

TimeWriter Professional



Manual



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Introduction

TimeWriter allows you to quickly and efficiently register hours worked and allocate them to customers or projects. The easy Week grid lets you schedule hourly bookings/appointments. Hourly bookings can include multiple details. These can be predetermined data, but can also be free work descriptions. The reporting function can be used to produce clear overviews of hours worked over random time periods.

Apart from this basic functionality TimeWriter also offers functions for monitoring budgets, for performing leave administration and for approval of hourly bookings.

Unique TimeWriter Professional properties

Some of the unique properties of TimeWriter Professional include:

- Intended for use from (approx.) 25 up to a 1000 concurrent users.
- Simply create hourly bookings in the Week grid or the Fixed hours list.
- Online and Offline time recording.
- Clients for Android and iOS (iPad & iPhone).
- Maximum of 5 booking contexts.
- Enter data in user defined fields for master data and hourly bookings.
- Use of tariff agreements.
- Clear default reports and possibility to design own reports.
- Using groups. According to choice, rights can be assigned individually or based on groups.
- Module access. Assign access rights to modules (screens), per employee or employee group.
- Approval, managers can approve and lock time records.
- Terminology can be matched to that commonly used within the organisation.
- Local database, local server or cloud database.
- Enter hourly bookings via internet browser from anywhere. **
- Desktop clients for Windows and OS-X (Mac).

*** Only available using local server (if allowed by server and router) or cloud database.*

TimeWriter Professional

Multi-Platform

TimeWriter can be used via various platforms (Operating Systems).

There are full desktop clients for **Windows and OS X** (Mac). For other desktops (like **Linux**), the Web client can be used. **

For the **Android** and **iOS** platforms (iPad / iPhone) clients can be obtained from the existing App stores.

A TimeWriter license includes its use on all platforms.

Overview

Platform	Client type	Functionality
Windows	Native Desktop Client	Complete; administration, registration, reporting
OS X (Mac)	Native Desktop Client	Complete; administration, registration, reporting
Others such as Linux	Web Client (from a Web browser)	Registration, reporting **
Android	Native mobile Client	Registration
iOS (iPad / iPhone)	Native mobile Client	Registration

*** Only in combination with a cloud database.*

Installation

You can install TimeWriter Professional on your computer or file server by using the installation wizard. Download the latest version from <https://www.timewriter.com/download/>. The wizard will guide your installation process to ensure that the files go to the desired location.

It is preferable that you do not place the program in your C:\Program files\ folder. If you do, Windows will write the data onto an unpredictable location, which makes it difficult if the software should need to be transferred to another location at some other stage.

If you choose the default settings, all files will go to the C:\TimeWriterV5-Pro\ folder.

You will find the following programs in the installation folder:

Program	Aim
\client\twClientPro	<ul style="list-style-type: none"> Managing master data. Setting up system settings. Hour registration. Generating reports. <p>Parts of the application can be switched on or off by setting program module access.</p>
\control\ControlPanelPro	<ul style="list-style-type: none"> Setting up local database / local server / cloud database. Create / restore backup. Conversion of old TimeWriter version. Update check. Send files to support service. Manage tasks. <p>Program operations are explained in the ControlPanelPro chapter.</p>
\report\twReportPro	This program can be used if you only want to use the reporting function.
\server\twLocalServer	This application can be used to start a local server as an application instead of an windows service.
\lib\twControlService.exe	Using this application the TimeWriter application service can be controlled.

Files needed for listed programs are stored in the following folders:

Folder	Aim
\data\	<ul style="list-style-type: none"> TimeWriter database. **
\data\xso_pro\default\backup\	<ul style="list-style-type: none"> Backup files created with ControlPanelPro are stored in this folder. **
\lib\	<ul style="list-style-type: none"> Various libraries required by the different programs.

TimeWriter Professional

*** If a cloud database is to be used, the database will be located at an internet location and this folder will not be used to store the new hour bookings*

Local server installation

Download a full installation from <http://www.timewriter.com/download>.

- After the installation start **\control\ControlPanelPro** to setup a database. Go to **Manage database**, then **Set up database**.
- Choose **Local server**, and press the **Manual** button. Enter the **name or IP address** of the server.
- Make sure there is a license using 1 of the following options:
 1. You can generate a demo license.
 2. You can get a free evaluation license.
 3. You can install an existing license (for existing TimeWriter users for example)
- After this, TimeWriter can be installed as a windows service. Therefore use the application: **\lib\TwControlService.exe**.
- You can start **\client\twClientPro** when the service is running.

It is possible to let all users use the application **\client\twClientPro** from a network share, but you can also install the client on a local desktop. Read all about it in the next chapter: Local client installation.

Local client installation

When you use your own **local server** or our **cloud server**, then you can install a smaller local client which contains only the application parts needed for daily use.

When you use your own **local server** download the local client installer from

http://your_server/localclient (your_server must be the name or ip address of your local server)

When you use our **cloud server** download the local client installer from

<http://pro.cloud.timewriter.nl/localclient>.

The installation wizard will guide your installation process to ensure that the files go to the desired location.

After the installation is completed the application will start and show you a configure database dialog. Choose the desired option (Local server or Cloud server). Using the **Automatic** button you can acquire the settings from other running TimeWriter applications within the same network. If this fails you should complete the settings using the **Manual** button.

Local database, Local server or Cloud database

TimeWriter works with a local database, a local server or a cloud database. You can manage the database set up from [Control Panel | Manage database | Set up database](#), or by choosing menu option **File | Reconfigure database**.

An explanation of how this works follows below.

Local database

- The local database is located on your own computer or within the same network. This is a trusted internal location and is typically not accessible from outside of the local network.
- It is only possible to work with the desktop client.
- Optimal performance. Speed of reading and writing from the database does not depend on an internet connection.

Local server

- The database and server application are located on an own server. This is a trusted location and is typically not accessible from the outside.
- It is possible to work with the desktop client.
- Creating and modifying bookings and viewing of reports can be done via a Web browser (if allowed by server and router).
- Regular backups will be run on the server.
- Optimal performance. Speed of reading and writing from the database does not depend on an internet connection.

Cloud database

- The cloud database is located on an internet server (<http://pro.cloud.timewriter.nl/>).
- It is possible to work with the desktop client.
- Creating and modifying bookings and viewing of reports can be done via a Web browser.
- Regular backups will be run on the server.
- Speed of reading and writing from the database is dependent on an internet connection.

If you want to use TimeWriter on **both** Windows and Mac OS X, the best option is to put the database in the cloud or on a local server.

N.B.: For communication with the server in the cloud, a **TCP/IP** connection will be set up to **pro.cloud.timewriter.nl** on port **9093**.

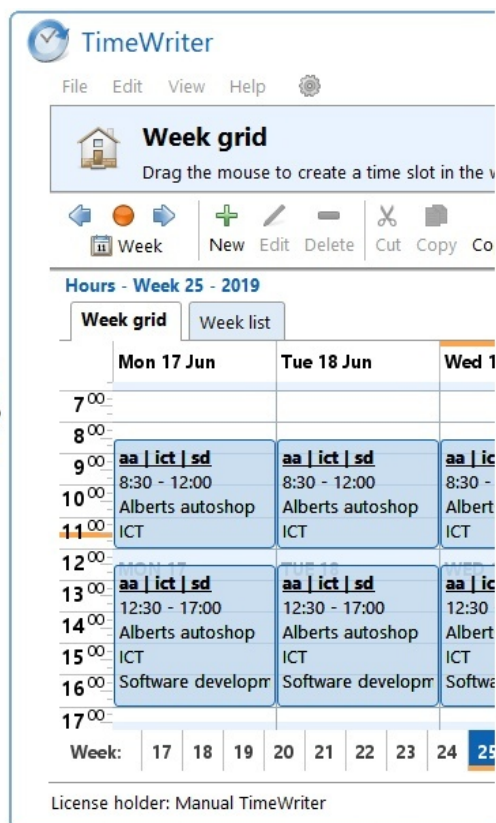
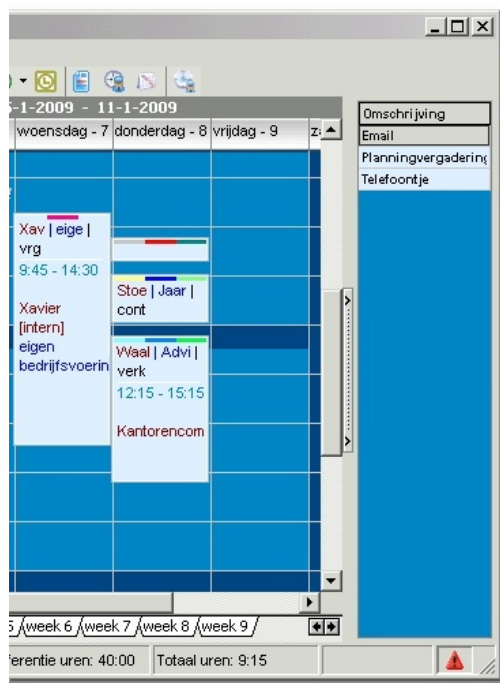
Migration

To migrate from a previous version of TimeWriter Pro V1.x perform the following steps:

- [Download the new software](#)
- [Install the new software](#)
- Copy the license from the old environment to the new environment
(*TimeWriterPro\twAppSrv\twriterpro.lic* -> *TimeWriterV5\lib\twriterpro.lic*)
- [Select a database configuration](#)
- [Import data from old environment](#)

Transferring data (existing TimeWriter users)

Do you want to transfer an older version of TimeWriter to this new TimeWriter version? You can do this via the [Control Panel | Import from old/other TimeWriter database.](#)



Proxy settings

The TimeWriter desktop application sometimes queries our web server to:

- Check for updates.
- Download an update.
- Request or renew a license.
- Send an error report.
- Send a database to XSO support (in case of a problem).

Sometimes this network traffic must be passed through a proxy server. During the installation of TimeWriter the use of a proxy server can be set up. These settings then will be used by TimeWriter afterward.

When you afterward need to change the proxy settings, you can do so by editing the file **/lib/timewriter.ini**.

The file contains the following proxy settings:

```
[HttpTimeWriterProxyServer]
```

```
#host = The IP-address or server name of the proxy server.
```

```
host =
```

```
#port = The port number of the proxy server.
```

```
port =
```

```
#username = If authentication is required you can setup the user name here.
```

```
username =
```

```
#password = The associated password can be setup here. You can write the password in plain, readable text. When TimeWriter uses this password, it will encrypt it.
```

```
password =
```

Terminology

This manual and the application will use terms/words that may require some explanation. You will find a list of some of these terms/words together with an explanation below.

Archive

An archive is a copy of a TimeWriter administration. An archive can be created via the **\control\ControlPanelPro program**. (see [Archive database](#)). An existing archive can be opened in TimeWriter by choosing menu option: **File | Open archive**. In the status bar you will see **red** text appear in the left bottom corner with the archive title that is currently open. The open archive can be edited in the same way as the main (Default) administration.

Aspect

An aspect is master data that can be used to create hour bookings. Aspects can be given a name so that it fits in with terminology used within your organisation, such as Customer, Product, Project, Activity and Phase.

Browser

see [Web browser](#).

Cloud database

Is a database located on the internet. See [Local database, Local server or Cloud database](#) for more information.

Database

A file which stores all data, may also be called Administration.

File server

A computer within a network onto which files can be stored.

Local database

A database on your own computer or within a local network. See [Local database, Local server or Cloud database](#) for further information.

Local server

The database and the server application on an own server. See [Local database, Local server or Cloud database](#) for further information.

Modules

Modules are parts of the application and each module has its own functionality.

Time slot

A time slot is a period within a day between two set times.

Web browser

A program used to view pages on the internet, such as Internet Explorer, Google Chrome, Mozilla Firefox, and Safari.

URL

A URL is a structured name that refers to a piece of data, such as an internet address.

User defined fields

User-defined fields can be used to attach additional information to aspects and hour bookings. TimeWriter Professional includes an unlimited number of user fields. For these user-defined fields, names can be set up, whether or not a field is mandatory and some type-dependent settings of how user field data should be displayed.

Modules

The program for daily use of TimeWriter is **\client\twClientPro**. twClientPro is subdivided into different modules. TimeWriter starts up in the **Module explorer**. A module will appear by clicking on its name/title.



Access to the modules can be set for each employee (or employee group) per module in [Master data | Employee](#) on the **Application modules** tab. This module explorer only shows the modules that one has access to.

The Module explorer can be brought to the front again by clicking on the **Home** button:



Input



See also www.timewriter.com/support/video for instruction video's how to create hourly bookings.

Hours can be entered in 3 different ways:

- via the Week grid
- via the Week list
- via the Fixed hours list

All three ways are described in this chapter.

Work offline

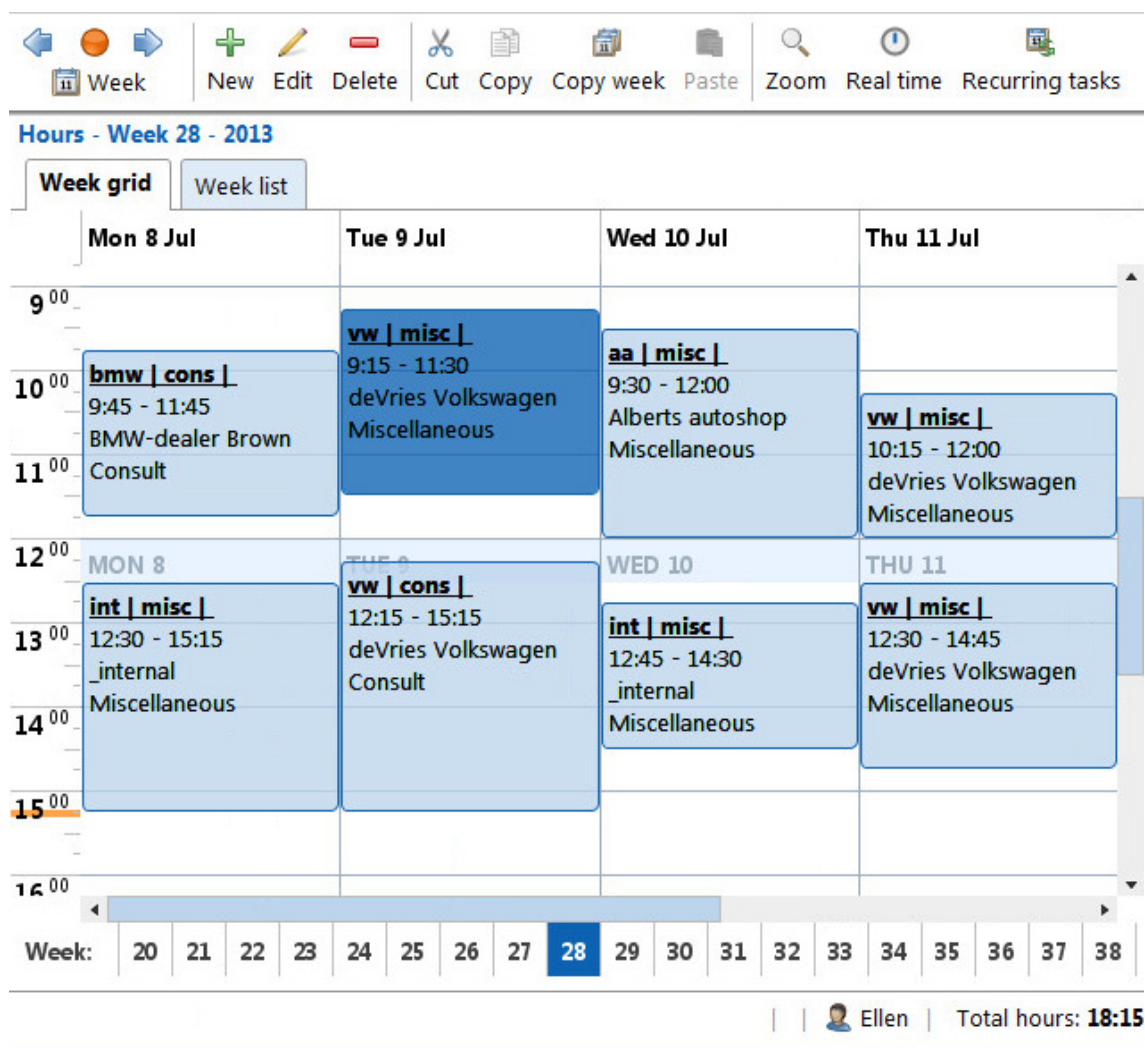
In TimeWriter Professional it is possible to work offline. This can be activated by setting the work offline checkbox of menu option **File | Work offline**. When working offline only the above mentioned input options are available in the client. Access to all other program modules is blocked. After deactivating working offline, the online database will be updated with the offline entered data and also all other program modules are available again.

Week grid



See also www.timewriter.com/support/video for instruction video's how to create hourly bookings.

The current week is shown by default on starting up the program. The left hand side shows the hours of the day, the days of the week are at the top, and at the bottom you will find the numbers of the week. The current time, day and week are highlighted in orange. The status bar at the bottom shows the total hours of the current week.



The buttons have the following functions:

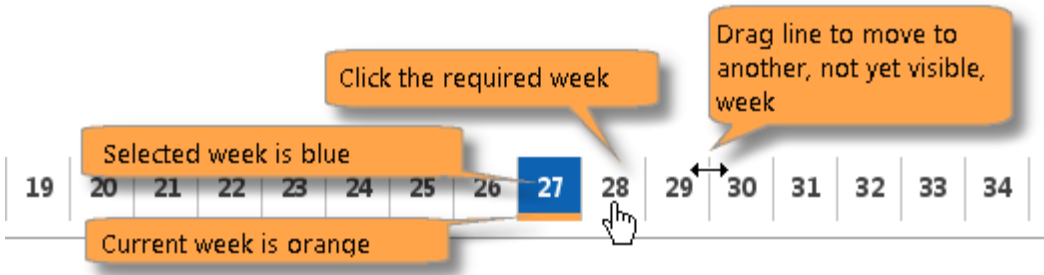
Button(s)	Keyboard	Function
		Navigate to previous week.
		Navigate to current week.
		Navigate to the next week.
Week		Navigate to a random week via a calendar (popup).

	New	Insert	Make a new appointment/booking (for the current day, directly following any previously entered booking).
	Edit	Ctrl + Enter	Edit the selected booking.
	Delete	Delete	Delete the selected booking.
	Cut	Ctrl + X	Cut the selected booking. Remove the booking and store it in memory so it can be pasted (into another week).
	Copy	Ctrl + C	Copy the selected booking(s). Store the selected booking(s) in memory (see Copying a time slot).
	Copy week	Ctrl + W	Copy all booking in current week to another week.
	Paste	Ctrl + V	Paste the booking(s) from memory.
	Zoom		Use this button to set the zoom level of the Week grid.
	Real time		Use this button to start a stopwatch to record the time used for a task in progress. After stopping the stopwatch the recorded time will be registered.
	Search	Ctrl + F	Search for bookings in the complete history.
	Recurring tasks		Use this button to add and manage recurring tasks.
	Validate		Validate mobile bookings. If there are bookings to validate, the button will show the number of bookings to validate.
	Calendars		Set the properties of external calendars for linking with TimeWriter (see Link calendars)

Select another week

You can navigate to another week in various ways:

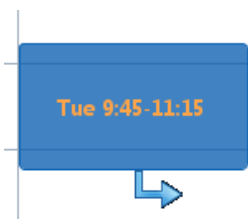
- 1. Via the toolbar buttons (see [buttons and functions](#)).
- 2. Via the week navigator below in the Week grid.




