

**SoftOne GO: API Endpoint**

# TimeBalance (GET)



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**SoftOne**

Business software with serious flex

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## 1. TimeBalance (GET)

### API Endpoint: Time/TimeBalance (GET)

Retrieve employee time balance data

#### 1.1 Summary

The **TimeBalance** endpoint is used to retrieve balances for one or more employees on a given date. It returns information about time-based balances like flexitime, overtime etc. and day-based balances like vacation days and LAS days.

## 2. Request

This section outlines the structure, parameters, and required data used when making a request to this endpoint.

### 2.1 Overview

- Method: Get
- URL: <https://apiexternal.softone.se/Personell/Time/TimeBalance>
- Read the full technical documentation ([GetTimeBalance](#)) in *Swagger*.

### 2.2 Authentication

This endpoint requires **token-based authentication** using a combination of API keys and an access token. where:

- API keys identify the company and integration
- A time-limited access token authorizes access to protected resources

All three parameters are required for successful authentication.

The access token is obtained by calling the **/Login/Token** endpoint and must be included in every authenticated request.

### 2.3 Parameters

Name	Type	Required	Description
companyApiKey	string	Yes	Identifies the company whose data is being accessed
connectApiKey	string	Yes	Identifies the integration partner / connecting application
Token	string	Yes	Access token used to authenticate the request
date	date-time	Yes	Date for which the balance is to be retrieved.
employeeNrsStrings	string	Yes	Comma-separated list for filtering on employee numbers.
code	string	No	Comma-separated list for filtering out <i>time</i> -based

			balances (Enum = "TimeAccumulator"). Leave this property empty to retrieve all the <i>day</i> -based balances (cannot be filtered). <b>BUG – NOT WORKING</b>
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### 3. Request sample

Since this is a GET request, request samples are typically represented as URL-encoded query strings.

```
https://apiexternal.softone.se/Personell/Time/TimeBalance?companyApiKey=123e4567-e89b-12d3-a456-426614174000&connectApiKey=987e6543-e21b-65d3-a456-426614174999&token=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9&date=2024-05-15T00%3A00%3A00Z&employeeNrsStrings=1001%2C1002%2C1003&code=OvertimeHours
```

## 4. Response

### 4.1 Parameters

Each object in the response array represents a balance record for an employee.

Name	Data type	Description
TimeBalanceIOType	string	Balance type. Enum includes "TimeAccumulator", "RemainingDaysPaid", etc.  <a href="#">See complete list here.</a>
Code	string	Name of type if "TimeAccumulator".  If it is a <i>day</i> -based balance this property will be empty.
Date	date-time	The balance at this date.  Only applicable on time-based balances
EmployeeNr	string	Employee number linked to the balance.
Quantity	double	Time amount in <i>hours</i> or <i>days</i> (depending on balance type).
AdjustmentDate	date-time	Last date there was an adjustment to the balance.  Only applicable for day-based balances.

### 4.2 Sample

Sample of data returned in JSON format:

```
[
  {
    "TimeBalanceIOType": "TimeAccumulator",
    "Code": "OvertimeHours",
    "Date": "2024-12-31T00:00:00Z",
    "EmployeeNr": "E1023",
    "Quantity": 12.5,
    "AdjustmentDate": "2024-12-31T00:00:00Z"
  },
  {
    "TimeBalanceIOType": "RemainingDaysPaid",
    "Code": "",
```

```
"Date": "2024-12-31T00:00:00Z",  
"EmployeeNr": "E1023",  
"Quantity": 18.0,  
"AdjustmentDate": "2024-12-31T00:00:00Z"  
},  
{  
  "TimeBalanceIOType": "RemainingDaysUnPaid",  
  "Code": "",  
  "Date": "2024-12-31T00:00:00Z",  
  "EmployeeNr": "E1023",  
  "Quantity": 3.0,  
  "AdjustmentDate": "2024-12-31T00:00:00Z"  
}  
]
```

## 5. Examples

### 5.1 Example request X

[Provide a short explanation/description of the example + add the actual post, body and response]

POST

<https://apiexternal.softone.se/...>

BODY

[...]

