

**SoftOne GO: API Endpoint**

# POST Time/TimeStampEntry



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# 1. POST Time/TimeStampEntry

**API Endpoint: POST Time/TimeStampEntry**  
Save timestamp records for employees

## 1.1 Summary

The **TimeStampEntry** endpoint support posting both real-time registrations (punch in and punch out) and retrospective time entries from employees. Apart from handling clock in and clock out time, the endpoint can handle entries about break, account connected to the time provided, reported extents, which device was used, and more. The endpoint provide support for integrations with physical time terminals and custom attendance solutions that need to post timestamped attendance data directly into SoftOne GO.

Date	Time	Causes	Kostnadsställe	Comment
4/3/25	08:28			
4/3/25	12:11			
4/3/25	12:56			
4/3/25	15:01			

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

## 2. Request

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

### 2.1 Overview

- Method: POST
- URL:

`https://apiexternal.softone.se/Personell/Time/TimeStampEntry`

### 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

## 2.4 Body

Each entry in the array represents a single employee time punch, including type, time, and optional metadata.

Name	Type	Required	Description
EmployeeNr	string	Yes	Employee number of the individual making the time entry.
EmployeeExternalCode	string	No	External code identifying the employee.
TimeStamp	date-time	Yes	Date and time of the timestamp entry.
TimeStampEntryType	string	Yes	Type of entry/punch. Enum: "In" and "Out"
IsBreak	boolean	No	True if this entry marks the start or end of a break.
AccountNr	string	No	The account number ("konteringskod") reported with the time entry/punch. I.e. the cost carrier.
SieAccountDim	integer	No	Defines what type of accounting dimension the AccountNr represents. Necessary because different dimensions may share the same ID, but not mandatory to use.
TimeTerminalId	integer	Yes	ID of the terminal where the entry was made.
Accounts	array of objects	No	List of connected accounts. Contains <i>AccountNr</i> (string) and <i>SieAccountDim</i> (integer) and is used when there is multiple account dimensions reported.
TimeScheduleTypes	array of objects	No	List of extents/deductions (SWE: tillägg och avdrag) connected to the timestamp entry.  The value of an extent/deduction can only be derived from the start and stop time of the timestamps and cannot be sent as a separate figure.

			Contains <i>TimeScheduleTypeCode</i> (string)  (Please note that the label of the property is somewhat misleading due to historical reasons)
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## 3. Examples

### 3.1 Punch-in example

```
[
  {
    "EmployeeNr": "EMP1001",
    "EmployeeExternalCode": "EXT-EMP1001",
    "TimeStamp": "2025-06-12T08:00:00Z",
    "TimeStampEntryType": "In",
    "IsBreak": false,
    "AccountNr": "4001",
    "SieAccountDim": 2,
    "TimeTerminalId": 1,
    "Accounts": [
      {
        "AccountNr": "4001",
        "SieAccountDim": 3
      }
    ],
    "TimeScheduleTypes": [
      {
        "TimeScheduleTypeCode": "DayShift"
      }
    ]
  }
]
```

## 4. SoftOne GO UI Mapping

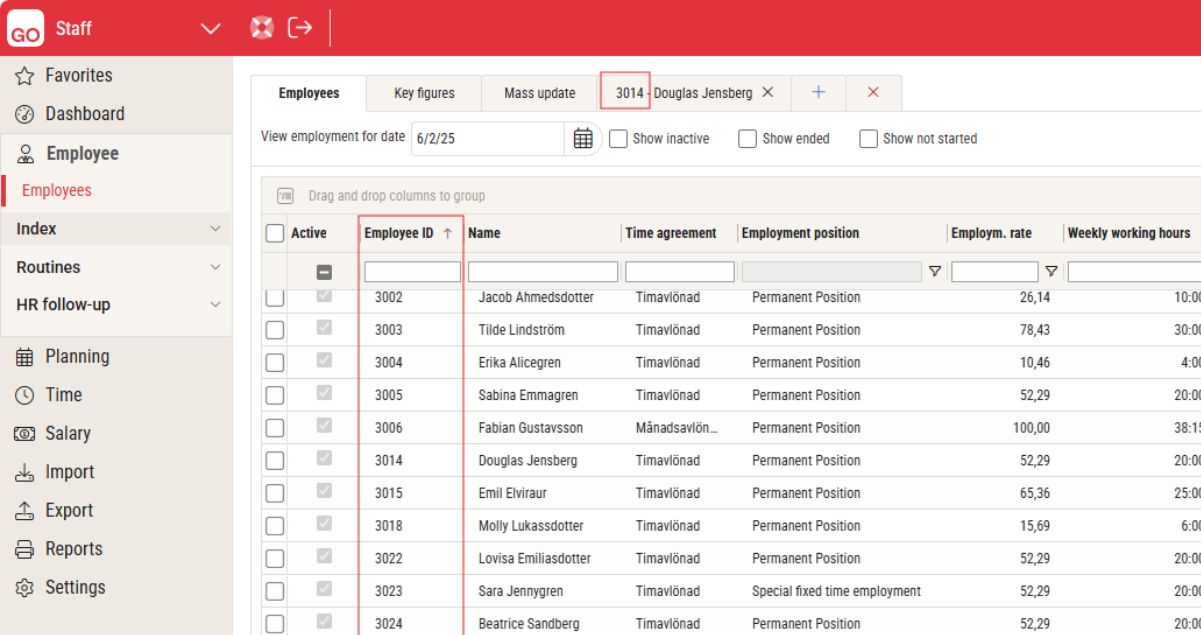
This section explains how the API data relates to the UI/logic in SoftOne GO. It also describes the purpose of the properties in context of SoftOne GO. It helps new integrators connect what they see in the system with what they get via the API.