Creating a new time slot in the Week grid

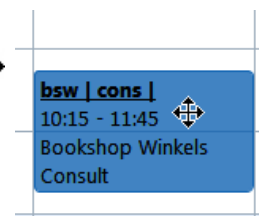
Create a new time slot as follows:


1. Select the week you need.
2. Click on the starting time (and day) in the Week grid. Keep the mouse clicked and drag to the end time you need.
3. By moving the mouse to the right, you can select more days in one go. A separate booking will be made for each day.
4. Release the mouse at the end time that you need.
5. A new window will appear. The date and times will be entered automatically.
6. Enter the rest of the relevant details (see [Time slot details](#)).
7. Click on Save.

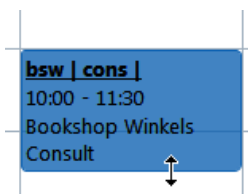


Editing a time slot in the Week grid

Time slots can simply be adjusted within selected weeks. They can be moved by hovering the mouse over them; when the cursor changes to  the time slot can be moved. Click on the time slot and drag it to the required time. This can also be done to another day of the week.



Time slots can also be shortened or lengthened. By hovering over the top- or bottom line, the cursor will change to . Then click the mouse and drag it to the time you want.



Copying a time slot

Within the current week, 1 time slot can be copied by keeping the [Ctrl] key pressed and left clicking the mouse on a time slot. Then just drag this time slot to its new location.

When using [Ctrl] + right click instead [Ctrl] + left click, after dragging the time slot, you will be presented with a dialog asking if you want to Copy or Move the time slot.

Copying can also be done by using the **Copy** button:

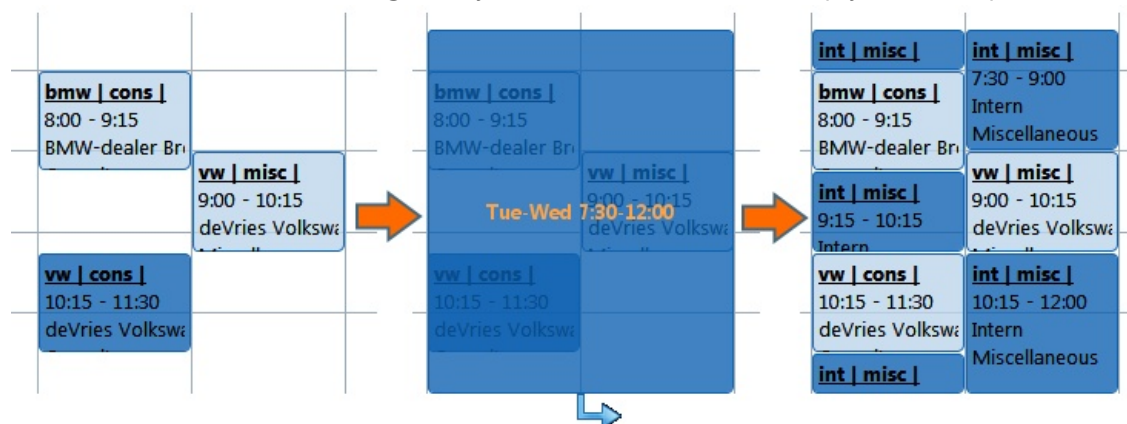
1. Select / highlight the time slots to be copied and click on **Copy**.
2. Go to the week into which the time slot needs to be pasted.
3. Click on **Paste** to enter the time slots into a new location.
4. The pasted bookings will be created on the same time and day of the week as the original bookings and may overlap with existing bookings. (see [Overlapping bookings](#)).

To use the keyboard for **Copying and Pasting**, use the [Ctrl]+[C] and [Ctrl]+[V] key combinations respectively.

Filling in gaps

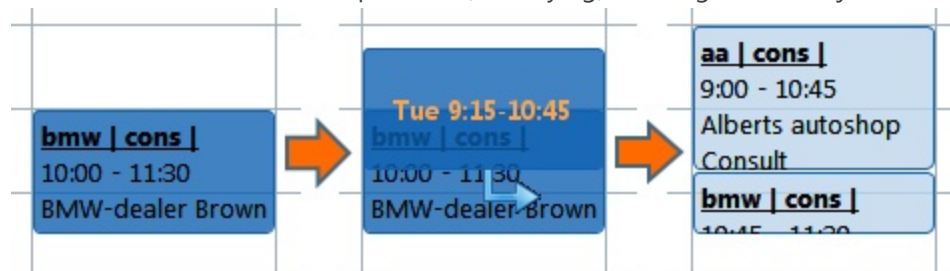
You can fill in gaps in the week quickly by:

1. Dragging a time slot across the existing ones.
2. Filling in the relevant details and clicking on Save.
3. TimeWriter will create bookings with your entered details for all empty time slot spaces.



Overwriting a time slot

It is possible to overwrite one or more existing time slots with a new one. Hold the [Shift] key and create a new time slot by using the mouse. When you release the mouse and you have filled in the data for the new time slot the previous (underlying) bookings will be adjusted or removed.



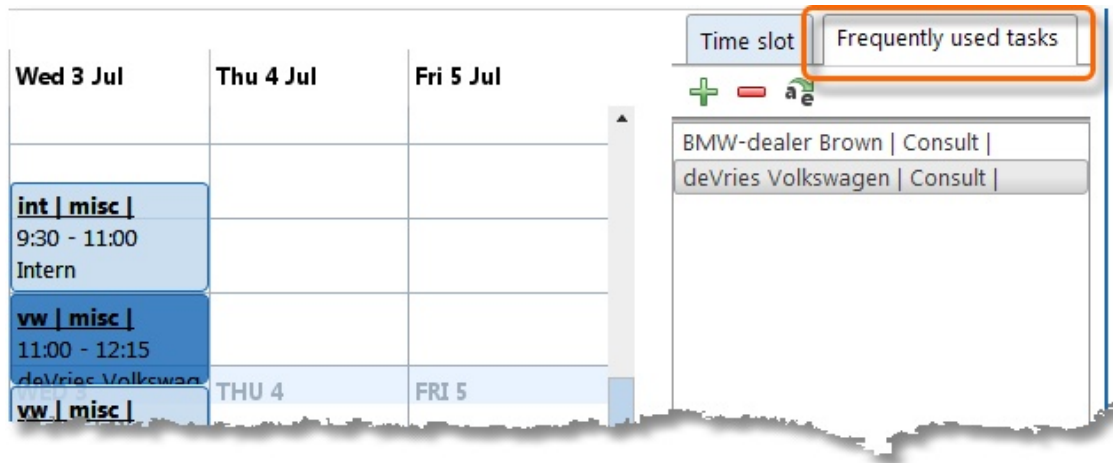
Overlapping bookings

Any overlapping bookings will be visible in the Week grid. These overlaps will be highlighted in **red**. These can be adjusted by simply changing one or both of them. See [Editing a time slot in the Week grid](#) for how to do this.




Frequently used tasks

It is possible to create frequently used tasks for time slots that are commonly expected to recur. To do this, open the **Frequently used tasks** tab, located to the right of the Week grid.




Creating a new frequently used task

1. Select a time slot in the Week grid and click on  on the frequently used tasks tab.
or: Select a time slot in the Week grid, keep the mouse clicked and drag the selected time slot to the frequently used tasks tab.
2. A window will appear for you to enter details about the frequently used task.

Placing frequently used task into the Week grid

1. Select the frequently used task from the list.
2. Keeping the mouse clicked, drag the selected task to the required location in the Week grid.
3. If necessary, edit the required details in the opened time slot window and save them.

A frequently used task can be given a useful name by clicking on .

To delete frequently used tasks from the list, use the  button.

Time slot details

Every hourly booking always falls within a time slot on one day and only includes a number of recognisable characteristics such as Date, From, To, Role, Aspects (see Customer, Product and Activity in example below) and possibly also extra details under User fields, such as Remark and Number.

Time slot data

Time slot

☐ Don't book on break

Date: Tue 16-07-2013

From: 10:00

To: 12:00

Duration: 2:00

Aspects

Role: Administration

Customer: Alberts autoshop

Product: ICT

Activity: Software development

User fields

Remark: Installation


Number: 1

Save

Cancel

Date	Used to select a day of the week.
From / To	Used to change start- and end times of hourly bookings. The arrow keys can be used to increase or decrease the time slot by minimum time units. Times can also be entered by using the keyboard.
Duration	<div>Duration equals the difference between the start- and end times. Duration is calculated automatically if start and / or end times change. It is also possible to alter start- and end times and in this case the new durations will also be calculated automatically.</div> <div>TIP: You can also use the Ctrl+ and Ctrl- keys to set the duration from anywhere in this window.</div>
Role	The role (group) must be set when an employee is a member of one or more groups which can be applied to authorisations.
Aspects	Used to enter the previously entered aspects. Click on the arrow button to open the list and select the required aspect.

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(e.g. Customer, Product and Activity)	TIP: It is possible to type in text here. The list will then be limited to those aspects that contain typed in text.
Remark	User field: Use this to type in free text, for example the type of work done. Use the  button to open an editor window for entering multiple lines.
Number	User field: Use this to enter a number, for example the travelled distance.

Excluding breaks

If a time slot includes a break, this 'tick' option will allow the time slot to include or exclude the break time period. When it is ticked, the time slot can be divided or shortened to reflect the preset break periods.

The 'tick' option used to exclude breaks will be activated automatically when 'Do not book on lunch break' is activated in **Maintenance and settings | Settings | Week grid** when making bookings and the time slot covers a break period.

Reset

The Aspects and User fields categories both contain a button . Click this button to respectively reset (delete) any of the previously entered aspect or user field data.

Information

Once a time slot has been saved all of its details can be checked from within the Week grid. Time slot details for selected hourly bookings will be shown on the right. Additional information that is shown here includes:

Overhead	If overhead is ticked for one of the aspects, the hourly booking will also become overhead.
Tariff	This shows the calculated tariff together with the name of the Tariff agreement that applies to the hourly booking.
Approval level	This shows until which level the hourly booking is approved.

Travel costs

Enter the distance and ride data at the time slot data.

Time slot data ? □ ×

Time slot

Date: Thu 29-08-2019 ▾

From: 9:00 ▲ ▾

To: 12:00 ▲ ▾

Duration: 3:00 ▲ ▾

Aspects ⓘ

Customer: deVries Volkswagen ▾

Product: Software ▾

Activity: Software development ▾

Travel costs ▲

Distance: 16,00

Ride: London - Heathrow

User fields ⓘ

Remark: ...

Number: 0

TIP: In the editor you can collapse the category Travel costs with the ▲ button to save some space. The collapsed or expanded state of the category will be saved. The information panel of the week grid and week list will follow these setting (except when there is data, then the category data is always shown).

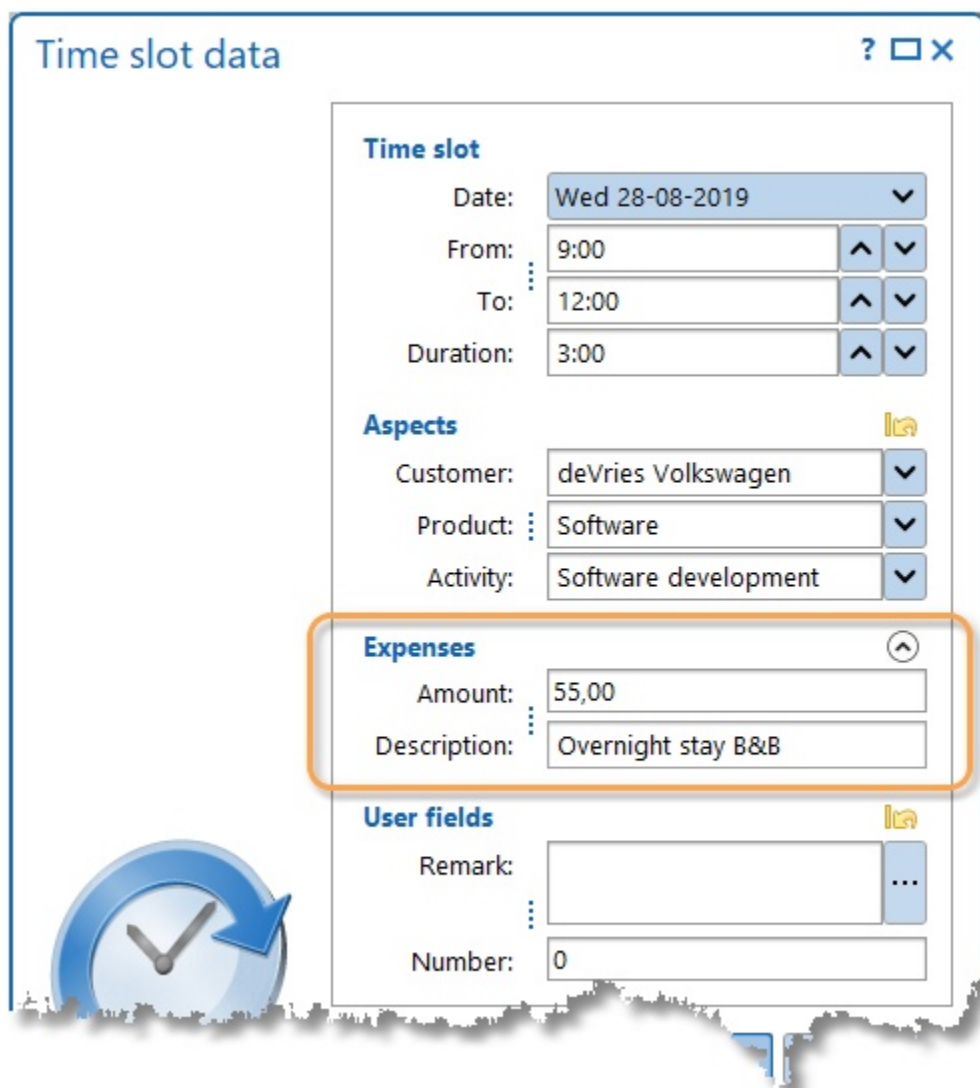
Under **Maintenance and settings | Fields** can be set at the Hours aspect if travel costs are to be registered.

Under **Invoicing | Settings | Invoicing** can be set if travel costs should also be invoiced.

Travel costs tariffs can be entered under **Master data | Tariff agreements** on the **Travel costs tariffs** tab.

Expenses

Enter the expenses amount and description at the time slot data.



Time slot data ? □ X

Time slot

Date: Wed 28-08-2019

From: 9:00

To: 12:00

Duration: 3:00

Aspects

Customer: deVries Volkswagen

Product: Software

Activity: Software development

Expenses


Amount: 55,00

Description: Overnight stay B&B

User fields

Remark:

Number: 0

TIP: In the editor you can collapse the category Expenses with the  button to save some space. The collapsed or expanded state of the category will be saved. The information panel of the week grid and week list will follow these setting (except when there is data, then the category data is always shown).

Under **Maintenance and settings | Fields** can be set at the Hours aspect if expenses are to be registered.

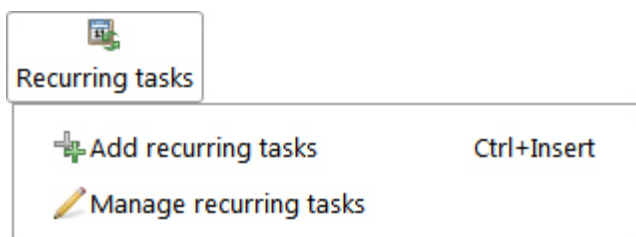
Under **Invoicing | Settings | Invoicing** can be set if expenses should also be invoiced.

Recurring tasks

In TimeWriter it is possible to create weekly recurring tasks. This recurring tasks option is only an aid to create hourly bookings in a every new week. The recurring tasks will not appear in the reports and will not be count in the week total, until they are added to the selected week. They are no real bookings yet.

Manage recurring tasks

Go to the weekgrid for creating and editing recurring tasks and click on the button **Manage recurring tasks**.



In a new window you can define the recurring tasks, as they must recur every week (just like in the weekgrid).

Add recurring tasks

If the current week does not have any booking yet, TimeWriter will suggest to add the recurring tasks. It is also possible to at the recurring tasks at any time by pressing the **Add recurring tasks** button.

Link calendars

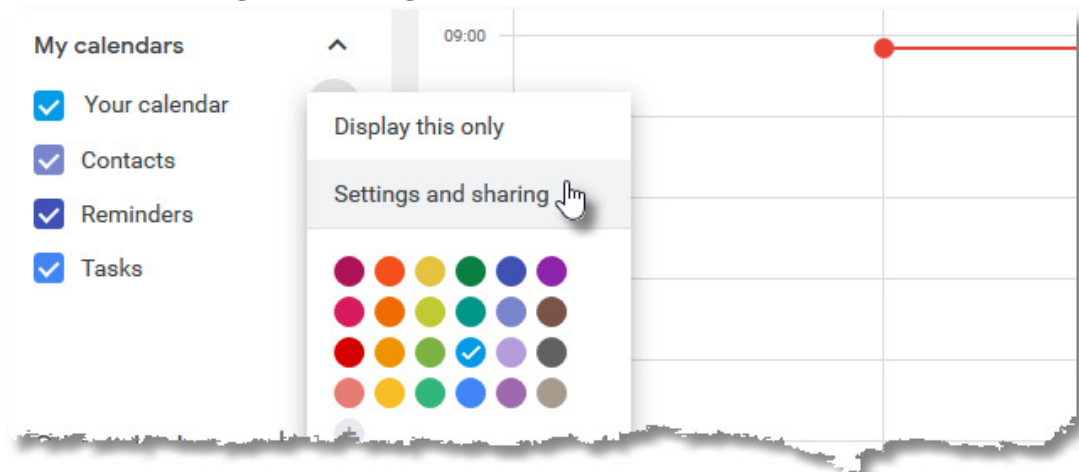
If you use an online calendar, like Google calendar or Outlook calendar, then you can link to it in TimeWriter. The appointments will be displayed in the week grid. An appointments can be created as an hour booking in TimeWriter with just one right mouse button click.

There are a lot of online calendars. Most will have an option to share the calendar using an internet address. In most cases, the address ends with `.ics`, `.ical`, `.ifb` or `.icalendar`, or it starts with `webcal://`.

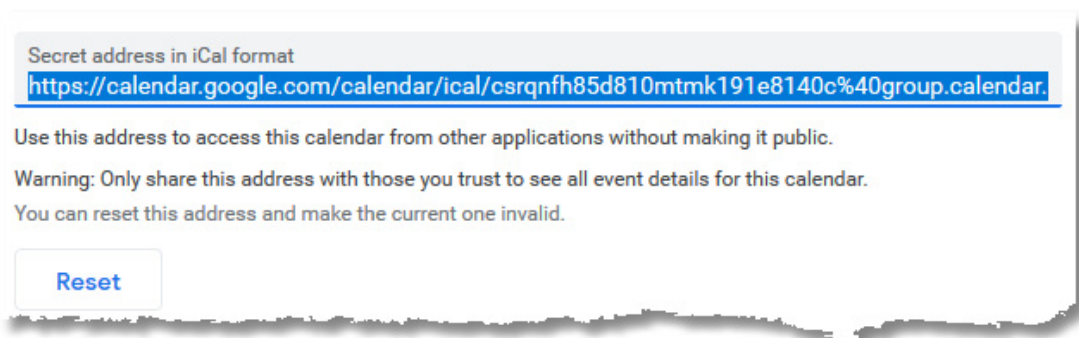
Google calendar example

This example shows how to link to a Google calendar in TimeWriter.