### 5.2 Example request Y

[Provide a short explanation/description of the example + add the actual post, body and response]

POST

<https://apiexternal.softone.se/...>

BODY

### 5.3 [...]

## 6. SoftOne GO UI Mapping

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

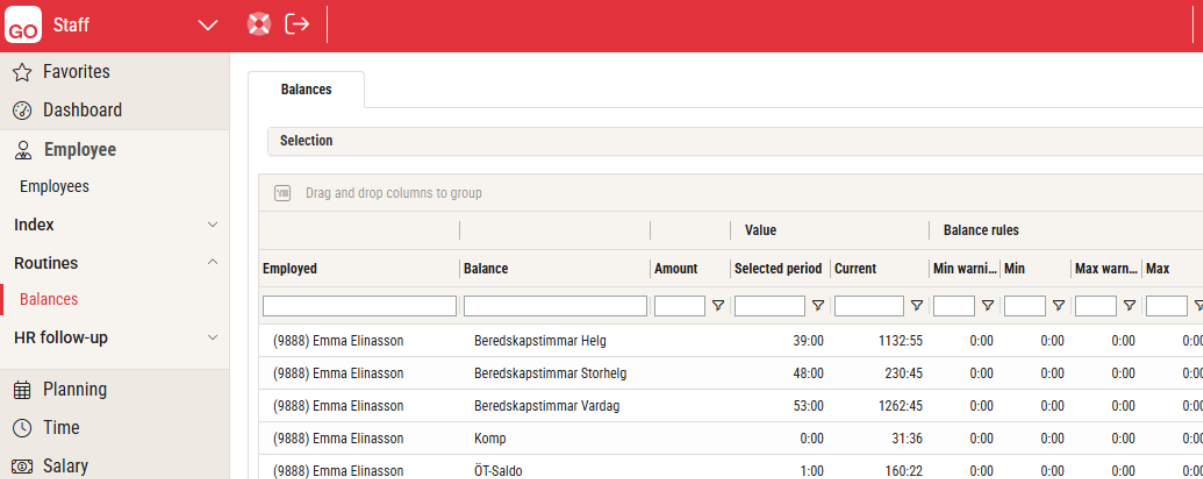
Navigate to <https://go.softone.se>

### 6.1 TimeBalanceIOType and Code

The endpoint property *TimeBalanceIOType* corresponds to the balance defined by the Enum.

If the Enum value is “TimeAccumulator” it is the value on the property “Code” that points out the exact balance. You can find these balances in the following location:

*Staff > Employee > Routines > Balances*



Employed	Balance	Amount	Value		Balance rules			
			Selected period	Current	Min warn...	Min	Max warn...	Max
(9888) Emma Elinasson	Beredskapstimmor Helg	39:00	1132:55	0:00	0:00	0:00	0:00	0:00
(9888) Emma Elinasson	Beredskapstimmor Storhelg	48:00	230:45	0:00	0:00	0:00	0:00	0:00
(9888) Emma Elinasson	Beredskapstimmor Vardag	53:00	1262:45	0:00	0:00	0:00	0:00	0:00
(9888) Emma Elinasson	Komp	0:00	31:36	0:00	0:00	0:00	0:00	0:00
(9888) Emma Elinasson	ÖT-Saldo	1:00	160:22	0:00	0:00	0:00	0:00	0:00

They are also available in the Attest time page when selecting a sole employee.

If the Enum value is *distinct* from “TimeAccumulator” it corresponds to the vacation and LAS balances, i.e. day balances. These accumulators are not found in the balance page above.

The vacation and LAS balances are found on each employee's employee card:

*Staff > Employee > Open an employee card and then open the expanders Employment data > Holiday and other absence > Holiday*

The screenshot shows the 'Holiday' section of an employee card. It features a table with three columns: 'Earned days', 'Used days', and 'Remaining days'. The table is divided into two main sections: 'Current leave year: Ingen beräkning' and 'Saved years 1' through 'Overdue days'. The 'Remaining days' column shows values such as 26 for 'Paid days' and 24 for 'Remaining' at the bottom. There is also a 'Preliminary used' row with a value of -4.

	Earned days	Used days	Remaining days
<b>Current leave year: Ingen beräkning</b>			
<b>Paid days</b>	0	0	26
<b>Paid holiday bonus</b>		0	
<b>Paid variable holiday bonus</b>		0	
<b>Unpaid days</b>	0	0	0
<b>Advance</b>	0	0	0
<b>Debt in advance</b>	Amount: 0,00	Expires:	<input type="checkbox"/> Remove
<b>Saved years</b>			
<b>Saved years 1</b>	0	0	0
<b>Saved years 2</b>	0	0	0
<b>Saved years 3</b>	0	0	0
<b>Saved years 4</b>	0	0	2
<b>Saved years 5</b>	0	0	0
<b>Overdue days</b>	0	0	0
<b>Preliminary used</b>			-4
<b>Remaining</b>		0	24

## 6.2 Date

The endpoint property *Date* corresponds to the field *Date* in SoftOne GO and can be found at this location:

*Staff > Employee > Routines > Balances*

The screenshot displays the 'Balances' configuration page in the SoftOne GO application. The interface includes a sidebar on the left with navigation options: Favorites, Dashboard, Employee, Employees, Index, Routines, Balances (highlighted), HR follow-up, Planning, Time, Salary, Import, Export, Reports, and Settings. The main content area is titled 'Balances' and contains a 'Selection' section. Within this section, the 'Date' field is highlighted with a red box, showing the value '6/2/25'. Below the 'Date' field, there are several other configuration options: 'Show limits for' (Selected period), 'Employees' (Include inactive, Only show inactive), 'Base on' (The person's affiliation), a button 'Include employees with affiliations according to selection', three 'TJM' dropdowns (Time agreement, Holiday agreement, Salary agreement), 'Employees' (0 of 22 selected), 'Balance' (Select), 'Own limit min', 'Own limit max', and checkboxes for 'Only show outside limits' and 'Also show employees with a balance value of 0'.