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

### EmployeeNr

The endpoint property *EmployeeNr* corresponds to the field *Employee ID* in SoftOne GO, which can be viewed - among other locations – via the following navigation path:

*Staff > Employee > Employees*

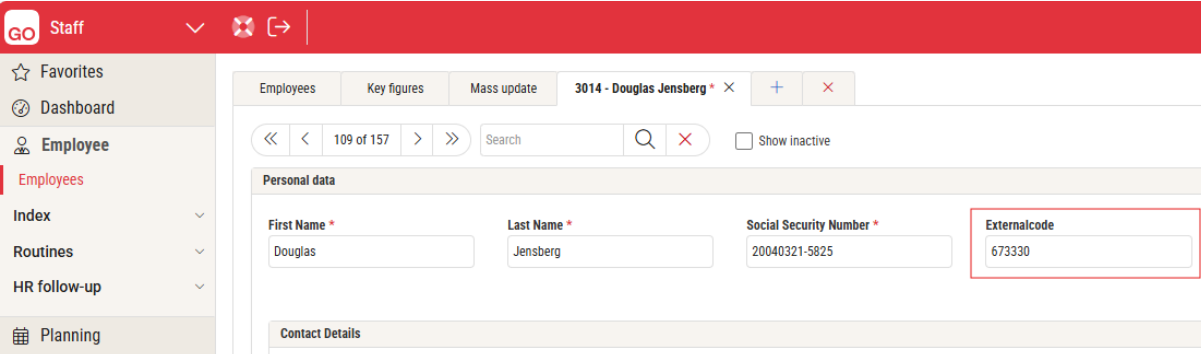


Active	Employee ID	Name	Time agreement	Employment position	Employ. rate	Weekly working hours
<input checked="" type="checkbox"/>	3002	Jacob Ahmedsdotter	Timavlönad	Permanent Position	26,14	10:00
<input checked="" type="checkbox"/>	3003	Tilde Lindström	Timavlönad	Permanent Position	78,43	30:00
<input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

### EmployeeExternalCode

The endpoint property *EmployeeExternalCode* corresponds to the field *ExternalCode* in SoftOne GO and can be viewed - among other locations - via the following navigation path:

*Staff > Employee > Employees (open employee card)*

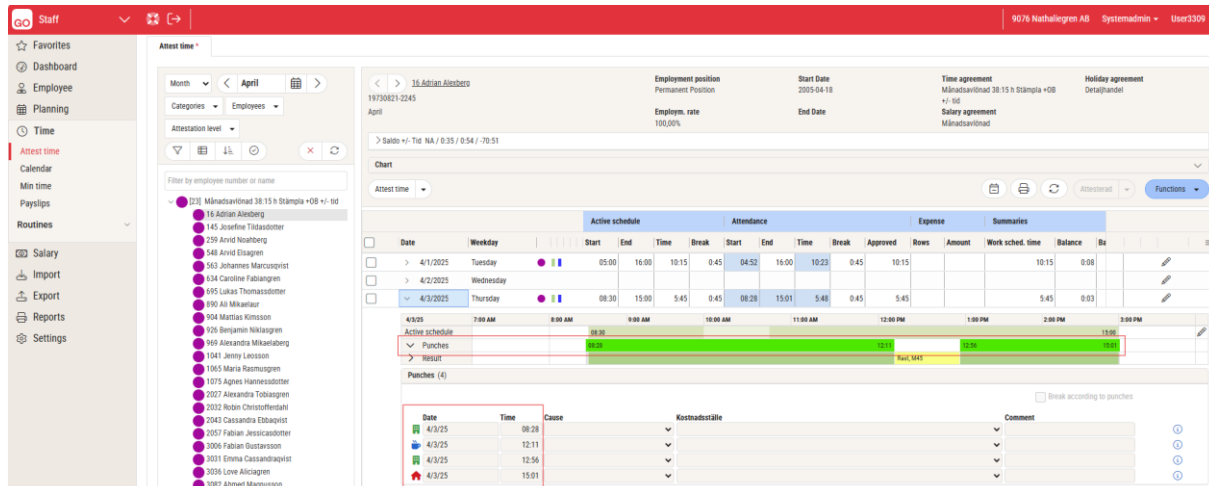


First Name *	Last Name *	Social Security Number *	Externalcode
Douglas	Jensberg	20040321-5825	673330

## TimeStamp

The endpoint property *TimeStamp* corresponds to *Punches* in SoftOne GO and can be viewed - among other locations - via the following navigation path:

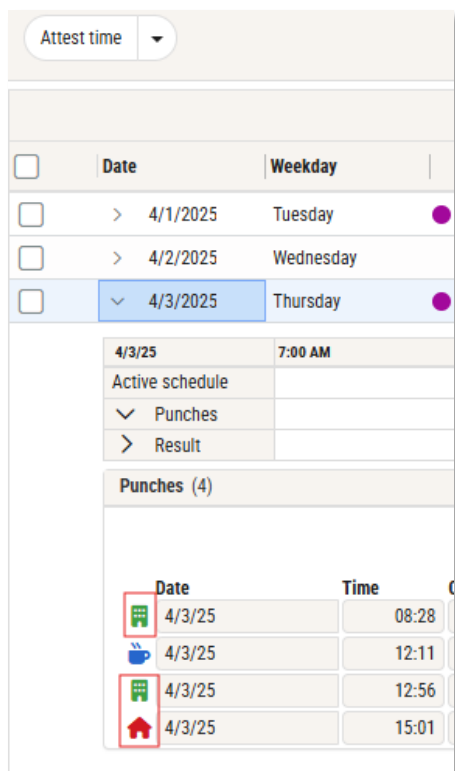
*Staff > Time > Attest time* (open details for a day row)



## TimeStampEntryType

The endpoint property *TimeStampEntryType* corresponds to *In* and *Out* punches that can be viewed - among other locations - via the following navigation path:

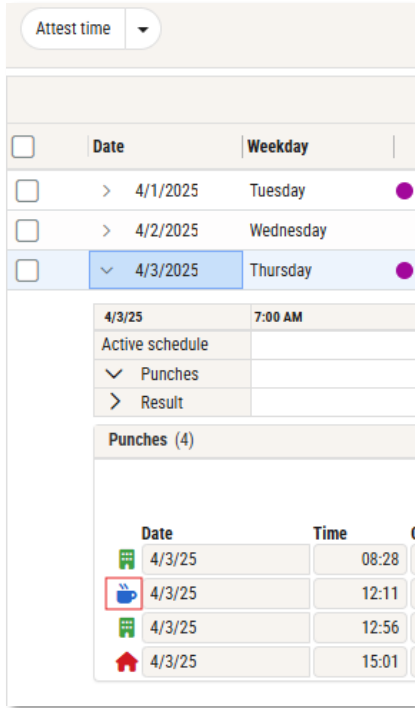
*Staff > Time > Attest time* (open details for a day row).



## IsBreak

The endpoint property *IsBreak* corresponds to *Break* punches that can be viewed - among other locations - via the following navigation path:

*Staff > Time > Attest time* (open details for a day row).



## AccountNr

The endpoint property *AccountNr* corresponds to one of the levels of the *financial affiliation* (if the organisation is using an economical organisation structure in GO) or a *Category* (if the organisation is using a category structure in GO).

In context of time reporting, the user-entered accounting data, defines the deviating cost allocation. It can be cost centre, department, project, etc.)