1. Go to <https://calendar.google.com> (Google calendar sharing can only be done via the web client, not by using the app)
2. Go to **My calendars** and click on the dots at the right side of the calendar which has to be linked.
3. Then click on **Settings and sharing**, like this:



4. Go to the section **Secret address in iCal format** (on the bottom of the page) and copy the internet address.



5. Go to the **week grid** in TimeWriter and click on
6. Create a new calendar link. Paste the copied internet address in the **URL** field.

Properties

Name: Google calendar

URL: <https://calendar.google.com/calendar/ical/csrqnfh85d810mtmk191e8140c%40group>

Color: 244, 67, 54

In use: ☒

Take value over from appointment to user field of hour booking

Title:

Location:

Description: Activities

Save Cancel

7. Data from the calendar appointment can be transferred over to a user field of an hour booking. Here you can setup which field value should be transferred.

Calendar appointment to TimeWriter

A calendar appointment will be displayed in the week grid of TimeWriter. Click on the right mouse button to create the appointment as an hour booking in TimeWriter.

12⁰⁰ MON 18 WED 20 THU 21 FRI 22

13⁰⁰ bsw | man |

14⁰⁰ 13:00 - 14:45 Bookshop Winkels

15⁰⁰

16⁰⁰ Meeting BMW Bruinsma

17⁰⁰

18⁰⁰

19⁰⁰

20⁰⁰

21⁰⁰

22⁰⁰

Week: 37 38

+ Create appointment as hour booking in TimeWriter

Calendar appointment

Calendar: Google calendar

Title: Meeting BMW Bruinsma

Date: 18-11-2019

From: 15:30

To: 17:00

Duration: 1:30

Location: BMW Bruinsma

Description: Discuss about installing new software

32 >>

Week list

As an alternative for the week grid you can enter bookings by using the week list. The week list is particularly suitable when you have to enter a lot of short hour bookings. The size of the time slots in the week list are of fixed size and not dependent on the duration of the hour booking. As a result you will still have a good overview when there are lots of bookings visible.

Week
New
Edit
Delete
Cut
Copy
Paste
Zoom
Real time

Hours - Week 28 - 2013

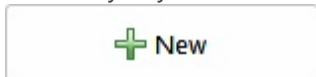
Week grid
Week list

Mon 8 Jul	Tue 9 Jul	Wed 10 Jul	Thu 11 Jul												
9:45 - 11:45 BMW-dealer Brown Consult	9:15 - 11:30 deVries Volkswagen Miscellaneous	9:30 - 12:00 Alberts autoshop Miscellaneous	10:15 - 12:00 deVries Volkswagen Miscellaneous												
12:30 - 15:15 Intern Miscellaneous	12:15 - 15:15 deVries Volkswagen Consult	12:45 - 14:30 Intern Miscellaneous	12:30 - 14:45 deVries Volkswagen Miscellaneous												
New	New	New	New												
<div> </div>															
Week: 20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

Demo | Total hours: **18:15**

Functionality of the buttons in the button bar is the same as in the week grid.

In the week list you can **not** create or edit bookings by creating, increasing or decreasing a time slot. Every day column contains, below any existing bookings, a button



. With this button you can create a new booking for the day concerned, directly following any bookings previously made. Editing of an hour booking can be done by using the Edit button or by double clicking the hour booking.

Moving or copying of hour bookings can be done in the same way as in the week grid. When doing so, pay attention to the time entries. The application will try to automatically edit the bookings in the best possible way, based on any previously made bookings and the available free time slots.

Fixed hours list



See also www.timewriter.com/support/video for instruction video's how to create hourly bookings.

The fixed hours list is an alternative option for filling in Week grid hours. This list only maintains completed hours and not start- and end times. Time slots are booked automatically from the start time of the working day. The fixed hours list shows unique aspect combinations based on bookings in previous weeks, expanded with favorites data. The standard for this function is to go back one week retrospectively. If you need a longer period, you can go to [Personal settings](#). You can also use this setting to determine how you wish times to be shown; as time in hours and minutes, or as decimal hours.

The cross over point of the aspect combination and the day shows the number of hours booked for this aspect combination. The selected cell at this point is clearly displayed with a blue border. For this selected cell (hours booking) the user-defined fields are shown at the bottom of the screen.

Entering of certain cells can be disabled when, due to changed settings, combinations of aspects as shown in the fixed hour list have become invalid.

Navigation to another week can be done in the same way as for the [Week grid](#).

Week New Copy week Real time

Hours - Week 28 - 2013

Drag columns here to group				Mon 8 Jul	Tue 9 Jul	Wed 10 Jul	Thu 11 Jul	Fri 12 Jul	Week total	Favorite
Real time	Customer	Product	...							
	BMW-dealer Brown	Consult		2:00					2:00	<input type="checkbox"/>
	_internal	Miscellaneous		2:45		1:45			4:30	<input type="checkbox"/>
	deVries Volkswag...	Miscellaneous			2:15		4:00		6:15	<input type="checkbox"/>
	deVries Volkswag...	Consult			3:00				3:00	<input type="checkbox"/>
	Alberts autoshop	Miscellaneous				2:30			2:30	<input type="checkbox"/>
				4:45	5:15	4:15	4:00		18:15	

User fields

Remark:

Advice on ..




Number:

20

Week:
20
21
22
23
24
25
26
27
28
29
30
31
32
33
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39
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41
42
43
44

N.B.: Because the fixed hours list does not have start- and end times, multiple bookings with the same aspect combinations and those booked on the same day will be combined.

The buttons have the following functions:

Button(s)	Function
 New	Make a new appointment/booking (for the current day, directly following any previously entered booking).
 Copy week	Copy all booking in current week to another week.
 Real time	Use this button to start a stopwatch to record the time used for a task in progress. After stopping the stopwatch the recorded time will be registered.

Booking hours

There is a column for each day of the week and a row for every combination of aspects on which you can create bookings. At crossover points the completed hours can be entered.


Hour display

Depending on [Personal settings](#) times can be displayed as time in minutes or decimal hours. A combination of entry modes is possible. Imagine that the display is set up as 'Minutes' and you want to enter times as 'Decimal times'. It is possible to enter 1.5 or 1:30 and both will be shown as 90.



Marking aspect combination as favorite

By activating the 'tick' for the required aspect combination in the **Favorites** column, you will ensure that this combination will always appear in the fixed hours list, even if there are no bookings for this combination yet.

Searching

Typing text into the text box  above the list, will limit the list to those aspect combinations that correspond to the typed in text.

Selecting columns

If you never enter hours for Saturdays and Sundays for instance, you can hide these columns via the column chooser. Click on  next to the search text box and next, click on the  **Column chooser** button in the opened menu. Remove the ticks next to the columns that you need to be hidden. Note that hours booked on the days being hidden **will** be added to the weekly total.

Tasks

In this module you can manage task groups and add or edit tasks.

Depending on the application module access employees can:

Employees with access to the module Tasks can:

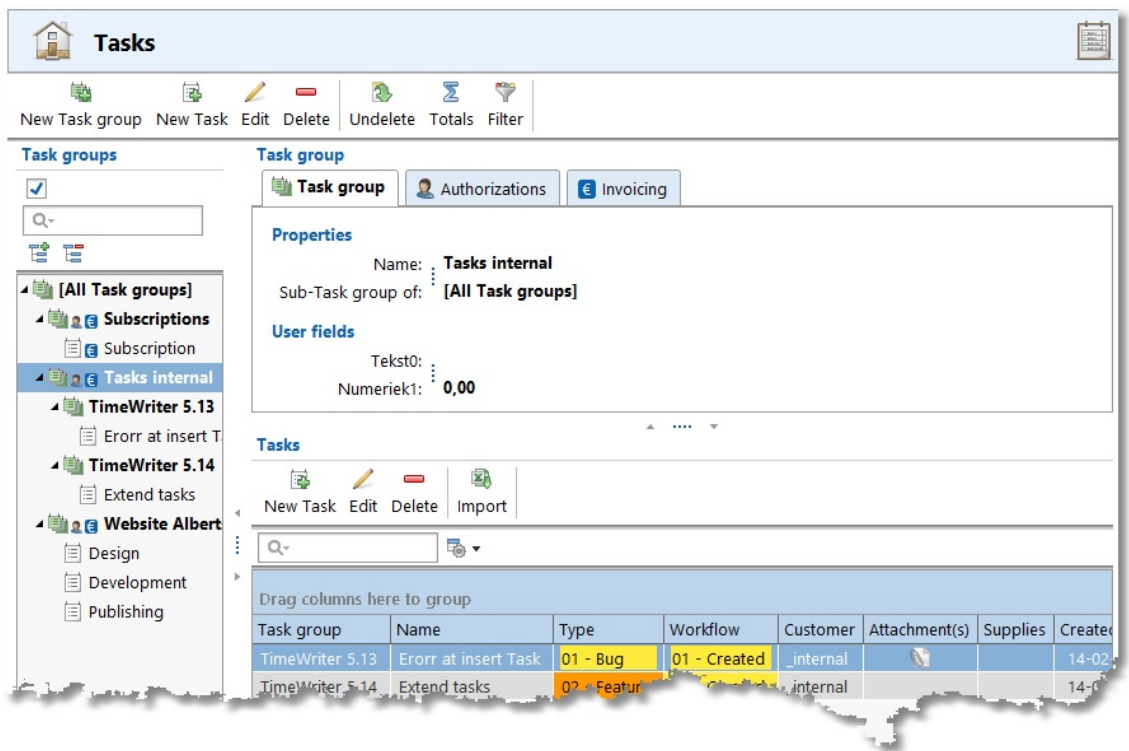
- See and edit tasks where he/she is authorized for.
- Close tasks.

Employees with access to the module 'Task groups managing' can also:

- Create, edit and delete task groups and tasks.
- Authorize employees.
- Setup task groups and tasks for invoicing.

Task and **Task groups** are the default names. If preferred they can be given a more suitable new name, corresponding with the terminology used within your organisation. See **Maintenance and settings | Fields**. In this manual **Tasks** and **Task groups** will be used.

On the left side is a list of **Task groups** (bold) with the attached tasks (not bold and optional). On the right side are the properties of the selected task (group).



Manage task groups

If an employee is set to tasks groups managing, the employee can manage task groups.

The name and parent task group can be set at the first tab page. A number of user fields can be set up at [Maintenance and settings | Fields](#). These can be entered here per task group. Data entered in user fields can also be used in reports.

The screenshot shows the 'Task group' tab with three sub-tabs: 'Task group', 'Authorizations', and 'Invoicing'. The 'Task group' sub-tab is active, displaying the following fields:

- Properties**
 - Name: Website Alberts autoshop
 - Sub-Task group of: [All Task groups] (dropdown menu)
- User fields**
 - Tekst0: (text input field)
 - Numeriek1: 0,00 (numeric input field)

Authorizations

Authorizations can be set at the tab page authorizations. Only the employees set on this tab page can see the attached tasks and select the tasks when creating an hour booking.

The screenshot shows the 'Authorizations' tab with two sub-tabs: 'Obtain authorizations' and 'Use authorizations'. The 'Use authorizations' sub-tab is active and highlighted with an orange border. It displays the following fields:

- Obtain authorizations**
 - From Task group: <not available>
 - Search bar: Q-
 - Table with columns: Ty..., Name
- Use authorizations**
 - From Task group: Website Alberts autoshop
 - Available Employees table:

...	Name
	Administrator
	Demo
	Ellen
	Fred
 - Selected Employees table:

...	Name
	[All Employees]

Every task group can set its own authorizations or obtain them from its parent task group. Use the arrow buttons or drag items to selected employees.

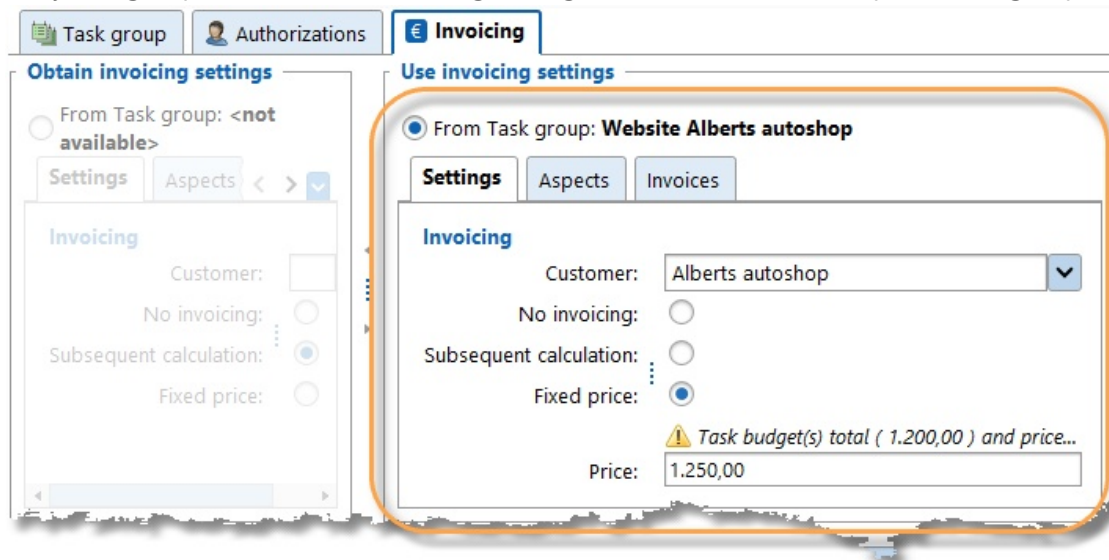
If you don't want to use authorizations at all, it can be disabled this at [Maintenance and settings | Settings | Authorizations and Combinations](#).

Invoicing

At the tab page **Invoicing** you can set how the tasks have to be invoiced.

Settings

Every task group can set its own invoicing-settings or obtain them from its parent task group.



The following invoicing types are available:

Invoicing type	Explanation
No invoicing	Don't invoice the attached tasks.
Subsequent calculation	Invoice the hours booked on the attached tasks following the tariff agreement.
Fixed price	Invoice the attached tasks at a fixed price. A budget can be set per task. The sum of all the budgets attached to this task group must be the same as this price. Note: Only tasks with a budget and set to invoiceable will be invoiced.
Recurring (only at task level)	Tasks can be invoiced with a recurring pattern, task groups can not.

Aspects

A customer is mandatory if the tasks must be invoiced. At the tab page **Aspects** also the other aspects can be set. These aspects will be automatically used when creating an hour booking.

Invoices

Invoices created for this task group are displayed at the tab page **Invoices**.

Manage/edit tasks

The tasks properties can be edited at the first tab page.

Task Authorizations Invoicing Supplies Attachments

Properties

Name: Development

Task group: Website Alberts autoshop ...

Closed: ☐

Invoicing

Invoiceable: ☐

Budget: 600,00

User fields

Type: 2 Feature

Workflow: 1 Created

Tekst0: ...

Numeriek1: 0,00

Description

Here you can describe the task comprehensively.

You can style the text like **this** and this:

1. line 1

2. line 2

Name	Short description of the task.
Task group	The parent task group.
Closed	If a task is finished, it can be closed. A closed task will not be shown anymore when creating an hour booking.
Invoiceable	Tick this box when the task must be invoiced (Only available when invoicing is set to fixed price).
Budget	At fixed price: The value of the task for invoicing. Else: Give it a value for comparing at the reports.

User fields	<p>A number of user fields can be set up at Maintenance and settings Fields. These can then be filled in here per task. Data entered in user fields can also be used in reports.</p> <p>Type and Workflow are fixed user fields of Tasks. These fields can be used to classify tasks by choosing an item from a configurable list.</p>
Description	<p>At the bottom there is a big text field where the task can be described comprehensively.</p>

Authorizations

The authorization tab page is only available if an employee is set to task groups managing. Authorizations can be set at the tab page authorizations. Only the employees set on this tab page can see the attached tasks and select the tasks when creating an hour booking.

The screenshot displays the 'Authorizations' tab in the software. At the top, there are navigation buttons for 'Task', 'Authorizations' (which is active), 'Invoicing', 'Supplies', and 'Attachments'. Below these, the 'Obtain authorizations' section is highlighted with an orange box. It contains a radio button selected for 'From Task group: Website' with the task 'Alberts autoshop'. Below this is a search bar and a table with columns 'Ty...' and 'Name', containing the entry '[All Employees]'. The 'Use authorizations' section shows a radio button selected for 'From Task: Development'. It features two tables: 'Available Employees' and 'Selected Employees'. The 'Available Employees' table has columns '...' and 'Name' and lists '[All Employees]', 'Administrator', 'Demo', and 'Ellen'. The 'Selected Employees' table is empty. Arrows indicate the ability to move items between the two tables.

Every task can set its own authorizations or obtain them from its parent task group. Use the arrow buttons or drag items to selected employees. The authorizations are obtained from the parent task in the picture above.

If you don't want to use authorizations at all, it can be disabled this at [Maintenance and settings | Settings | Authorizations and Combinations](#).

Invoicing

At the tab page **Invoicing** you can set how the tasks have to be invoiced.

Settings

Every task can set its own invoicing-settings or obtain them from its parent task group.

The following invoicing types are available:

Invoicing type	Explanation
No invoicing	Don't invoice the task.
Subsequent calculation	Invoice the hours booked on the task following the tariff agreement.
Fixed price	Invoice the task at a fixed price. A budget can be set per task. The sum of all the budgets attached to this task group must be the same as this price. Note: Only tasks with a budget and set to invoiceable will be invoiced.
Recurring (only at task level)	Tasks can be invoiced with a recurring pattern. The task will be invoiced for the entered price following the recurring pattern.

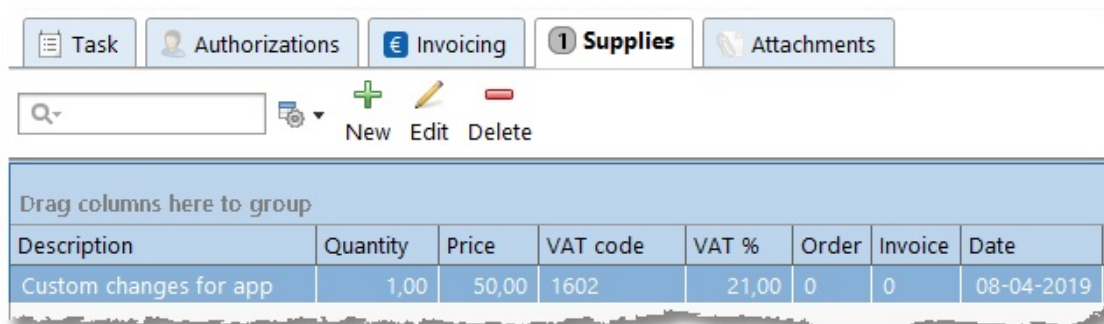
Aspects

A customer is mandatory if the tasks must be invoiced. At the tab page **Aspects** also the other aspects can be set. These aspects will be automatically used when creating an hour booking.


Supplies

Tab page **Supplies** is available depending on the selected accounting software TimeWriter is linked to (at [Invoicing | Settings | Accounting](#)).

At this tab page supplies can be added to tasks. When generating orders/invoices, supplies to be invoiced will be automatically added to orders/invoices for tasks to be invoiced.

