This section contains all relevant information concerning the response itself.

3.1 Response specific parameters

The following tables describe the structure of each response returned by the endpoint.

| Name | Data type | Description |
|---------------|-----------|---|
| matrixDataDto | Array | Result set of all available reports and their metadata. |

matrixDataDTO

| Name | Data type | Description |
|-------------------------------|-----------|---|
| GroupName | String | Not used. |
| SysReportTemplateTypeId | Int | Not used. |
| ReportNr | Int | Unique report number. |
| Name | String | Name of the report. |
| ReportId | Int | Unique report id. Used later on. |
| Description | String | Not used. |
| ApiMatrixReportSelectionInfos | String | Array containing all available filters that must be prepopulated and used in subsequent call to MatrixReports/Output. |

apiMatrixReportSelectionInfos

| Name | Data type | Description |
|------------------------|-----------|---------------------------|
| ApiMatrixSelectionType | int | See detailed description. |
| Key | string | |
| Description | string | |

Note: ApiMatrixSelectionType is basically an enumeration corresponding to the following values:

Unknown = 0,
 Employee = 1,
 DateRange = 2,
 Date = 3,
 IdList = 4,
 Id = 5,
 Bool = 6,
 PayrollProduct = 7,
 Text = 8

Depending on ApiMatrixSelectionType a matching selection criteria according to table below should be attached in the body.

| ApiMatrixSelectionType | Description | Example |
|------------------------|-------------|---|
| 0 | Unknown | |
| 1 | Employee | "ApiMatrixEmployeeSelections": { "EmployeeIds": [], "IncludeEnded": "true", |

| | | |
|---|----------------|---|
| | | <pre>"IncludeHidden": "false", "IncludeVacant": "false" }]</pre> |
| 2 | DateRange | <pre>"ApiMatrixDataSelectionDateRanges": [{ "SelectFrom": "2025-05-01 00:00:00", "SelectTo": "2025-05-01 23:59:59" }]</pre> |
| 3 | Date | <pre>"ApiMatrixDataSelectionDates": [{ "TypeName": "string", "Key": "string", "Date": "2025-06-27T12:16:12.789Z" }]</pre> |
| 4 | IdList | <pre>"ApiMatrixDataSelectionIdLists": [{ "TypeName": "string", "Key": "string", "Ids": [0] }]</pre> |
| 5 | Id | <pre>"ApiMatrixDataSelectionIds": [{ "TypeName": "string", "Key": "string", "Id": 0 }]</pre> |
| 6 | Bool | <pre>"ApiMatrixDataSelectionBools": [{ "BooleanValue": true }]</pre> |
| 7 | PayrollProduct | <pre>"ApiMatrixPayrollProductRowSelections": [{ "SysPayrollTypeLevel1": "None", "SysPayrollTypeLevel2": "None", "SysPayrollTypeLevel3": "None", "SysPayrollTypeLevel4": "None" }]</pre> |
| 8 | Text | <pre>"ApiMatrixDataSelectionTexts": [{ "StringValue": "string" }]</pre> |

| | | |
|--|--|---|
| | |] |
|--|--|---|

3.2 Response sample

Sample of data returned in JSON format:

```
[
  {
    "GroupName": "Tid",
    "SysReportTemplateTypeId": 1001,
    "ReportNr": 1234,
    "Name": "Attestunderlag",
    "ReportId": 203177,
    "Description": null,
    "ApiMatrixReportSelectionInfos": [
      {
        "ApiMatrixSelectionType": 1,
        "Key": null,
        "Description": null
      },
      {
        "ApiMatrixSelectionType": 2,
        "Key": null,
        "Description": null
      }
    ],
    "ApiMatrixColumns": [
      {
        "Field": "employeeNr",
        "Title": "Anställningsnummer"
      },
      {
        "Field": "employeeName",
        "Title": "Namn"
      },
      {
        "Field": "employmentType",
        "Title": "Anställningsform"
      },
      {
        "Field": "employeeGroup",
        "Title": "Tidavtal"
      },
      ...
    ]
  }
]
```