How the organisation structure is set up is found in the following location:

*Finance > Accounting > Coding levels* (the example shows an economical structure)

The screenshot shows the 'Region' configuration page. The left sidebar has a menu with 'Region' highlighted. The main content area shows a table with the following data:

Active	Number	Name
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	1000	Stockholm
<input checked="" type="checkbox"/>	2000	Göteborg
<input checked="" type="checkbox"/>	3000	Malmö
<input checked="" type="checkbox"/>	4000	Sverige Norr
<input checked="" type="checkbox"/>	4500	Sverige Mellan
<input checked="" type="checkbox"/>	5000	Sverige Söder

## SieAccountDim

The endpoint property *SieAccountDim* corresponds to the field *SIE Dimension* that can be found at this location:

*Finance > Accounting > Coding levels > Coding levels*

The screenshot shows the 'Coding Levels' configuration page. The left sidebar has a menu with 'Coding Levels' highlighted. The main content area shows a table with the following data:

Number	Name	Card Name	Sublevel to Coding Level	SIE Dimension
<input type="checkbox"/>				
<input type="checkbox"/>	2	Avdelning	Avdelning	50
<input type="checkbox"/>	3	Region	Region	30
<input type="checkbox"/>	4	Butik	Butik	40
<input type="checkbox"/>	5	Koncern	Koncern	

In context of import from an external system, this property is used to define which level the number sent in on the property *AccountNr* refers to.

## TimeTerminalId

The endpoint property *TimeTerminalId* corresponds to the field *Terminal ID number* that can be found at this location:

Staff > Settings > Terminals (open the dialog form of a terminal).

The screenshot shows the 'Terminal' form in the Staff application. The form is titled 'Terminal' and is part of a list of 22 terminals, with 'Terminal 14' selected. The form contains the following fields:

- Type \***: Attendance terminal (dropdown)
- Name \***: 14 (text input)
- Company ID number**: 18145 (text input)
- Terminal ID number**: 7255 (text input, highlighted with a red box)

Below the fields is a blue button with the text: "Enter the above values ??in the terminal during registration / login".

Below the form is a 'Settings' section with the following options:

- Home page (dropdown)
- Coding (dropdown)
- Punching (dropdown)
- Language and Time (button)
- Limitations (button)

At the bottom of the form, it says: "Created 5/19/25 11:22 AM by SoftOne (18784)".

## Accounts

The endpoint property *Accounts* is an array consisting of the above described *AccountNr* and *SieAccountDim* and is used when multiple levels are reported.

## TimeScheduleTypes

The endpoint property *TimeScheduleTypes* corresponds to the *Attendance time codes and Absence time codes*. The *TimeScheduleTypes* can be consider a way of “tagging” a specific allowance and deductions that in the end will affect the employee’s salary.

The list of attendance time codes can be found at this location:

*Staff > Settings > Time > Attendance time codes or Absence time codes*

Ac...	Code	Name	Description	Salary IDs
<input checked="" type="checkbox"/>				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Arbete inom schema	Arbete inom schema	Timlön
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Arbete utanför sch	Arbete utanför sch	Timlön
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ArbTidMånad	Arbetad tid vid månadslön	Arbetad tid vid månadslön
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Kontroll Övertid	Kontroll Övertid	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mertid	Mertid	Mertid
<input type="checkbox"/>	<input checked="" type="checkbox"/>	OB 100%	OB 100%	OB 100%
<input type="checkbox"/>	<input checked="" type="checkbox"/>	OB 50%	OB 50%	OB 50%
<input type="checkbox"/>	<input checked="" type="checkbox"/>	OB 70%	OB 70%	OB 70%
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tillägg inventering	Tillägg inventering	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid div 72	Övertid div 72	Övertid kvalificerad, betald
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid div 94	Övertid div 94	Övertid enkel, betald
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid komp 1,5	Övertid komp 1,5	Övertid kompsaldo, faktor 1,5
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid Komp 100%	Övertid Komp 100%	Övertid kompsaldo, faktor 2,0
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid komp 2,0	Övertid komp 2,0	Övertid kompsaldo, faktor 2,0
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid Komp 50%	Övertid Komp 50%	Övertid kompsaldo, faktor 1,5
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid Komp 70%	Övertid Komp 70%	Övertid kompsaldo, faktor 1,75
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid Pengar 100%	Övertid Pengar 100%	Övertid 100%, betald
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid Pengar 50%	Övertid Pengar 50%	Övertid 50%, betald
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Övertid Pengar 70%	Övertid Pengar 70%	Övertid 70%, betald

## Setting up time registration terminals and applications

This endpoint can be used for both *real time registrations* (i.e. punches) through customer's terminals, and for *retrospective reporting* (trust-based reporting) through external applications.

When the organization uses an "ordinary" application (rather than a set of time-stamping devices/terminals), this application must still be registered as a terminal in SoftOne GO.