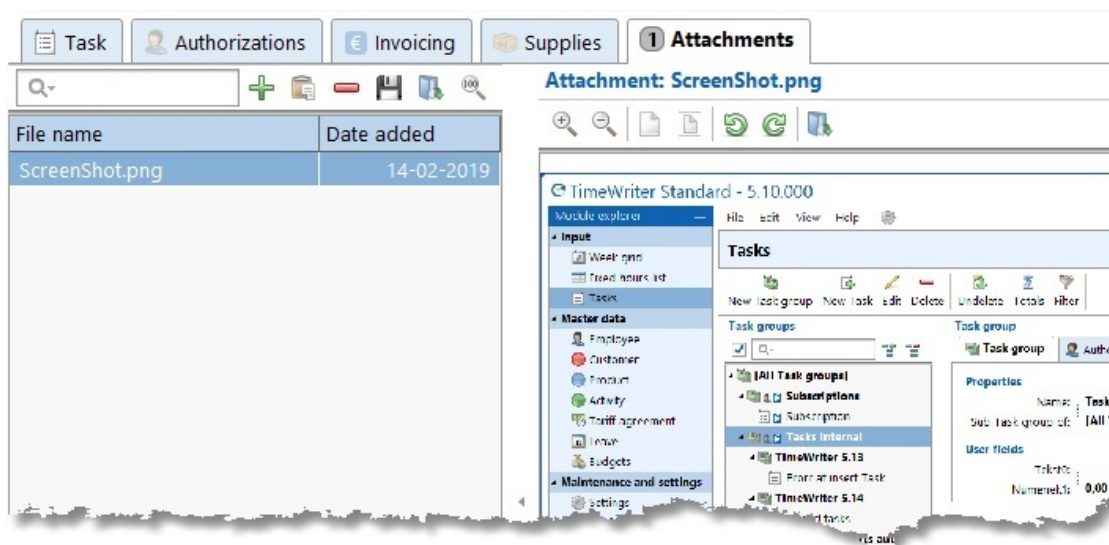


Drag columns here to group							
Description	Quantity	Price	VAT code	VAT %	Order	Invoice	Date
Custom changes for app	1,00	50,00	1602	21,00	0	0	08-04-2019

Supplies can also be added to tasks when booking hours by clicking the task aspect button **Select task** . A dialog for selecting a task will be shown. With this dialog a task can be edited if necessary and thus supplies can also be added to tasks.

Attachments

Documents can be archived at the tab page **Attachments**. At the left side is a list of archived attachments. At the right side a preview can be shown.

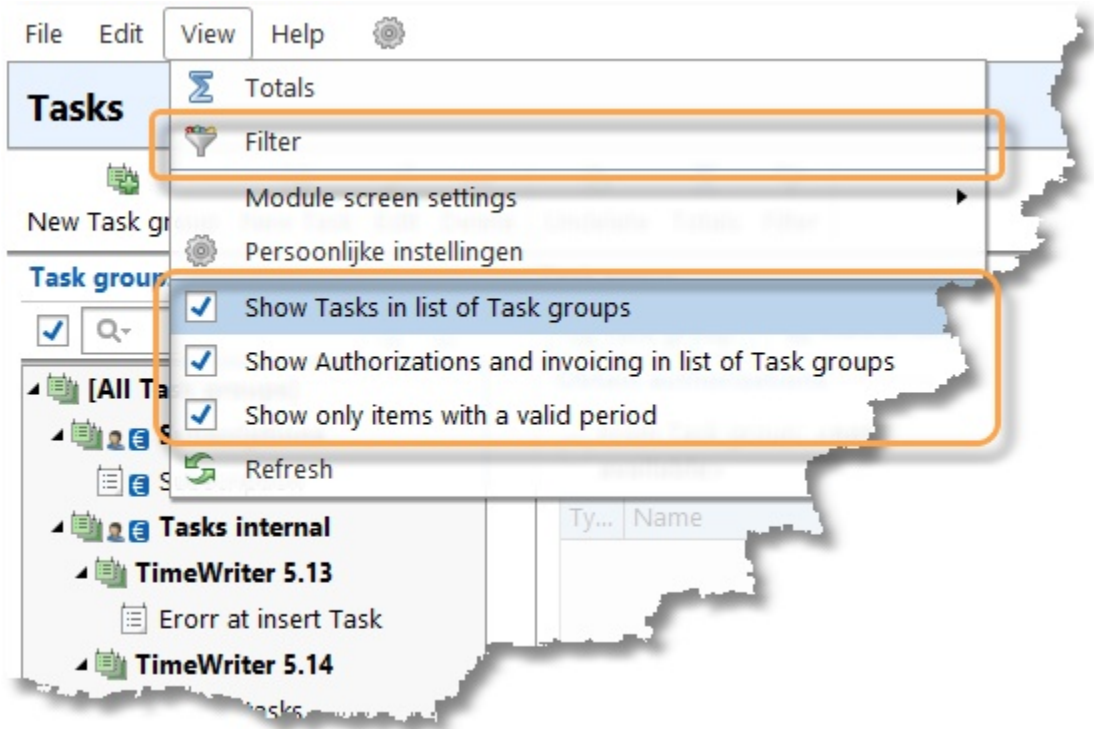


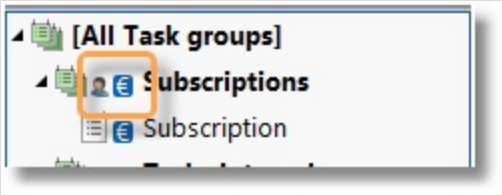
Manage attachments with the buttons on the toolbar:

Button	Action
	Add an attachment.
	Add an attachment from the clipboard (Print screen)
	Delete an attachment.
	Save a copy of the attachment.
	Open the attachment in an external application.
	View the attachment maximized.

Filter tasks

Every employee can set several filters to show only the relevant tasks In the main menu **View**.



Menu action	Function
Filter	Here can be set which Type and/or Workflow has to be shown.
Show Tasks in list of Task groups.	Tick this box to show the tasks between the task groups or not.
Show authorizations and invoicing in the list of task groups.	<div><div>Tick this box to show the icons for Authorizations and Invoicing to indicate where these are managed.</div><div></div><div>Note: only available for employees with application module access to task groups managing.</div></div>
Show only items with a valid period	Tasks with the property Closed can be shown or hidden using this tick box.

It is also possible to type text in the search field above the task groups. The tasks underneath the selected task group will be shown at the right side. Here is also a search field. This field searches also on the task description.

Master data

The following master data is included in TimeWriter Professional:

- Employee
- Customer
- Product
- Activity
- Tariff agreements
- Leave
- Budgets

Aspect is an abstract term used for master data that can be used for bookings. To prevent documentation from becoming abstract, it will consistently be referred to as Employee, Customer, Product and Activity. If preferred they can be given a more suitable name, corresponding with the terminology used within your organisation. TimeWriter Professional can be used with up to 5 aspects. Go to **Maintenance and settings | Fields** to set up the aspects.

Employee

Basic employee and employee group details, group memberships, authorisations, application modules access and data access are entered here. Select **Master data | Employee** in the **Module explorer**.

New
 New group
 Edit
 Delete
 Undelete
 Take over
 Import

Employees

☐

Type	Name	Category
	Administration	ADM
	BudgetKeepers	BK
	Administrator	
	Demo	
	Ellen	
	Fred	
	Peter	

Properties

Is member of
 Authorizations
 Application modules
 Access
 Approval

Properties

Name: **Ellen**
 Category:
 Abbreviation: **elle**
 Login name: **ellen**
 Password:
 Email:
 Reference hours:

Hours per week	From week
32:00	
24:00	Week 49 (01-12-2014)


Overhead: ☐

Validity

Valid from: **None**
 Valid until: **None**

User fields

Remark:
 Extra field:

In the employee list, employee groups are shown with their name in bold and with a group image 

Employees

Invalid employees (no longer employed) are shown in red in the list. In lists the invalid items can be hidden by setting the checkbox left of the search box.

Note: The checkbox value is a global setting. This means it will be applied to all list where this setting is available.

The search box above the list can be used to quickly look up employee details.



To the right side of the search box this button is available to adjust the column settings of the list, for example: column widths, expand or collapse groups or show/hide columns.

For an employee you can enter the following details on the first tab:

Name	Is shown in reports and when making hourly bookings.
Category	A category description, can be used in reports.
Abbreviation	Can be used in reports.
Login name	Name used by user to login.
Password	Password to be used to be able to login.
Reference hours	Enter here how many hours per week the employee should cover. The example above shows that Ellen should book 32 hours up to week 49 in 2014 and 24 hours after that.
Overhead	Overhead can be used to indicate if an hourly booking for this employee is overhead or not. For employee as well for all other aspects (such as: Customer, Product, Activity) the overhead field is available. If one or more aspects are ticked as overhead the related hour bookings will also be overhead. This can be used later for filtering / limiting a report.
Validity	Used to set from .. until .. when an employee is valid (employed). You can hide invalid items in the list by selecting the checkbox left of the search box.
User fields	A number of user fields can be set up at Maintenance and settings Fields . These can then be filled in here per employee. Data entered in user fields can also be used in reports.

For an employee group you can enter the following details on the first tab:

Name	Is shown in reports and, if applicable, as role when making hourly bookings.
Category	A category description, can be used in reports.
Not for access	Select if this employee group is not applicable to access.
Not for authorizations	Select if this employee group is not applicable to authorizations.
Not for tariff agreements	Select if this employee group is not applicable to tariff agreements.
Not for budget auditing	Select if this employee group is not applicable to budget auditing.
Not for program modules	Select if this employee group is not applicable to program modules.
User fields	A number of user fields can be set up at Maintenance and settings Fields . These can then be filled in here per employee group. Data entered in user fields can also be used in reports.

Managing the data is done through the buttons on the toolbar:

New	Set up a new employee.
New group	Set up a new employee group.
Edit	Edit data for the selected employee or employee group.

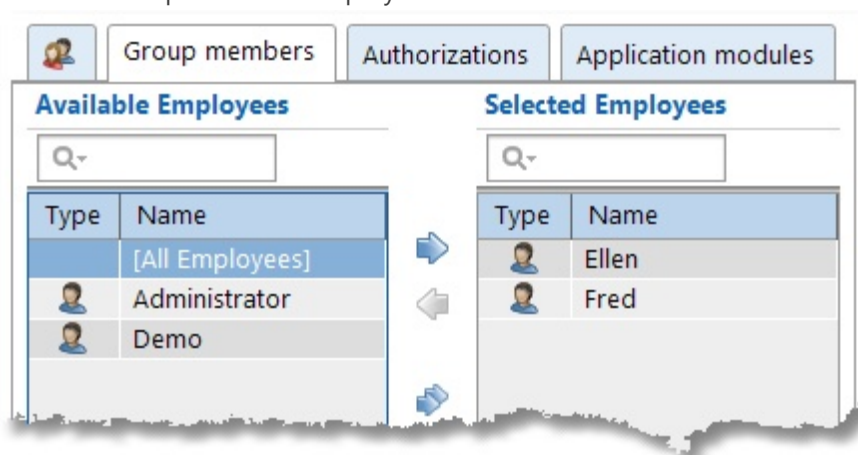
Delete	Remove the selected employee or employee group. To retain data, the employee is not actually deleted but gets a 'deleted' marking. The employee will then no longer be able to login but is still shown in historical bookings and will still appear in reports.
Undelete	See Restore deleted-marking .
Take over	Take over all (group)memberships, authorisations, application module access and access from another employee or employee group. Existing settings will be deleted.
Import	Import employee data from an Excel file. See import .

All of the buttons on the toolbar are also available in the main menu and under the right-click menu of the employee list. In the right-click menu you will also see what shortcut keys are available.

Filling an employee group with group members

Filling an employee group with employees can be done as follows:

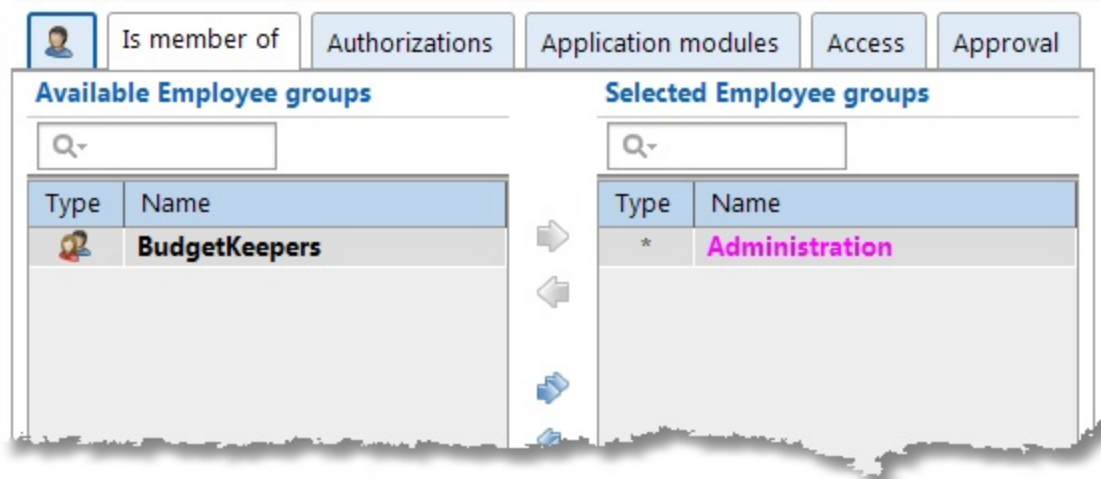
1. Select an employee group.
2. Click on **Edit**.
3. Go to the **Group members** tab.
4. Move the employees, which have to be a member of the selected group, from left to right by using the arrow keys. Select, to link all employees in one go, the option **[All employees]** and move it to the right. The advantage of selecting this option is that you don't have to adjust the membership when new employees are entered.



Making employees member of an employee group

Making employees member of an employee group can be done as follows:


1. Select an employee.
2. Click on **Edit**.
3. Go to the **Is member of** tab.
4. Move the groups, of which the selected employee has to be a member, from left to right by using the arrow keys.



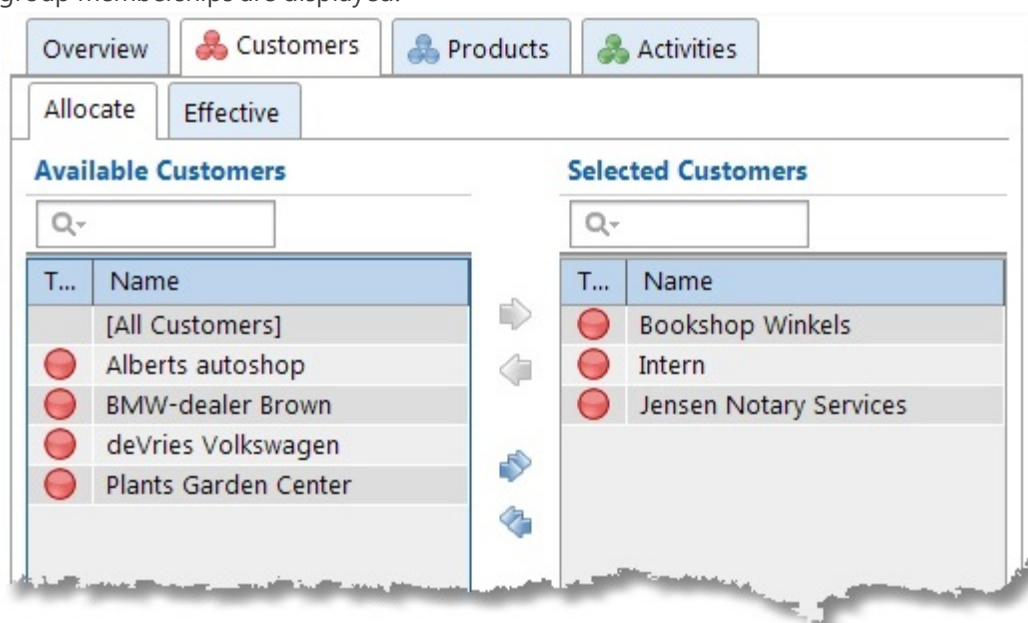
In the selected employee group list, groups for which **[All employees]** is selected are marked with an asterisk and shown in a magenta color. These type of membership can not be changed here but only on the **Group members** tab of the employee group.

Authorising employees and employee groups

An employee can be authorised to create hourly bookings for various aspects. Do this as follows:

1. Select the employee or employee group.
2. Click on **Edit**.
3. Go to the **Authorizations** tab.
4. The **Overview** tab will show all of the already linked aspects. Click on  to link new aspects or to remove links.

Linking of aspects can also be done via the Allocate tab of the aspect tabs themselves. Below you can see the Allocate tab of the 'Customer' aspect tab. Use this tab to see which customers or customer groups are already linked and all of the customers and customer groups that are still available. On the Effective tab all effective authorisations obtained directly as well as well as by group memberships are displayed.



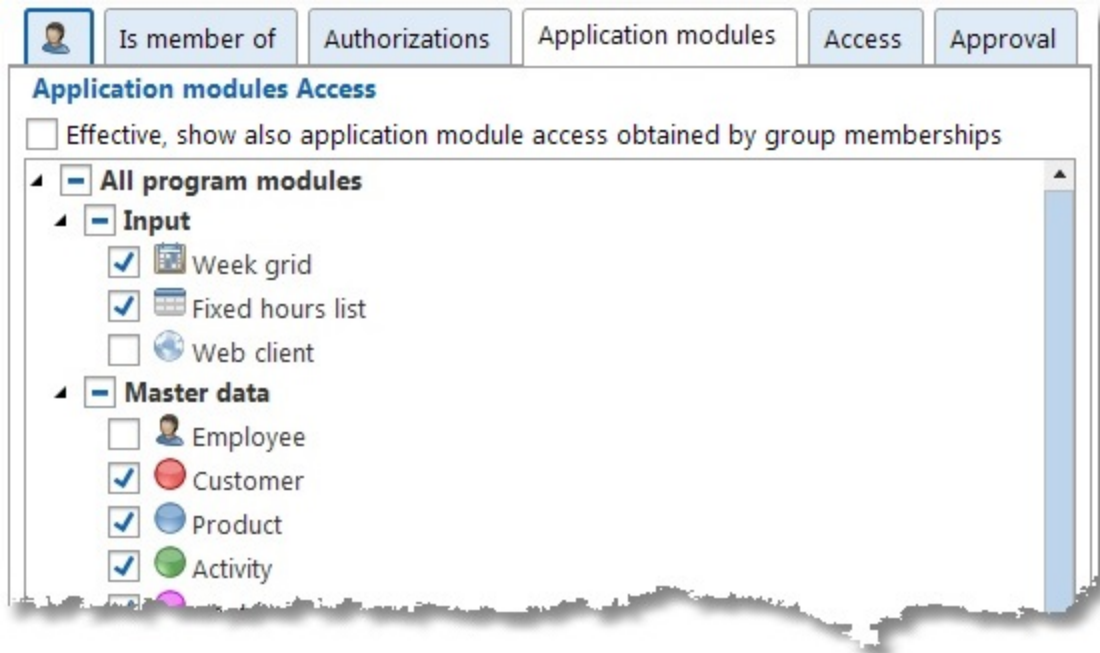
Customers and customer groups can be moved from left to right by using the arrows. This can also be done by clicking and dragging. To link all customers and customer groups in one go, select option **[All Customers]** and move it to the right. The advantage of selecting this option is that you don't have to adjust authorisations when new customers or customer groups are entered. The text box above the list can be used to quickly look up details.

TIP: Authorisations can also be set up in Customer, Product and Activity. So if a new activity is being added for instance, you do not need to set up separate authorisations for every employee but several employees can be authorised in one go.

Setting up application modules for employees and employee groups

For every employee or employee group access to every single program module can be set as follows:

1. Select an employee or employee group.
2. Click on **Edit**.
3. Go to the **Application modules** tab.
4. Select every application module the employee or employee group has access to.



TIP: Employees can inherit the application module access via group memberships! Set the checkbox "Effective" to show the effective module access (not available for groups or in edit mode).