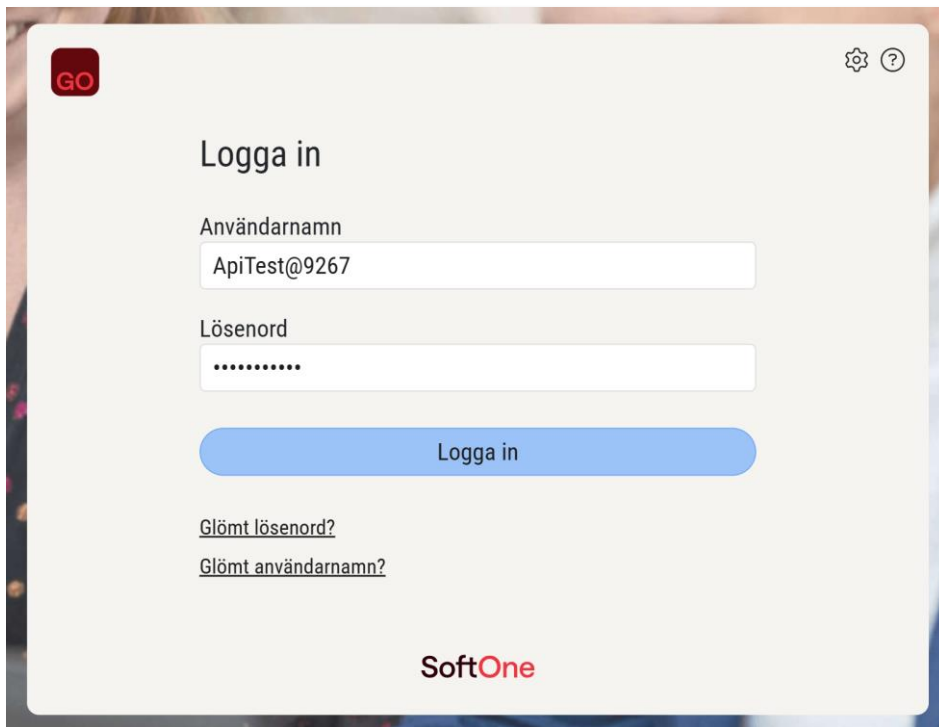
4. Other

This section contains additional information.

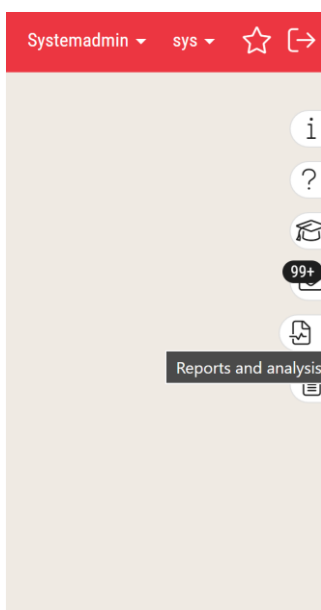
4.1 Application Reference – SoftOne GO

This section explains how the API data relates to the UI/logic in SoftOne GO. It helps new integrators connect what they see in the system with what they get via the API.