### 6.3 EmployeeNrsStrings and EmployeeNr

The endpoint properties `EmployeeNrsString` (request) and `EmployeeNr` (response) corresponds to the field `Employee ID` in SoftOne GO, which can be viewed - among other locations - via the following navigation path:

*Staff > Employee > Employees*

The screenshot shows the 'Employees' page in SoftOne GO. The left sidebar contains navigation options like Favorites, Dashboard, Employee, Employees, Index, Routines, HR follow-up, Planning, Time, Salary, Import, Export, Reports, and Settings. The main area displays a table of employees with columns: Active, Employee ID, Name, Time agreement, Employment position, Employ. rate, and Weekly working hours. The 'Employee ID' column is highlighted with a red box, and the value '3014' for Douglas Jensberg is also highlighted with a red box.

Active	Employee ID	Name	Time agreement	Employment position	Employ. rate	Weekly working hours
<input type="checkbox"/>	3002	Jacob Ahmedsdotter	Timavlönad	Permanent Position	26,14	10:00
<input type="checkbox"/>	3003	Tilde Lindström	Timavlönad	Permanent Position	78,43	30:00
<input type="checkbox"/>	3004	Erika Alicegren	Timavlönad	Permanent Position	10,46	4:00
<input type="checkbox"/>	3005	Sabina Emmagren	Timavlönad	Permanent Position	52,29	20:00
<input type="checkbox"/>	3006	Fabian Gustavsson	Månadsavlön...	Permanent Position	100,00	38:15
<input type="checkbox"/>	3014	Douglas Jensberg	Timavlönad	Permanent Position	52,29	20:00
<input type="checkbox"/>	3015	Emil Elviraur	Timavlönad	Permanent Position	65,36	25:00
<input type="checkbox"/>	3018	Molly Lukassdotter	Timavlönad	Permanent Position	15,69	6:00
<input type="checkbox"/>	3022	Lovisa Emiliasdotter	Timavlönad	Permanent Position	52,29	20:00
<input type="checkbox"/>	3023	Sara Jennyngren	Timavlönad	Special fixed time employment	52,29	20:00
<input type="checkbox"/>	3024	Beatrice Sandberg	Timavlönad	Permanent Position	52,29	20:00

### 6.4 Quantity

The endpoint property `Quantity` (the accumulator's value) correspond to the Value field in SoftOne GO regarding time balances.

The screenshot shows the 'Balances' page in SoftOne GO. The left sidebar contains navigation options like Favorites, Dashboard, Employee, Employees, Index, Routines, Balances, HR follow-up, Planning, Time, Salary, Import, Export. The main area displays a table of balances with columns: Employed, Balance, Amount, Selected period, Current, Min warning, and Mi. The 'Value' column is highlighted with a red box.

Employed	Balance	Amount	Selected period	Current	Min warning	Mi
(9888) Emma Elinasson	Beredskapstimmor Helg		39:00	1132:55	0:00	
(9888) Emma Elinasson	Beredskapstimmor Storhelg		48:00	230:45	0:00	
(9888) Emma Elinasson	Beredskapstimmor Vardag		53:00	1262:45	0:00	
(9888) Emma Elinasson	Komp		0:00	31:36	0:00	
(9888) Emma Elinasson	ÖT-Saldo		1:00	160:22	0:00	

The endpoint property *Quantity* (the accumulator's value) correspond to the value fields that can be seen in the screenshot regarding day balances:

	Earned days	Used days	Remaining days
Paid days	0	0	26
Paid holiday bonus		0	
Paid variable holiday bonus		0	
Unpaid days	0	0	0
Advance	0	0	0
Debt in advance	Amount: 0,00	Expires:	<input type="checkbox"/> Remove
Saved years 1	0	0	0
Saved years 2	0	0	0
Saved years 3	0	0	0
Saved years 4	0	0	2
Saved years 5	0	0	0
Overdue days	0	0	0
Preliminary used			-4 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">i</span>
Remaining		0	24

## 6.5 AdjustmentDate

The adjustment date cannot be view in the SoftOne GO UI. Exists only in the database.