Setting up user access

Who has access to whose hours, reporting, leave or approval can be set up as follows:

1. Select the employee.
2. Click on **Edit**.
3. Go to the **Access** tab.
4. Select the **Hours**, **Reporting**, **Leave** or **Approval** tab.

In the selected tab (in the example below: **Hours**) there are three options:

1. For employees who are to only see their own hours, select **[Personal]** from the list and move it to the right (Selected Employees) using the arrow keys.
2. For employees who are allowed to see all hourly bookings of all employees, select **[All Employees]** from the list and move it to the right (Selected Employees) using the arrow keys.
3. For employees who are allowed to see only certain hourly bookings of a limited number of employees or employee groups, select the employee(s) or employee group(s) concerned from the list and move the selection to the right (Selected Employees) using the arrow keys. The employee him-/herself should also be selected otherwise the employee will have no access to his/her own hours.

Note: If desired approval access can, besides on employee, also be set based on one of the other aspects (see [Settings | Approval](#)).

The screenshot displays the 'Employees' and 'Properties' sections of the TimeWriter Professional interface. The 'Employees' panel on the left lists employees with columns for Type, Name, and Category. The 'Properties' panel on the right shows the 'Hours' tab selected, with 'Available Employees' and 'Selected Employees' lists. 'Available Employees' includes [All Employees], [Personal], Administration, BudgetKeepers, Administrator, Ellen, and Fred. 'Selected Employees' includes Demo.

Type	Name	Category
Administration	ADM	
BudgetKeepers	BK	
Administrator		
Demo		
Ellen		
Fred		

Available Employees	Selected Employees
[All Employees]	
[Personal]	
Administration	
BudgetKeepers	
Administrator	
Ellen	
Fred	
	Demo

Setting up approval for employees

For each employee some data concerning **Approval** can be set up as follows:

1. Select an employee.
2. Click on **Edit**.
3. Go to the **Approval** tab.
4. Enter the data as below:

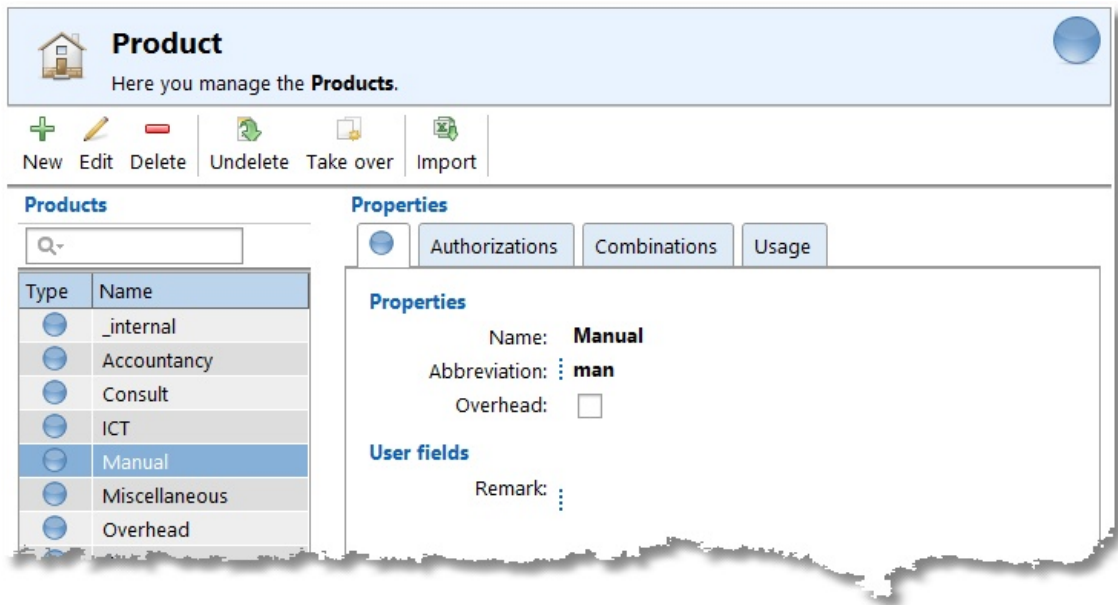
Enter hours up to (not including) level:	Select the approval level up to (not including) which the employee can edit an already approved hourly booking (this means that editing hourly bookings with this level or a higher level set is no longer allowed for this employee).
Maximum approval level	Select the maximum approval level the employee (if authorised for approval) can set.
Can approve leave	Select this option if the employee (if authorised for leave) can approve leave.


Customer, Product and Activity

TimeWriter Professional allows you to select up to 5 aspects per hourly booking (in the example below only 3 aspects will be used: Customer, Product and Activity). These can be managed in the **Master data** in the **Module explorer**.

This example relates to the Products screen, but for other aspects the same applies.

The selected product is 'Manual'. Details, validity and user fields are shown on the right hand side.



In the product list, product groups are shown with their name in bold and with a group image .



Invalid aspects are shown in red in the list. In the lists invalid items can be hidden by setting the checkbox left of the search box.

Note: The checkbox value is a global setting. This means it will be applied to all list where this setting is available.

The search box above the list can be used to quickly look up employee details.



To the right side of the search box this button is available to adjust the column settings of the list, for example: column widths, expand or collapse groups or show/hide columns.

Managing this data is done through the buttons on the toolbar:

New	Create a new product.
New group	Create a new product group.
Edit	Edit the selected product.
Delete	Remove the selected product. To prevent this data from being lost, the product is not really deleted, but given a deleted marking. The product can now no longer be chosen when booking new hours, but is still at in the history of bookings and will be in the reports
Undelete	See Restore deleted-marking .
Take over	Take over all authorisations and combinations from another product or product group. Existing settings will be deleted.
Import	Import aspect data from an Excel file. See import .

All of the buttons on the toolbar are also available in the main menu and under the right-click menu of the product list. In the right-click menu you will also see what shortcut keys are available.

Properties

For every aspect a number of properties can be entered:

Name	Name of the aspect.
Category	A category description, can be used in reports.
Abbreviation	Abbreviations are used at the top of the time slots in the Week grid so that some information is also visible in small time slots.
Overhead	Overhead can be used to indicate if an hourly booking for this aspect is overhead or not. For Employee as well for all aspects (such as: Customer, Product, Activity) the overhead field is available. If one or more aspects are ticked as overhead the related hours bookings will also be overhead. This can be used later for filtering / limiting a report.
Validity	Used to set from .. until .. when an aspect is valid. You can hide invalid items in the list by selecting the checkbox left of the search box. Entering one or both dates is not mandatory.
User fields	A number of user fields can be set up at Maintenance and settings Fields . These can then be filled in here per individual aspect. Data entered in user fields can also be used in reports.

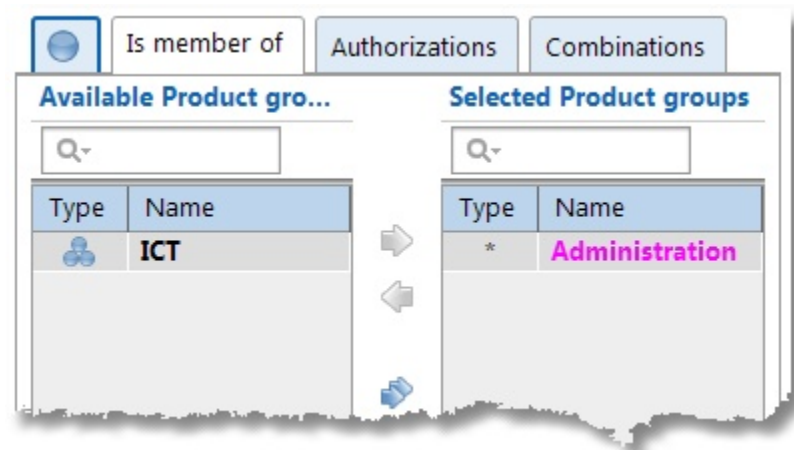
For every aspect group the following properties can be entered:

Name	Name of the aspect group.
Category	A category description, can be used in reports.
Not for combinations	Select if this aspect group is not applicable to combinations.
Not for tariff agreements	Select if this aspect group is not applicable to tariff agreements.

Not for budget auditing	Select if this aspect group is not applicable to budget auditing.
User fields	A number of user fields can be set up at Maintenance and settings Fields . These can then be filled in here per individual aspect group. Data entered in user fields can also be used in reports.

Is member of

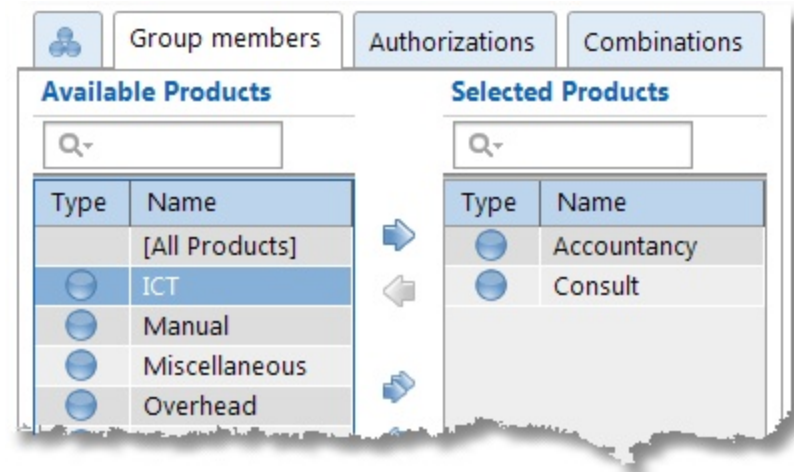
The **Is member of** tab can be used for each Product to set up the product group(s) this product is a member of. Product groups can be moved from left to right by using the arrows. This action can also be done by clicking and dragging.



In the selected product group list, groups for which **[All products]** is selected are marked with an asterisk and shown in a magenta color. These type of membership can not be changed here but only on the **Group members** tab of the product group.

Group members

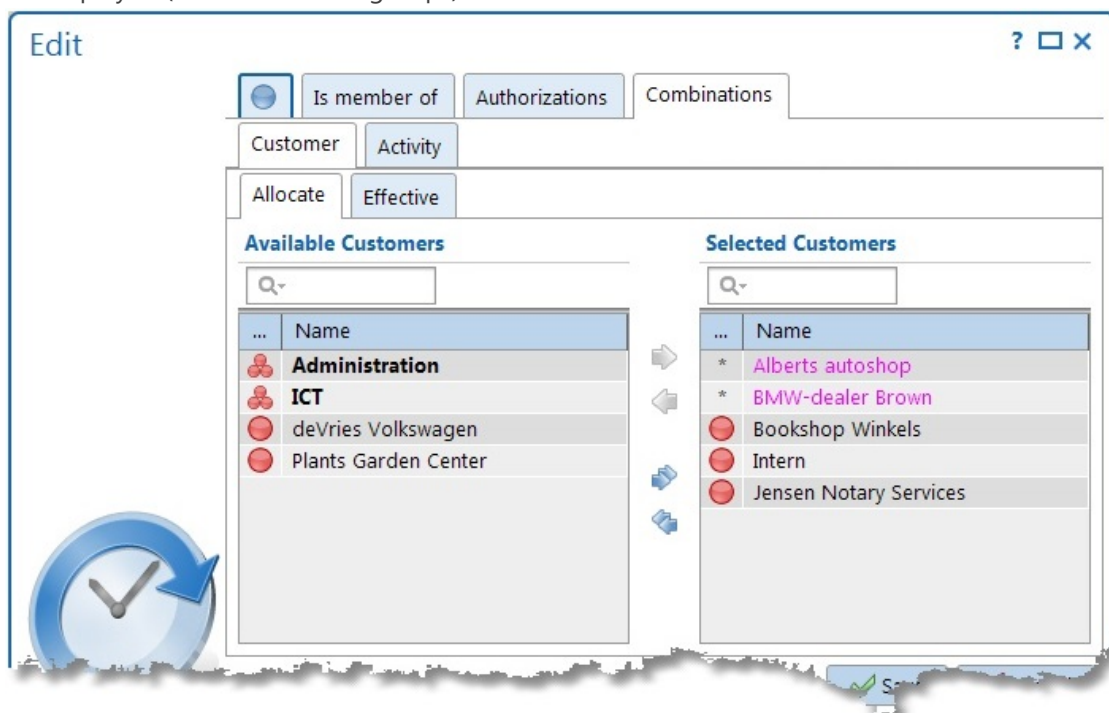
The **Group members** tab can be used for each Product group to set up the products which are members of this product group. Products can be moved from left to right by using the arrows. This action can also be done by clicking and dragging. A choice **[All products]** is present at the top of the list of available products. To select all products you don't have to select all of them and then move them to the right, but just this one choice. This setting can only be undone on this tab and not at the **Is member of** tab of one of the products.



Authorizations and Combinations

The **Authorizations** tab can be used for each Product to set up which employees or employee groups are able to book this product (or product group).

The **Combinations** tab shows tabs for a previous aspect and a next aspect (below: Customer and Activity) in relation to the selected aspect (below: Product). Previous and next aspect tabs will only be visible if available. In the example below on the Allocate tab you can set up in combination with which Customers or Activities the selected Product (or Product group) can be booked. On the Effective tab all effective combinations obtained directly as well as by group memberships are displayed (not available for groups).



Customers can be moved from left to right by using the arrows. This action can also be done by clicking and dragging. The text box above the list can be used to quickly look up details.

When combining with a next aspect, a choice **[All <aspect name>]** is present at the top of the list of available aspects. To combine all aspects you don't have to select all of them and then move them to the right, but just this one choice. In the example above Activity is the next aspect for Product. The choice **[All activities]** will be shown at the top of the list of available activities.


By managing its master data, a previous aspect (above: Customer) can already be combined with all current aspects (above: Products). In the selected customers list these combinations are marked with an asterisk and shown in the color magenta. These type of combinations can only be edited by managing their own master data. In the example above product combinations for customers 'Alberts autoshop' and 'BMW-dealer Brown' can only be edited by managing **Master data | Customer**.

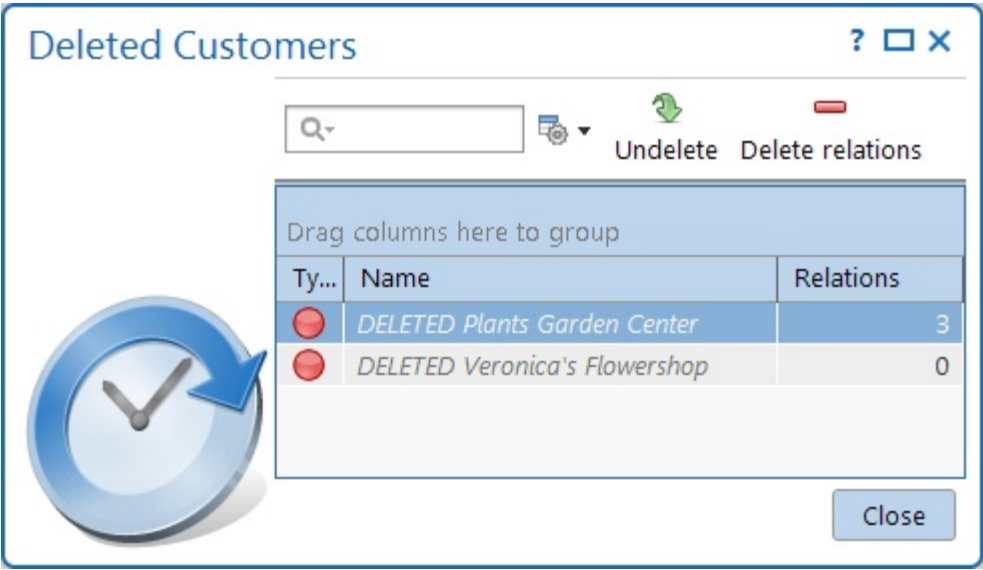
The same applies to authorisations. By managing the employee master data, an employee can be authorised for **[All products]**. These type of authorisation can only be edited by managing **Master data | Employee** and not by managing **Master data | Product**.

Restore deleted-marking



Aspects, aspect groups, tariff agreements and budgets are not actually deleted from the database, but get a deleted-marking.

All such deleted aspects, aspect groups, tariff agreements and budgets can be made visible by

 clicking on **Undelete** . A new window will appear with all deleted data (Customers in this case). The relations column shows the number of existing relations (authorisations and combinations) with other aspects.



You can restore a deleted aspect as follows:

1. Select the aspect to be restored (in the example above: Plants Garden Center).
2. Click, if desired, on  to delete the existing relations with other aspects (**Warning:** this process is irreversible).
3. Click on  to remove the 'deleted' marking for this aspect.

Tariff agreement



See also www.timewriter.com/support/video for instruction video's how to work with tariff agreements.

A tariff rate can be calculated from every hourly booking on the basis of the combination of the chosen aspects. Below you can see the tariff agreement for Garages. In this example, all customers who have a garage are linked to this rate. Tariffs/rates may be applied over a set period of time. In this example, hourly bookings before 01-06-2013 are at a tariff rate of 45 and then go to 50. This amount is multiplied by the number of entered hours.

The screenshot shows the 'Hours tariff agreements' interface. The 'Tariff agreement' tab is selected, showing details for the 'Garages' agreement. The 'Tariff start date' is set to 01-06-2013, and the 'End date' is 'None'. The 'Items to which the Tariff agreement applies' section shows 'Employees', 'Customers', and 'Products' tabs. The 'Customers' tab is active, showing a list of customers: Alberts autoshop, BMW-dealer Brown, and deVries Volkswag....

Ty...	Name
Internal	Internal
Garages	Garages
Other	Other

Ty...	Name
Alberts autoshop	Alberts autoshop
BMW-dealer Brown	BMW-dealer Brown
deVries Volkswag...	deVries Volkswag...

[See also some detailed examples](#)

Travel costs tariffs

Travel costs tariffs can be entered on the **Travel costs tariffs** tab. The operation and entering of travel costs tariffs is the same as with the Hours tariffs agreements. The entered amount is multiplied by the distance as entered under travel costs for an hourly booking. Under **Maintenance and settings | Fields** can be set at the Hours aspect if travel costs are to be registered.

Creating a tariff agreement

To set up a new Tariff agreement perform the following steps:

1. Select **Master data | Tariff agreement** in the **Module explorer**.
2. Click on **New** to set up a new one.
3. Provide the tariff agreement with a relevant name. This name will be shown when making hourly bookings and can be used as a filter term for reporting.
4. Set the tariff start date. The date field can also be left blank as in the above example.


5. Link the required aspects to the tariff agreement. If no specific aspects are linked, then all aspects will apply.
6. Save the tariff agreement.
7. Arrange the tariff agreements in the correct order by using the **Up / Down** buttons. Keep the button clicked for faster scrolling up or down.

Tariff agreement sequence

The sequential order of the list is important to determine which tariff should be applied to an hourly booking. For every hourly booking this list will be checked from top to bottom to see if the booking fits within the time slot of the tariff and if it the aspects of the booking match a combination of aspects set for the tariff. The tariff of the first corresponding tariff agreement found will be used. Use the **Up / Down** buttons to arrange the tariff agreements in the correct order.