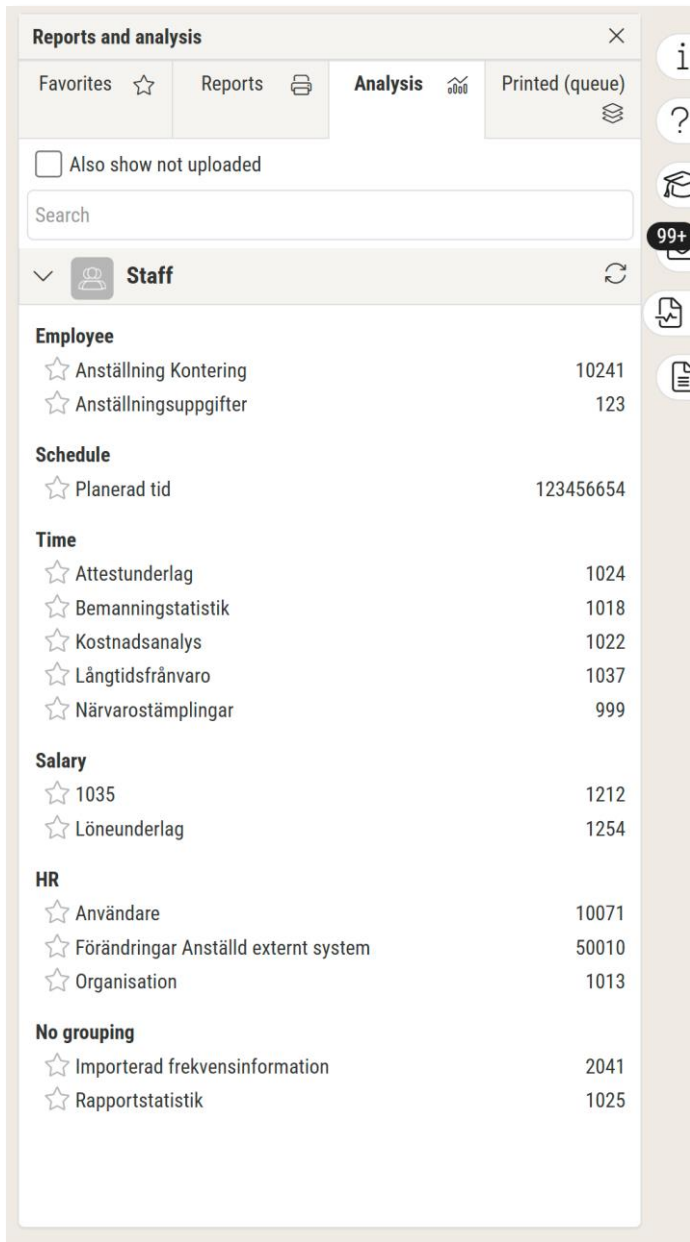
Navigate to <https://go.softone.se>



Perform Login using api account credentials



Click on the **Report and analysis** icon on right side of the screen.



Reports and analysis

Favorites ☆ Reports Reports Analysis Printed (queue)

Also show not uploaded

Search

Staff

Employee

- ☆ Anställning Kontering 10241
- ☆ Anställningsuppgifter 123

Schedule

- ☆ Planerad tid 123456654

Time

- ☆ Attestunderlag 1024
- ☆ Bemanningstatistik 1018
- ☆ Kostnadsanalys 1022
- ☆ Långtidsfrånvaro 1037
- ☆ Närvarostämplingar 999

Salary

- ☆ 1035 1212
- ☆ Löneunderlag 1254

HR

- ☆ Användare 10071
- ☆ Förändringar Anställd externt system 50010
- ☆ Organisation 1013

No grouping

- ☆ Importerad frekvensinformation 2041
- ☆ Rapportstatistik 1025

From here you are able to view all analyze reports available. Click on one of the reports to open up next screen.

Start by applying all selection parameters in upper section of the report. Then proceed by adding fields for displaying from the available fields section.

Press the create table button to create the report.

| Report | Ordered/Printed | Status |
|--------------------|-----------------|---------------------|
| Bemanningstatistik | 6/23/25 7:20 PM | [Download] [Delete] |
| Bemanningstatistik | 6/23/25 5:34 PM | [Download] [Delete] |
| Bemanningstatistik | 6/23/25 6:09 PM | [Download] [Delete] |

The report is queued and once finished ready to be displayed.

Note: Once logged in, your account will have access to the system based on the permissions configured by your company administrator. If something doesn't work as expected, please contact the administrator for assistance.

4.2 Pre-conditions / How to get started

No information yet.

4.3 Use cases

No use cases yet.

4.4 Best practices

No information yet.

4.5 Limitations

No information yet.

4.6 Post conditions / Expected outcome

No information yet.

4.7 Tips for the integrator

No information yet.