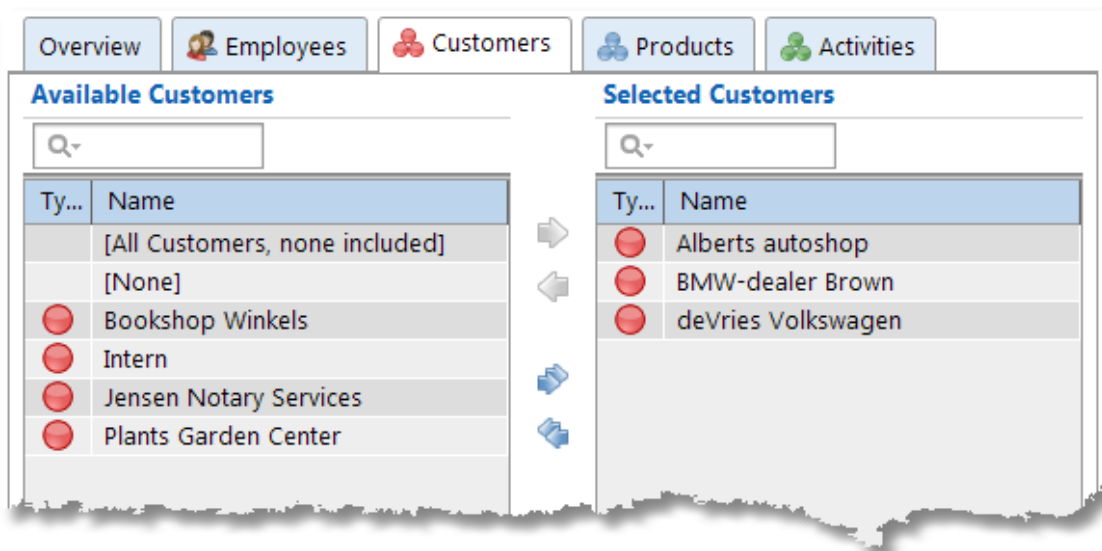
Linking aspects to tariff agreements

Aspects can be linked as follows:

1. Select the tariff agreement.
2. Click on **Edit**.
3. The **Overview** tab will allow you to see already linked aspects. Click on  to link new aspects or to remove them.

Linking of aspects can also be done via the tabs of aspects themselves. Below you can see the Customer tab for the tariff agreement 'Garages'.

This view allows you to see which customers are already linked and those customers that are still available.



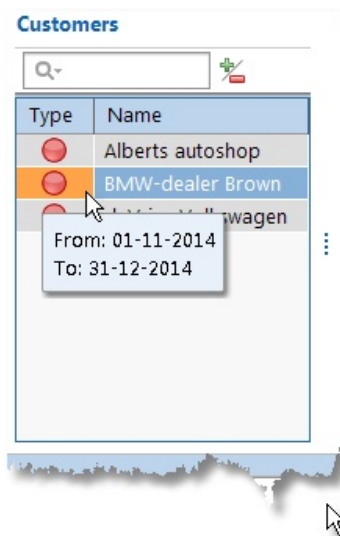
By using the arrows, customers can be moved from left to right. This can also be done by clicking and dragging.

There are 3 extra options:

Selection	Explanation
-----------	-------------

No items selected	the same as [All Customers, none included]
[All Customers, none included]	If this option is selected the tariff agreement is applicable to ALL customers, but is also applicable when no customer is selected when entering an hour booking.
[None]	If this option is selected the tariff agreement is applicable to any selected customer, but is also applicable when no customer is selected when entering an hour booking.

Setting a time period for linked Aspects



It is possible to set a limited time period for linked aspects by double clicking on the line.

First ensure that you have selected the **edit** mode.

If a period is set, the background will be orange and this time period can be viewed by hovering over it with the mouse.

Ending or removing Tariff agreements

Tariff agreements can have an **End date** allocated to them. Setting the **End date** will ensure that the hourly rates that were set will no longer be applied to hourly bookings after the set end date. Rates will however still be applied to hourly bookings before the set end date.

You can also completely remove tariff agreements by clicking on **Delete**. This puts a deleted-marking on the selected tariff agreement. This tariff agreement will not be used after this. See the [Restore deleted-marking](#) chapter for how to restore a deleted tariff agreement.

When are tariffs calculated?

Hourly booking tariffs are continuously calculated. So, as soon as a tariff agreement is changed, the tariff / rate for the hourly bookings will also be changed. This applies to all hourly bookings ever made.

N.B.: Bookings set up in the previous TimeWriter version will retain their saved tariff.

Tariff agreement examples

Not billable tariff agreement

Suppose an organization has three possibilities to create not billable hourly bookings. They have a customer named '_internal', a product named '_internal' and an activity named '_internal'.

What they would like to achieve is that if one of these '_internal' aspects is chosen, the hourly booking becomes not billable.

The next image shows a situation that will **not** lead to the aimed result, because all three aspects are linked to one tariff agreement. The tariff agreement will only apply to bookings which are made on customer = '_internal' **and** product = '_internal' **and** activity = '_internal'.

Tariff agreements

...	Name
	Internal
	Garages
	Other

Properties

Name: **Internal**

Tariff start date:

Tariff	From date
0,00	

End date: **None**

Items to which the tariff agreement applies

Overview Employees Customers Products Activities

Employees **Customers** **Products** **Activities**

Search:

...	Name
	[All Employees]

...	Name
	_internal

...	Name
	_internal

...	Name
	_internal

To achieve the aimed result, you need to create three separate tariff agreements, one for every aspect, like this:

Tariff agreements

...	Name
	Internal customer
	Internal product
	Internal activity
	Garages
	Other

Properties

Name: **Internal customer**

Tariff start date:

Tariff	From date
0,00	

End date: **None**

Items to which the tariff agreement applies

Overview Employees Customers Products Activities

Employees **Customers** **Products** **Activities**

Search:

...	Name
	[All Employees]

...	Name
	_internal

...	Name
	[All Products, ...]

...	Name
	[All Activities, ...]

By putting these tariff agreements to the top of the list they will be used (if applicable) before any of the other tariff agreements.

Default tariff agreement

Suppose you want to have a safety net for hour bookings which do not match any tariff agreement. Then you need to create a tariff agreement linked to all employees, customers, products and activities, like the example below.

Tariff agreements

...	Name
	Internal customer
	Internal product
	Internal activity
	Garages
	Other

Properties

Name: **Other**

Tariff start date: **Tariff** From date: **30,00**

End date: **None**

Items to which the tariff agreement applies

Overview Employees Customers Products Activities

Employees **Customers** **Products** **Activities**

Q- Q- Q- Q-

...	Name
[All Employees]	

...	Name
[All Customers, ...]	

...	Name
[All Products, ...]	

...	Name
[All Activities, ...]	

By putting this agreement to the bottom of the list, it will only be applied when no other agreements are applicable.

Leave

The Leave function allows leave rights to be assigned to different employees. Select **Master data | Leave** in the **Module explorer**.

Toolbar: New leave right | Edit leave right | Delete leave right | Generate leave rights

Employees

Type	Name
	Demo
	Ellen
	Fred

Leave year

2015
2014
2013

Leave right 2014

Leave type	Assigned leave	Remark
Jury Duty	0,00	
Regular leave	192,00	Assigned leave 2014
Regular leave	0,00	Remaining leave from 2013...
Special leave	0,00	

Booked leave 2014

Leave type	Remark	Date	From	To	Duration
Regular leave	Birthday!	14-07-2014	8:30	16:30	8,00
Regular leave		15-07-2014	8:30	16:30	8,00
Regular leave	Fishing trip	16-07-2014	8:30	16:30	8,00

Leave summary 2014

Leave type	Credit	Booked	Balance
Regular leave	192,00	109,50	82,50

Leave administration is done on an annual basis, this implies that leave rights that were not used are not automatically carried over to the next year. You need to manually enter this per employee or use the **Generate leave rights** button (see below). Approved leave rights will be shown together with leave requests in **Auditing | Leave survey**. To manage leave types see [Maintenance and settings | Settings | Leave](#).

The leave administration screen will show an overview of leave taken for selected employee and year, booked leave (for selected leave type) and a leave summary. In the example above employee Ellen and the year 2014 are selected. In 'Leave rights 2014' her leave rights are shown and 'Regular leave' is selected here. Under 'Booked leave 2014' the details of the selected 'Regular leave' are shown. At the bottom of the screen, a leave balance will be shown under 'Leave summary 2014'.

Details can be managed via the toolbar buttons:

New leave right	Create new leave right.
Edit leave right	Edit the selected leave right. This can only be done for leave types with leave balance administration.
Delete leave right	Delete the selected leave right. Note: The selected leave right will be deleted permanently and cannot be restored.
Generate leave rights	Automatic generation of leave rights for one or more employees.

Creating leave rights

Manual creation of leave rights is done as follows:

1. Select the employee for leave right.
2. Select the year for leave right.
3. Click on **New leave right**.
4. Select the relevant type of leave. Only those leave types that generate leave balance administration are available for selection.
5. Enter the number of assigned hours of leave for the selected leave type. These are automatically filled in with the default hours balance for the selected leave type.
6. Add comments as required.
7. Click on **Save**.

Generating leave rights

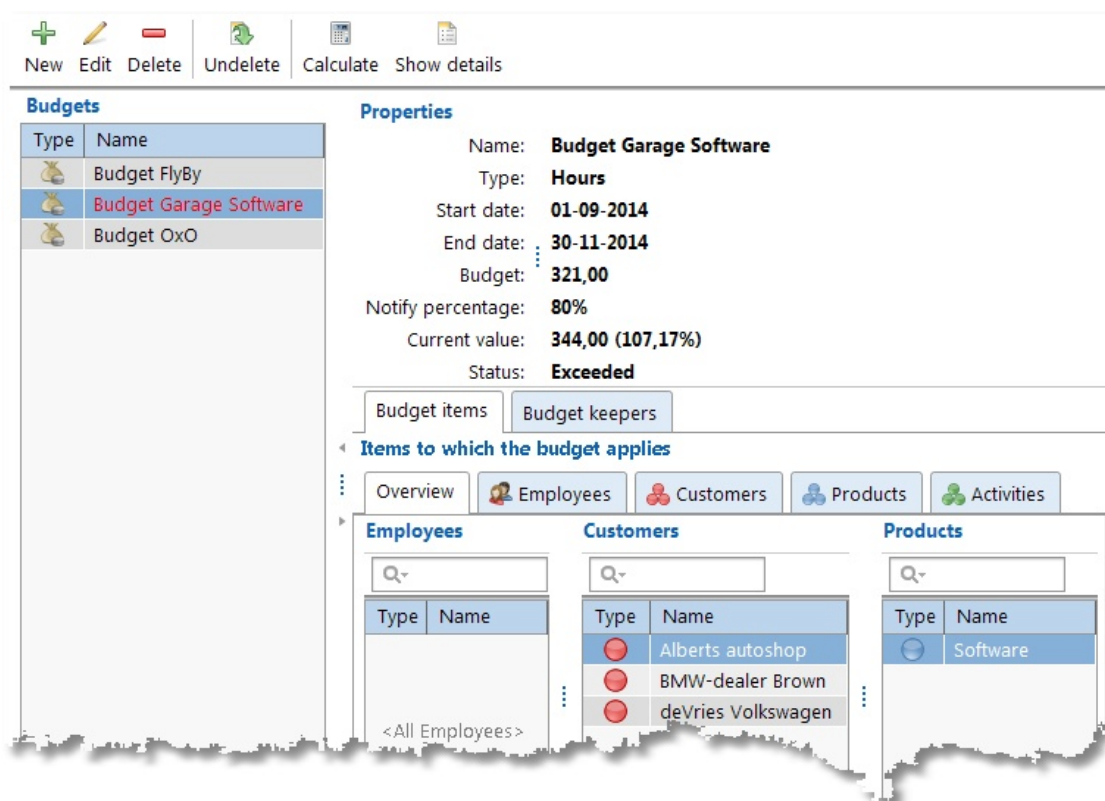
Multiple leave rights can be generated automatically for one or more employees in one go.

To generate leave rights perform the following steps:

1. From the list select **Leave year** for which rights are to be generated.
2. Click on **Generate leave rights**.
3. Select one or more employees for whom leave rights are to be generated.
4. If necessary adjust the following details for all leave types shown:
 - Generate; the 'ticked' leave type will have its rights calculated.
 - Assign; the hours to be assigned. This is filled in automatically with the default hours balance for the leave type.
 - Transfer remaining leave, if 'ticked' then any remaining leave balance for the selected leave type from the previous year will be transferred to the selected year.
 - Remarks for extra details if required.
5. Click on the **Generate** button.

Budgets

TimeWriter is able to process budgets. Select **Master data | Budgets** in the **Module explorer**.



For every budget, the aspects that are to be controlled are to be entered. Budgets can be defined in terms of hours or money. **Budget keepers** can be created per budget; they will be notified if / when budgets are exceeded. Employees who are also budget keepers can control their allocated budgets via **Auditing | Budget auditing**.

Details can be managed by the toolbar buttons:

New	Create a new budget.
Edit	Edit the selected budget. Note: when dates, budget or notify percentage are being edited, budget status will automatically become Active again.
Delete	Remove the selected budget. To prevent data from being lost the budget is not actually deleted but gets a deleted-marking.
Undelete	see Restore deleted-marking .
Calculate	Recalculate the actual values of shown budgets. How and when this happens is described later in this chapter.
Show details	Shows an overview of hourly bookings related to the selected budget.


Creating a Budget

Budgets are created as follows:

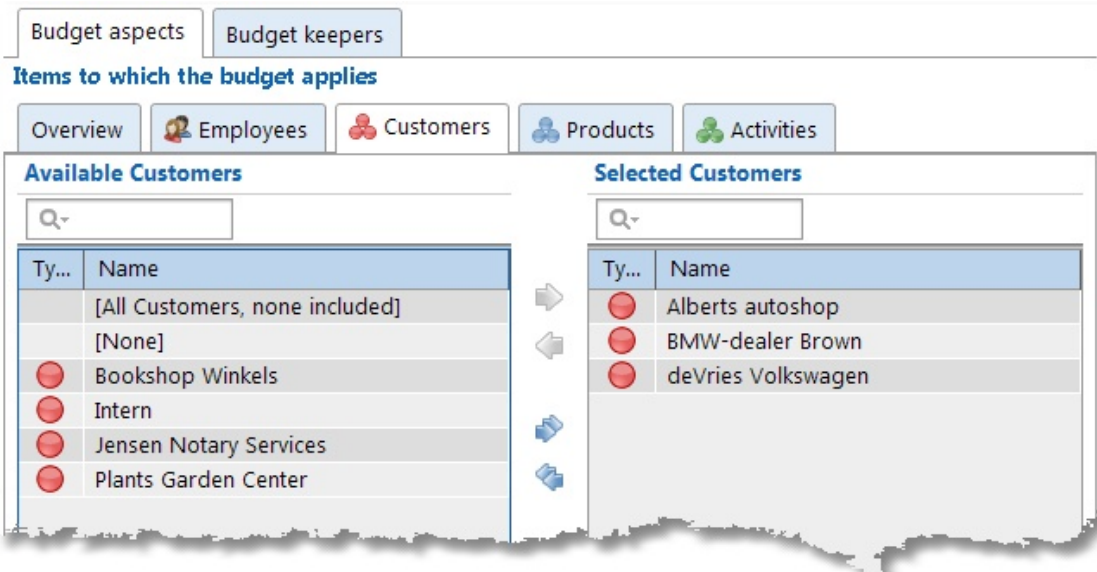
1. Click on **New** to start creating a budget.
2. Provide the budget with a relevant name. This name can be used as a filter term for reporting.
3. Indicate the type of budget you want; using hours or money (tariff) terms.
4. Set up a budget start- and end date (mandatory).
5. Enter the total available budget; in hours or money terms, depending on your selection. The budget always needs to be more than 0.
6. Enter the required notify percentage. Budget keepers will be sent a notification alert when this percentage of the budget has been used. The percentage must be between 0 and 100.
7. Link the relevant aspects to the budget.
8. Link the relevant budget keepers to budget.
9. Enter the budget status; the default status is **Active** for new budgets.
10. Save the budget.

Linking aspects to budgets

Aspects and budgets can be linked as follows:

1. Select the required budget.
2. Click on **Edit**.
3. Select the **Budget aspects** tab.
4. The **Overview** tab shows already linked aspects. Click on  to link new aspects or to remove links.

Aspects can also be linked via their own tabs. See below for a Customer to Budget link. This view shows the customers that are already linked and all of those that are still available.



The screenshot shows the 'Budget aspects' tab with two sub-tabs: 'Budget aspects' and 'Budget keepers'. Under 'Items to which the budget applies', there are tabs for 'Overview', 'Employees', 'Customers', 'Products', and 'Activities'. The 'Customers' tab is active, showing two columns: 'Available Customers' and 'Selected Customers'. Both columns have a search bar and a table of customer names. In the 'Available Customers' table, there are five rows with red circular icons next to the names: 'Bookshop Winkels', 'Intern', 'Jensen Notary Services', and 'Plants Garden Center'. In the 'Selected Customers' table, there are three rows with red circular icons next to the names: 'Alberts autoshop', 'BMW-dealer Brown', and 'deVries Volkswagen'. Arrows and a double arrow icon are positioned between the two tables, indicating the ability to move customers between the two lists.

Ty...	Name
	[All Customers, none included]
	[None]
●	Bookshop Winkels
●	Intern
●	Jensen Notary Services
●	Plants Garden Center

Ty...	Name
●	Alberts autoshop
●	BMW-dealer Brown
●	deVries Volkswagen

Customers can be moved from left to right by using the arrows or by clicking and dragging.

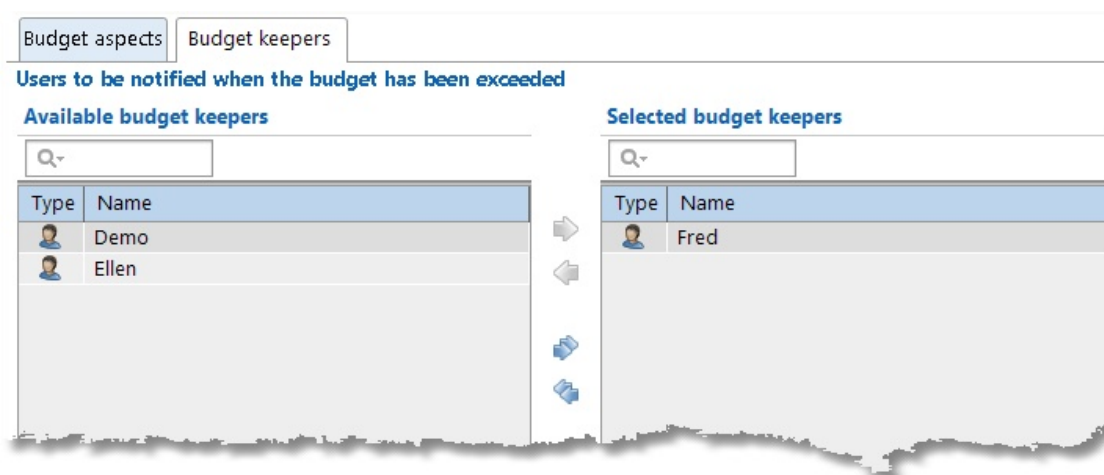
There are 3 extra options:

Selection	Explanation
No items selected	Same as [All Customers, none included]
[All Customers, none included]	If this option is selected the budget is applicable to ALL customers, but is also applicable when no customer is selected when entering an hour booking.
[None]	If this option is selected the budget is applicable to any selected customer, but is also applicable when no customer is selected when entering an hour booking.

Linking Budget keepers to budgets

The Budget keepers can be linked to budgets as follows:

1. Select the budget.
2. Click on **Edit**.
3. Select the **Budget keepers** tab.



Budget keepers can be moved from left to right by using the arrows or by clicking and dragging.

Ending or removing a Budget

Budgets can be removed by an Administrator by changing their budget status to **Inactive**. This is not an option for the Budget keepers. Inactivated budgets are no longer visible to Budget keepers in the **Auditing | Budget auditing** summary and will no longer be (re)calculated.

A budget can also be completely deleted by clicking on the **Delete** button. This gives the budget a deleted-marking and it will no longer be used. Refer to the [Restore deleted-marking](#) chapter to see how a removed budget can be restored again.

How and when budgets are (re)calculated

Booked hours are calculated within a budget when:

- All aspects related to the booking appear in the list of budget aspects OR when the aspects list is empty.
- It involves a booking of an employee who appears in the list of selected employees at the **Employee** tab of the **Budget aspects** tab. If this list is empty, all of the employees' hours will be counted.

The actual value of completed hours has to be continuously recalculated. Budgets that are linked to an employee who is also a Budget keeper are automatically re-calculated when this employee logs into Time Writer again. Calculations can also be done manually through the **Calculate** button. This button is also accessible to Budget keepers in **Auditing | Budget auditing** summary.

After a re-calculation the budget can be exceeded, because of a modified actual value. In this case the budget status will change automatically to budget status **Exceeded**. A budget is flagged as exceeded if its calculated current value is greater than the alert value (= notify percentage) of the budget.

Demo master data

As long as you are working with a TimeWriter **demo license** you can automatically generate demo master data by choosing menu option **File | Generate demo master data**. These details are intended to provide you with a general impression of program functions. This allows you to start making bookings straight away by using these generated details.

For the master data, 3 items are created for: Employee 1 to 3, Customer 1 to 3, Product 1 to 3 and Activity 1 to 3. Next, the authorisations and combinations are set up for the master data. If authorisations and/or combinations are to be used can be set up through: **Maintenance and settings | Authorizations and Combinations**. The standard setting is that all authorisations and combinations are to be used. An overview of automatically generated authorisations and combinations follows below.

Authorisations:

Employee	Authorised for
Employee 1 *	Customer 1, Product 1, Activity 1
Employee 2	Customer 1, Product 1, Activity 1, Customer 2, Product 2, Activity 2
Employee 3 **	Customer 1, Product 1, Activity 1, Customer 2, Product 2, Activity 2, Customer 3, Product 3, Activity 3
Logged in employee (you)	Customer 1, Product 1, Activity 1, Customer 2, Product 2, Activity 2, Customer 3, Product 3, Activity 3

* Employee 1 can only make hourly bookings for Customer 1, Product 1 and Activity 1.

** Employee 3 can make hourly bookings for all Customers, Products and Activities.

The person generating master data (the logged in employee) is also authorised for all Customers, Products and Activities.

Combinations:

Master data	May be combined with
Customer 1 *	Product 1
Customer 2	Product 1, Product 2
Customer 3 **	Product 1, Product 2, Product 3
Product 1	Activity 1
Product 2	Activity 1, Activity 2
Product 3	Activity 1, Activity 2, Activity 3

* Customer 1 can only be booked in combination with Product 1.

Product 1 can only be booked in combination with Activity 1.

As soon as Customer 1 is selected for a booking, Activity 1 and Product 1 are also automatically filled in because this is the only possible combination.

** Customer 3 (can only be booked by you and Employee 3) can be booked in combination with all Products.

Product 1 can only be booked in combination with Activity 1.

As soon as Customer 3 and Product 1 are selected for a booking, Activity 1 is also automatically filled in because this is the only possible combination.



Product 2 – only booked in combination with Activity 1 or 2.

Product 3 - can be booked in combination with all Activities.

Import

Master data for employees and aspects can be imported from an Excel file. To do this, go to the relevant master data and press **[Import]**.

The following screen appears:

Import customers ? □ ×

1. **Source file**
Excel file: \\Documents\\TimeWriter Standard\\export 20190605 105610_988.xlsx

2. **Import options**
Skip first row (contains column titles): ☒
Key field: Name

Select a key field above. Data will be searched and updated using this field.
Select a target field below for each column.

3.

	A	B	C	D	E	F	
1	Nummer	Naam	Adres	Postcode	Plaats	Land	Email
2	5	KK Miles	152 City Road	EC1V 2NX	London	GB	
3	6	Werthen GmbH	Dadenbornstrasse 48	46291 SI	Simmerath	DE	
4	17	Innovat Workers	Kretadreef 34	3462 TE	Eindhoven	NL	
5	938	Delta Training	DeltaKappa 1	1111AB	Amsterdam	NL	dkl@De
6	3694	iFinty	Sportlaan 1	9999AA	Lutjebroek	NL	info@du
7	8578	Vakantiepark Noord	Veendergauw 76	1251 DE	Den Oever	NL	
8	16795	123Productions	Wiersterdyk 123	9041WI	Wier	NL	info@12
9	17025	Janssen & Janssen	Haddockstr. 13	1313JJ	Rintintin	NL	
10	18035	KDB	Twibak 12	9041 ES	Bertsum	NL	info-test
11	19045	Grien Guod	Emmakade 3	8901BB	Ljouwert	NL	

4.

1. Select the Excel file to import.
2. Select a key field (mandatory). With the key field existing data can be updated in TimeWriter. The aspect (in this case the customer) will be searched for the value from the column of the key field.
3. Select a target field from the Excel file for each column to be imported. Leave the target field empty for columns not to be imported.
4. Press **[Start import]**

Maintenance and settings

This chapter describes general settings. Go to **Maintenance and settings** in the **Module explorer**.

Settings

Manage various settings and program behaviour.

Approval

Go to **Maintenance and settings | Settings | Approval** to work on these settings.

First set the aspect (default employee) on which setting approval access will be based. Thereafter you can set the colors and descriptions for up to 10 approval levels.

Authorizations and combinations

Go to **Maintenance and settings | Settings | Authorizations and Combinations** to work on these settings.

Per aspect you can set up if employees are authorised to make bookings for this aspect. If no authorisations are required then all employees can automatically book all items for relevant aspects.

Every aspect can be set up to determine whether or not it should be combined with the previous and/or the next aspect. If no specific combinations need to be made, then all combinations are possible.

Backup reminder

Go to **Maintenance and settings | Settings | Backup reminder** to work on these settings. Here you can enable or disable a weekly backup reminder. The backup reminder will only be executed for administrators.

Note: This setting is only available when you are working with a local database. Backing up a cloud database will be performed automatically. To manage and schedule backups of a local server database go to [Manage tasks | 620 Create backup](#).

Command line import

Go to **Maintenance and settings** | **Settings** | **Command line import**.

This screen shows an overview of all TimeWriter aspects and fields that can be used for the import of data, using the command line. Files to be imported must be of a certain format and structure. Field naming must also meet certain conditions. An aspect of field name can only contain letters (without accents), digits or an underscore and cannot start with a digit. Spaces in aspect and field names will/must be replaced with underscores. In the overview all aspect and field names that do not meet these conditions are grayed out and marked with a exclamation point.

Import files can be provided in XML or Excel format. Example files can be generated using the buttons "Generate XML" (just one file) and "Generate Excel" (one file per aspect). The example files contain all valid TimeWriter aspects and field names.

General structure of XML import files:

XML structure	Explanation
<TwlImport>	Aspects to be imported can all be in one file. This XML file must start with a tag <TwlImport> end end with tag </TwlImport>.
<Employee>	An aspect section begins and ends with a tag that contains the aspect name as entered in TimeWriter, for example <Employee> and </Employee>.
<Record>	An aspect section can contain one or more record sections. These record sections start with a tag <Record> and end with tag </Record>. So, one aspect section contains all aspect records.
<Id> value </Id>	A record section contains the start and end tags for fields, for example <Name>...</Name> or <Email>...</Email>. The field names are the same as the field labels as shown on TimeWriter. The field value is placed between the field tags. So, a record section contains all fields to be imported for one aspect.
<Name> value </Name>	
<Email> value </Email>	
etc...	
</Record>	
<Record>	
etc...	
</Record>	
</Employee>	
<Customer>	
etc...	
</Customer>	
</TwlImport>	

General structure of Excel (.xls, .xlsx) import files:

Excel structure	Explanation												
File 1 / sheet 1:	Only the first sheet of an Excel file can contain the data to be imported.												
<table><tr><td>Employee</td><td>Id</td><td>Name</td><td>Email</td></tr><tr><td>Record</td><td>value</td><td>value</td><td>value</td></tr><tr><td>Record</td><td>etc...</td><td>etc...</td><td>etc...</td></tr></table>	Employee	Id	Name	Email	Record	value	value	value	Record	etc...	etc...	etc...	The first row of the sheet is a header row. The first cell of the header row always contains the aspect name as entered in TimeWriter (for example Employee or Customer). The other cells of the first row contain the field names as shown on the field labels in TimeWriter.
Employee	Id	Name	Email										
Record	value	value	value										
Record	etc...	etc...	etc...										
File 2 / sheet 1:													
<table><tr><td>Customer</td><td>Id</td><td>Name</td><td>etc...</td></tr><tr><td>Record</td><td>value</td><td>value</td><td>value</td></tr></table>	Customer	Id	Name	etc...	Record	value	value	value					
Customer	Id	Name	etc...										
Record	value	value	value										

Record	etc...	etc...	etc...	Below the header row are the rows with the field values. The first cell of these rows always contains the indication Record .

The files to be imported have to be placed in a folder called "**import**". This folder is already available in the main TimeWriter folder. TimeWriter will try to import all XML and Excel files found in this folder. After processing an import file, a result file with the same name and an insertion "**.result**" will be created. This file contains the result of an import (Ok, failed or partly failed) and warnings and errors found. An import can fail, for example, because a file is provided in a wrong format. An import can partly fail because mandatory fields are missing or because certain data is not unique. It is advised to check the result files after every import.

As long as a result file is present in the import folder, the corresponding import file will not be processed (again).

Adding and/or overwriting records during command line import

During the import aspect data can be added or overwritten in TimeWriter, depending on if the import file contains an ID field and if this ID field contains a value or not:

Description	Action
No ID field available	Add record
The ID field is available but contains no value or a value of zero.	Add record
The ID field is available, contains a value and already exists in TimeWriter	Overwrite record (only the fields provided in the import file will be overwritten)
The ID field is available, contains a value and does not exist TimeWriter	Add record, using the ID value provided

All of this on condition that the other data to import is valid as well.

Company logo

Go to **Maintenance and settings | Settings | Company logo** to work on this setting.

Here you can select an image to be shown on every report. A copy of the selected image will be saved in the database.

Hours checking

Go to **Maintenance and settings | Settings | Hours checking** to work on these settings.

When hours checking is being done TimeWriter compares the total hours completed by an employee to their total reference hours over the number of weeks to be checked. If the total number of actual hours worked is less than their total of reference hours a message is generated.

The following settings can be changed here:

Number of previous weeks to check	Enter how many weeks preceding the current week need to be checked.
Check hours on application start	When this option is ticked the hours checking will be run on start up of the program.
Check hours on application close	When this option is ticked the hours checking will be run when the program is being closed.
Prevent program from closing when too few hours	When this option is ticked the user can only close TimeWriter after remaining hours have been entered.

Hours checking can also be done by choosing menu option: **File | Check hours**.

Leave

Go to Tasks and **settings | Settings | Leave** to work on these settings. This screen contains two tabs; **Leave settings** and **Leave types**.

Leave settings

On this tab the following can be set up:

Leave aspect	Select the leave aspect type (for which to add items on the Leave types tab).
User field for leave survey	Select an hours user field to be presented in the remark column of the leave survey or in leave reports.

Leave types

On this tab you can add the items that need to be entered as leave. Per leave type the following can be set up:

Leave type	Select the leave type (belonging to the aspect as entered on the Leave settings tab).
Count in balance	When ticked, a balance administration will be applied to the specified leave type.
Default hours balance	Enter the default number of hours that will be used when assigning leave rights to employees.
Remark	Enter a standard comment if necessary.

As a rule, employees are generally not to take more regular leave than those to which they are entitled. However there are also types of leave such as 'Special leave' for which there are no default hours needed.

Login



In **Maintenance and settings | Settings | Login** you can change the settings for logging in.

The following settings can be changed here:

Determine user name	<ul style="list-style-type: none"> • Manual: user name must always be filled in manually. • System user name: the user name for computer login is filled in automatically. • Use environment variable: user name is obtained from reading the environment variable.
Environment variable	Fill in the environment variable here that is to be used to determine the user name (if 'use environment variable' has been selected).
Password checking	<p>Via application: The password entered by the employee is checked against the password entered when logging in.</p> <p>Via Windows domain: the Windows domain is asked to verify if the password that was entered is correct.</p> <p>Via Single Sign-On with SAML: Log in will be delegated by a SAML identity provider (see Single Sign-On with SAML). (Only i.c.w. TimeWriter cloud server)</p>
Automatic login when possible	<p>If this action is activated login will be automatic with the located user name. If this fails, a login screen will appear.</p> <p>N.B. Automatic login will not work when Determine user name is set to Manual.</p>

Single Sign-On with SAML


If log in should be delegated by a SAML identity provider then you can set this at [Maintenance and settings | Settings | Login](#) . Below is a picture of the SAML settings:

SAML identity provider  Import metadata (url)  Edit metadata (xml)

Identifier (Entity ID) URL:

Login-URL:

Logout-URL:

Certificate: 

SAML service provider (must be used by identity provider)

Identifier (Entity ID) URL:

Response-URL:

Step 1: Enter email addresses

Enter the email addresses per employee in TimeWriter. Use the same email addresses as used by the users in the SAML identity provider.

Step 2: Register TimeWriter at the SAML identity provider

TimeWriter Professional

TimeWriter must be registered as a service provider at the identity provider. The identity provider needs the URL from the field **SAML service provider | identifier (Entity ID) URL**. The URL can be copied from here.

Step 3: Setup SAML identity provider

Most likely the SAML identity provider has got a URL with the metadata (e.g.: *https://your-identity-provider/saml/metadata.xml*). Copy the URL to the editor by clicking on the **Import metadata (url)** button.

If the identity provider has got an xml. Copy that xml to the dialog using the **Edit metadata (xml)** button.

The URL's and certificate will be automatically filled using the above described buttons. Optionally you can enter the URL's and certificate manually.

Step 4: Test the settings

When the settings is saved, you will be prompt for testing the settings. Proceed the test to see if the log in via the identity provider will succeed.

Blocking

Go to **Maintenance and settings | Settings | Blocking** to work on this setting.

TimeWriter knows different kind of blocking. These settings are related to:

1. Blocking's due to period blocking.
2. Blocking's due to saved tariffs.
3. Blocking's due to invoicing.

To prevent completed hour registrations from being edited later, you can block entries made before a certain date or time period. This allows you to secure completed hours calculations after billing for instance.

The following settings can be changed here:

Enable period blocking	Indicate here if blocking is to be applied or not.
Block date	Here you can fill in the required blocking date. Everything <i>before</i> this date will be blocked. If necessary a period of a number of days can be entered here by using the letter D, minus the number of days, e.g. D-45 . Everything <i>before</i> 45 days ago is then blocked.

In this screen you can also select the employees (for example: administrators) to whom the blocking does not apply, by moving them from left (available) to right (selected) in the selection lists using the arrow keys. The text box above the lists can be used to quickly look up details.

Reporting

Go to **Maintenance and settings | Settings | Reporting** to work on this setting.

This is where you can set up the output location for report- and export files and the default font for reports.

The following settings for **the output location for report- and export files** can be changed here:

Default user documents folder	Select this option when file output is to be stored in the Default user documents folder (in Windows: My Documents or Documents).
Other folder	Select this option when file output is <u>NOT</u> to be stored in the Default user documents folder .
Other location for Windows clients	When Other folder is selected the complete Windows path can be entered here or be selected via an open-dialogue. **
Other location for Mac OS X clients	When Other folder is selected the complete Mac OS X path can be entered here or be selected via an open-dialogue. **

*** The %loginname% variable can be included in the path name. In reporting this variable will be replaced by the login name of the logged in user. If the entered path does not appear to exist during reporting, TimeWriter will attempt to create the path. If this is unsuccessful, this is reported and TimeWriter will use to the local folder for temporary files.*

The following settings for **the default font for reports** can be changed here:

Font	Select a font from the list available.
Font size	Select a font size form the list available.

Special days

Go to **Maintenance and settings | Settings | Special days** to work on these settings.

Special days such as Christmas can be marked in the Week grid by a different colour. Text from special days can also be used in reports (when there are hourly bookings on such days).

Dates need to be entered in the format of day-month-year. The year is optional. When a date does not include a year figure, it will count for every year. The letter E can be used to indicate Easter:

- E = Date of first day of Easter
- E+1 = Second day of Easter
- E+39 = All souls day
- E+49 = White Monday (Pentecost day 1)
- E+50 = Pentecost day 2

TimeWriter API

Using the TimeWriter API it is possible to import/export the following data:

- Aspects (employees, customers, projects, activities)
- Relations (combinations en authorizations)
- Hour bookings

To connect to the TimeWriter API you need a **API key** and a **User key**. Go to **Maintenance and settings | Settings | TimeWriter API**.

Click on edit to generate the user key and/or copy the keys. If there is no user key yet, click on  to generate a new user key.

You can find the manual about using the TimeWriter API here:

<https://timewriter.com/media/webhelpapi>.

Update check

Go to **Maintenance and settings | Settings | Update check** to work on these settings.

Here you can enable or disable a weekly update check. The update check will only be executed for administrators

Note: This setting is only available when you are working with a local database. Update checks will always be executed when working in the cloud.

Week grid

In **Maintenance and settings | Settings | Week grid** you can change Week grid settings. This screen contains two tabs; **General** and **View**.

General

On this tab you can set the following:

Times:

Week starts on	Starting day of the week. Default setting is Monday. This can be changed to Sunday if necessary. This setting only affects the Week grid and the Fixed hours list. Reporting reflects the ISO standard that has Monday as its weekly starting date.
Work week starts on	The first day of the work week. **
Work week ends on	The last day of the work week. **
Working day starts at	Starting time of a working day. **
Working day ends at	End time of a working day. **
Lunch break starts at	Start time of lunch break.
Lunch break end at	End time of lunch break.

Minimal time unit	Minimal time unit is used to indicate the shortest possible time period to be entered. Default the unit is set at 15 minutes. Time slots are always rounded off using this unit setting.
-------------------	--

*** The default setting for the Week grid is to show working weeks and working times. The Week grid saves and restores its zoom level. This means that changes to this setting are not always visible.*



The Week grid can be reset to working days and working hours by using the **Zoom** button

Program function:

Do not book on lunch break	When a booking is made across a break, the hourly booking is split.
Warn at invalid bookings	When time slots overlap (or is invalid from mobile) you will be warned to fix this.
Confirm deleting of hour bookings	Prevents accidental deletion of a time slot.
Copy activities of last entry to new booking	Previously chosen aspects and filled in details for user fields will be stored in memory. When a new booking is made these will be filled in again.
Show special days in week grid	Show special days in the Week grid with title and selected colour.

View


On this tab you can define the content and layout of the time slots as they are being displayed in the week grid. The layout and style of the text in these time slots can be customized by using html code. Any changes made are being displayed in a (live) preview.

Available fields	Template	Preview
%Customer_ABBR% %Product_ABBR% %Activity_ABBR% %- not in use -_ABBR% %- not in use -_ABBR% %Times% %Role% %Customer% %Product%	<u>%Customer_ABBR% %Product_ABBR% %Activity_ABBR% %Times% <i>%Role%</i></i> %Customer% %Product% %Activity% %- not in use -% %- not in use -%	Cust Prod Acti - no 9:00 - 12:00 <i>Role name</i> Customer name Product name Activity name - not in use - name - not in use - name

Fields

In the **Fields** module you can allocate names to aspects to reflect terminology used in the your organisation. Mandatory master- and hourly booking data entry requirements can also be set up here.

Aspect types

 See also www.timewriter.com/support/video for instruction video's how customize aspect names (Terminology).

Go to **Maintenance and settings | Fields**. Here you can customize naming of aspects and set up user-defined fields.

The picture below show the default set up for the Customer aspect.

Fields

Hours

Employee

Customer

Product

Activity

- not in use -

- not in use -

Task

Task group

Customer

Here you can give the aspects an own name. A new set of user fields can be created by executing task 800 via **Maintenance and settings | Maintenance tasks**.

Edit

 Customer data invoicing

Properties

Description: Customer

Group description: Customers

In use: ☒

Mandatory: ☒

Always mandatory: ☐

Edit

Up

Down

User fields

Remark

Text 1

Text 2

Text 3

Numeric 1

Numeric 2

User field properties


Internal name: UF002char

Field name: Remark

Field type: Text

In use: ☒

Mandatory: ☐

By clicking on  **Edit** you can change the aspect types. You can set up the following properties for this:

Description	The name of the aspect as used in your organisation.
Group description	Plural of the description, will be placed at the top of the lists.
In use	Use this to indicate if this aspect is to be used or not.

Mandatory	When this is ticked the selection of this aspect will be enforced when making hourly bookings.
Always mandatory	When this is ticked the selection of this aspect will always be enforced when making hourly bookings. The aspect can never be empty.

User defined fields



See also www.timewriter.com/support/video for instruction video's how work with user fields.


User-defined fields are extra details that can be saved with master data or hourly bookings.

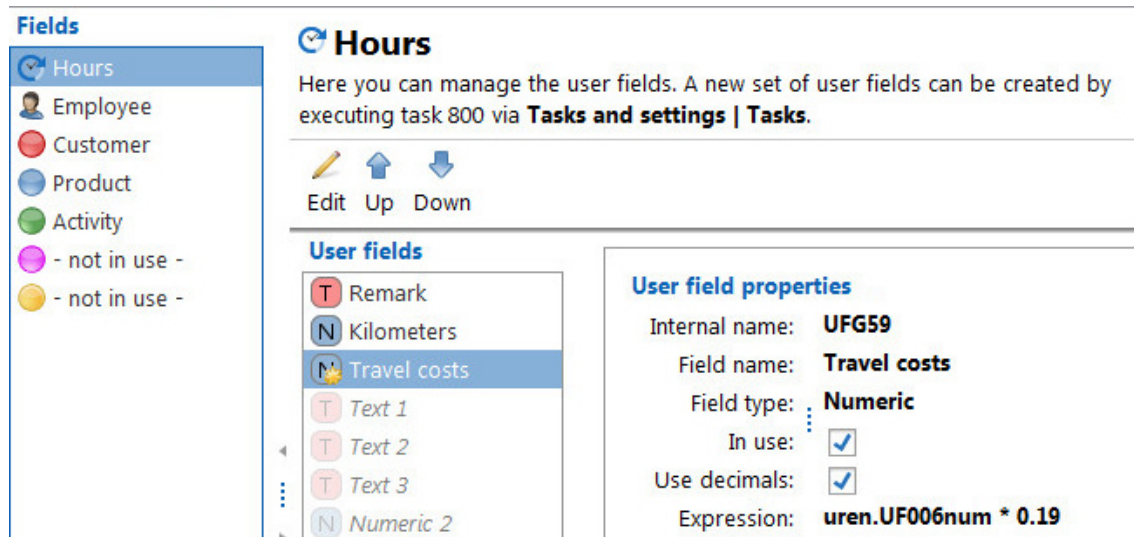
In **Maintenance and settings | Fields** you can enter (per aspect) which user fields are to be used with which aspect and whether or not these fields are mandatory. The field names are adaptable to descriptions that are used within your organisation. In TimeWriter Professional the number of user fields per aspect is unlimited. Available user field types are: text, numeric, date, boolean and list. For some user field types extra settings are available for displaying and entering data.

There are also 2 fixed user fields available for the Task aspect, namely Type and Workflow (names are freely adjustable). A selection list can be defined for these fields. A choice can be made from these selection lists when entering or changing a task, whether or not mandatory.

Task 800 ([Maintenance and settings |Tasks](#)) can be used to generate new user fields.

Calculated user fields

It is possible to perform calculations with fields for reporting. The calculations will take place when executing a report or export. A calculated user field can be recognized by this image: .



The screenshot shows the 'Hours' configuration window. On the left, a 'Fields' list includes 'Hours', 'Employee', 'Customer', 'Product', 'Activity', and two 'not in use' items. The main area is titled 'Hours' and contains a description: 'Here you can manage the user fields. A new set of user fields can be created by executing task 800 via **Tasks and settings | Tasks**.' Below this are 'Edit', 'Up', and 'Down' buttons. The 'User fields' section lists: 'Remark' (T), 'Kilometers' (N), 'Travel costs' (M), 'Text 1' (T), 'Text 2' (T), 'Text 3' (T), and 'Numeric 2' (N). The 'Travel costs' field is selected. To the right, the 'User field properties' for 'Travel costs' are shown: Internal name: UFG59, Field name: Travel costs, Field type: Numeric, In use: ☒, Use decimals: ☒, and Expression: `uren.UF006num * 0.19`.

In the example above the travel costs will be calculated. The field **Kilometers** must be entered when creating an hourly booking. The calculated user fields **Travel costs** multiplies the kilometers value by 0.19. The expression for this calculation will be as follows: `uren.UF006num * 0.19`. The user field **Kilometers** has `uren.UF006num` as its internal name. While entering or editing an expression, the available fields for calculations will be displayed together with their internal names.

More complex expression

It is possible to use SQL to create more complex expressions. For instance: You want to know how many hours are booked per aspect, including the aspects with no bookings. Running a report at the hour table will not display the aspects with no bookings. Therefore we need to define a calculated user field at the aspect itself with the following expression:

```
select sum( uren.duur / 60)
from uren as uren
where uren.aspect_id1 = IT_AT1.ID and uren.type = 0
```

The name of the hour table is uren (Dutch for hours)

You can use the following expression if the total duration must be calculated for a certain period:

```
select sum( uren.duur / 60)
from uren as uren
where uren.aspect_id1 = IT_AT1.ID and uren.type = 0
and uren.START >= '%DATE_FROM%' and uren.START < '%DATE_TO%'
```

NB: You need to have some knowledge about SQL and the database structure to come to the right expression. Please contact us if you need help.

Maintenance tasks

In the **Tasks** module you can run several database maintenance tasks

500 Cleanup

Use this task to delete hourly bookings and/or deleted aspects permanently. To delete hours you can select a period. All bookings within this period will be deleted.

If you have already deleted aspects in the database and there are no hourly bookings linked to them, then you can delete these permanently with this task. Therefore you need to select the option **Delete selected aspects**.

1. Go to the module **Maintenance and settings | Tasks** en select task **500 Cleanup**.
2. Select the option **Delete hours** if you want to delete hours. The begin date will be set automatic to the date of the oldest hourly booking in the database. The end date will be set to December the 31th of 2 years ago. Adjust these dates to your needs.
3. Select the option **Remove deleted aspects** if you want to remove these permanently.
4. Start running the task by pressing the button **Execute task**.

530 Merge aspects

The task merge aspects can merge two different aspects into one aspect. All previously entered hour bookings containing either one of the merged aspects will be adjusted as well.

1. Go to the module **Maintenance and settings | Tasks** en select task **530 Merge aspects**.
2. Select the aspect type (customer, product, activity)
3. Choose the aspect which should be merged at **Choose an aspect**. All bookings which are made on this aspect will be changed to the aspect selected in the next step. This aspect will be deleted after running this task.
4. Choose the aspect where the aspect should be merged into at the **Merge into** option. This aspect will remain. All booking made on the aspect selected in the previous step will be changed to this aspect.
5. Start running the task by pressing the button **Execute task**.



540 Swap aspects

Sometimes the need arises to set up the hour registration in a slightly different way, for example when an extra aspect level has to be applied.

(for example Project -> Task vs. Project -> Phase -> Task)

Task 540 makes it possible to change the aspects order with preservation of data (as far as possible¹).

Go to **Task and settings | Tasks** and select task 540 Swap aspects. The screen will show all aspects in the current order. You can change the order of the aspects using the combo boxes. Every aspect can only be chosen once. Click on button Execute task to start the task. After the task has finished the order of the aspects will be changed as entered. This task can take some time, depending on the size of the administration.

1. Go to **Task and settings | Tasks** and select task **540 Swap aspects**. The screen will show all aspects in the current order.
2. You can change the order of the aspects using the combo boxes. Every aspect can only be chosen once. use the button  and  to shift all aspects 1 position.
3. Click on button **Execute task** to start the task.

After the task has finished the order of the aspects will be changed as entered. This task can take some time, depending on the size of the administration.

¹⁾ changing the order of aspects can lead to a situation where aspect are not consecutive anymore. As a result defined combinations will expire.

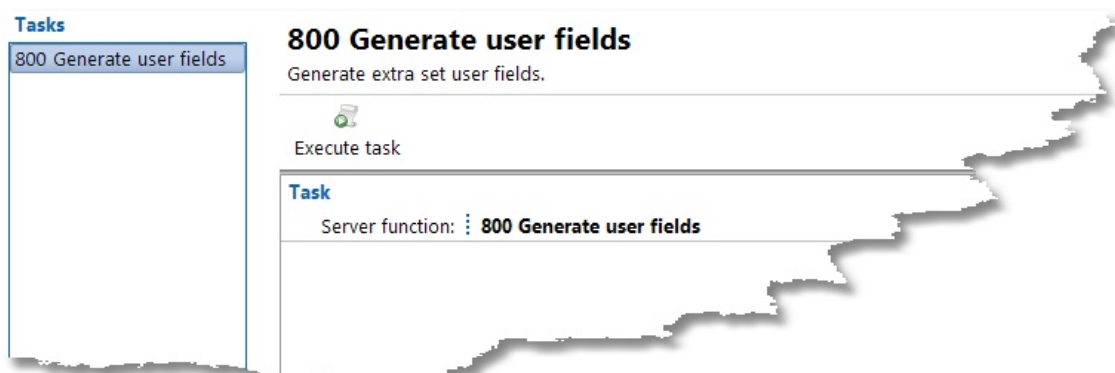
550 Adjust multiple hour bookings

With this task you can adjust aspects of all hour booking in one go.

1. Select the period range for filtering (optional).
2. Select one (or more) aspect(s) to adjust.
3. Select also to which aspect(s) they should by adjust.
4. Click on **Execute maintenance task** to view all the bookings and, if everything looks right, click on **Apply adjustments** to apply the adjustments.

800 Generate user fields

Go to **Task and settings | Tasks**, select task **800 Generate user fields** and click on button **Execute task**. This task will, if needed, generate extra sets of user fields for all aspects and the employee aspect. When the task is completed for each aspect a maximum number of 4 text, 2 numeric, 2 date, 2 boolean and 2 list fields (not in use) are available again.



Reporting



See also www.timewriter.com/support/video for instruction video's how work with reports.

TimeWriter Professional offers the following reporting functions:

- Formatted text reports as on screen previews, printable copies or saved as Word, Excel, HTML or PDF file.
- Export files to export data from TimeWriter to other programs for further action and analysis.
- Grid views with charts and pivot table, to quickly and interactively view and analyse data.

Reports

In TimeWriter Professional various default reports are available, arranged in various groupings. Select **Reporting | Reports** in the **Module explorer**.

TimeWriter is supplied with a series of **Default reports**. These are located in a separate table and cannot be customised. You can generate reports on booked hours, master data, leave and budgets. You can use the default reports but you can also create your own reports as long as you are authorised to do so.

Print preview New New group Edit Rename Delete

Reports

- Own reports
 - Groep
- Default reports
 - Activity reports
 - Balance reports
 - Budget reports
 - Customer reports
 - Customer
 - Customer incl. details
 - Customer month
 - Customer month product incl. details
 - Customer product
 - Customer product activity
 - Customer product activity incl. details
 - Customer product incl. details
 - Customer week
 - Customer week product incl. details
 - Employee reports
 - Leave reports

Report period

Period

Preset: Current year

From: 01-01-2014

Until: 31-12-2014

Filters

Extra selection filter

Field:

Condition:

Content: ...

Runtime filter

Fields:











Generating a report

1. Select the correct report group from the list.
2. Select a report from the group.
3. Enter the required period at the right hand side (see also [Selection filters](#)).
4. Enter the required Extra and/or Runtime filters at the right hand side (see also [Selection filters](#)).
5. Double click on the report or click on the **Print preview** button to generate the report. The report preview will appear on the screen.

Report printing options

There are various options for printing reports. Click on the arrow of the  **Print preview** button.

Various options are:

Button(s)	Function
 Print preview	Print report as preview on the screen.
 Print	Print report to the default printer.
 Print (with printer settings dialog)	Print to another printer (not default printer) or using different page settings.
 Print to DOCX	Print report as docx file. ** <i>Word in Microsoft Office 2007 and more recent.</i>
 Print to HTML	Print report as html file *. * <i>Webpage.</i>
 Print to ODT	Print report as odt file. ** <i>OpenOffice.</i>
 Print to ODS	Print report as ods file. ** <i>Open Document Spreadsheet.</i>
 Print to PDF	Print report as pdf file. ** <i>For example Acrobat.</i>
 Print to XLS	Print report as xls file. ** <i>Excel.</i>
 Print to XLSX	Print report asxlsx file. ** <i>Excel in Microsoft Office 2007 and more recent.</i>

** After printing, the report will be opened with the default program for this type of file. The files will be saved in the output folder as set up in **Maintenance and settings | Settings | Reporting**. Default for this is the Default user documents folder (in Windows: My Documents or Documents).

Designing/changing reports

See [Report designer](#).


Exports

TimeWriter Professional offers various export options, arranged in various groups. Select **Reporting | Exports** in the **Module explorer**.


TimeWriter is supplied with a series of **Default exports**. These are located in a separate table and cannot be customised. You can generate exports on booked hours, master data, leave and budgets. You can use the default exports but you can also create your own exports as long as you are authorised to do so.

TimeWriter includes the following export formats:


Extension	Description
.csv	Comma separated text file
.xls	Excel '97 - 2003 file
.xlsx	Excel 2007 and newer file
.ods	Open document Spreadsheet
.txt	Tab-separated text file
.xml	XML file




Start export




New




New group



Edit



Rename



Delete

Exports

Own exports

Groep

Default exports

Export to csv

Activity to csv

Customer to csv

Employee to csv

Hours to csv

Product to csv

Export to excel

Export to ods

Export to text

Export to xml

Report period

Period

Preset:

Current year

From:

01-01-2014

Until:

31-12-2014

Filters

Extra selection filter

Field:

Condition:

Content:

Runtime filter

Fields:

Creating an export

1. Select the correct export group from the list.
2. Select an export from the group.
3. Set up the required period at the right hand side (see also [Selection filters](#)).

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4. Also set up any required Extra and / or Runtime filters at the right hand side (see also [Selection filters](#)).
5. Double click on the export or click on the **Start export** button to generate the export.
6. Files are saved in the folder set up in **Maintenance and settings | Settings | Reporting**. Default for this is the Default user documents folder (in Windows: My Documents of Documents).

Designing/changing exports

See [Report designer](#).

Grid views

TimeWriter Professional offers various grid view formats, arranged in various groups. Select **Reporting | Grid views** in the **Module explorer**.

TimeWriter is supplied with a series of **Default grid views**. These are located in a separate table and cannot be customised. You can generate grid views for booked hours, master data, leave and budgets. You can use the default grid views but you can also create your own grid views as long as you are authorised to do so.

A grid view is a variant of a general report. The biggest differences are:

- Data is shown in a grid format.
- You can interactively group and sort fields. Groups can be expanded and collapsed to show or hide data.
- All numerical fields are automatically being totalled.
- Easily create and change your own grid view.
- The view shown on screen can also be printed (including expanded or collapsed groups).
- Data can be converted into graphs.
- You can arrange data in a pivot table.

Start grid viewNewNew groupEditRenameDelete

Grid views

Own grid views

Groep

Default grid views

Hours grids

Activity hours grid

Customer hours grid

Customer product activity hours grid

Customer product hours grid

Product hours grid

Master data grids

Report period

Period

Preset: Current year

From: 01-01-2014

Until: 31-12-2014

Filters

Extra selection filter

Field:

Condition:

Content:

Runtime filter

Fields:

Generating a grid view

1. Select the correct grid view group from the list.
2. Select a grid view from the group.
3. Enter the required time period at the right hand side (see also [Selection filters](#)).
4. Also enter any Extra and / or Runtime filters at the right hand side (see also [Selection filters](#)).
5. Double click on the grid view or click on the **Start grid view** button to view on screen.

90



Designing and changing grid views

see [Report designer](#).

Selection filters

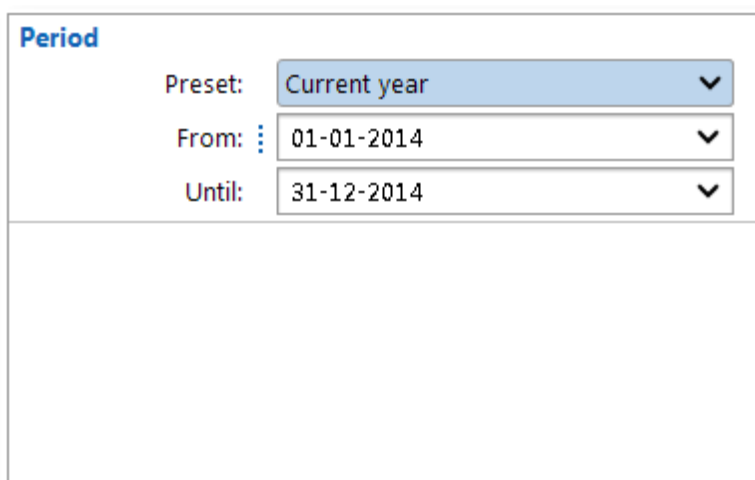
Selection filters can be used for Reports, Exports and Grid views. The following selection options are available:

- Period
- Extra selection filter
- Runtime filter

When in below explanation a reference is made to a report it also applies to an export or grid view.

Period

Select the reporting period based on a pre-set or a random time period using the **From** and **To** fields.



The screenshot shows a dialog box titled "Period" with three selection fields. The "Preset" field is a dropdown menu currently showing "Current year". The "From:" field is a date picker showing "01-01-2014". The "Until:" field is a date picker showing "31-12-2014". Each field has a small downward arrow icon on its right side. Below these fields is a large empty rectangular area.

Period	
Preset:	Current year ▼
From: :	01-01-2014 ▼
Until:	31-12-2014 ▼

Extra selection filter

The content of reports can be limited by using an Extra selection filter. This can limit the report to only one customer for instance.

Extra selection filter

Field: Customer name ▼

Condition: = equals ▼

Content: ...

The **Content** field can be populated by using the following dialogue.

Change filter content
? □ ×


☐ Free text

----- Or -----

☒ Select from list

☒ Select all

	Customer name ^1
<input checked="" type="checkbox"/>	Alberts autoshop
<input checked="" type="checkbox"/>	BMW-dealer Brown
<input checked="" type="checkbox"/>	Bookshop Winkels
<input checked="" type="checkbox"/>	deVries Volkswagen
<input checked="" type="checkbox"/>	Intern
<input checked="" type="checkbox"/>	Plants Garden Center



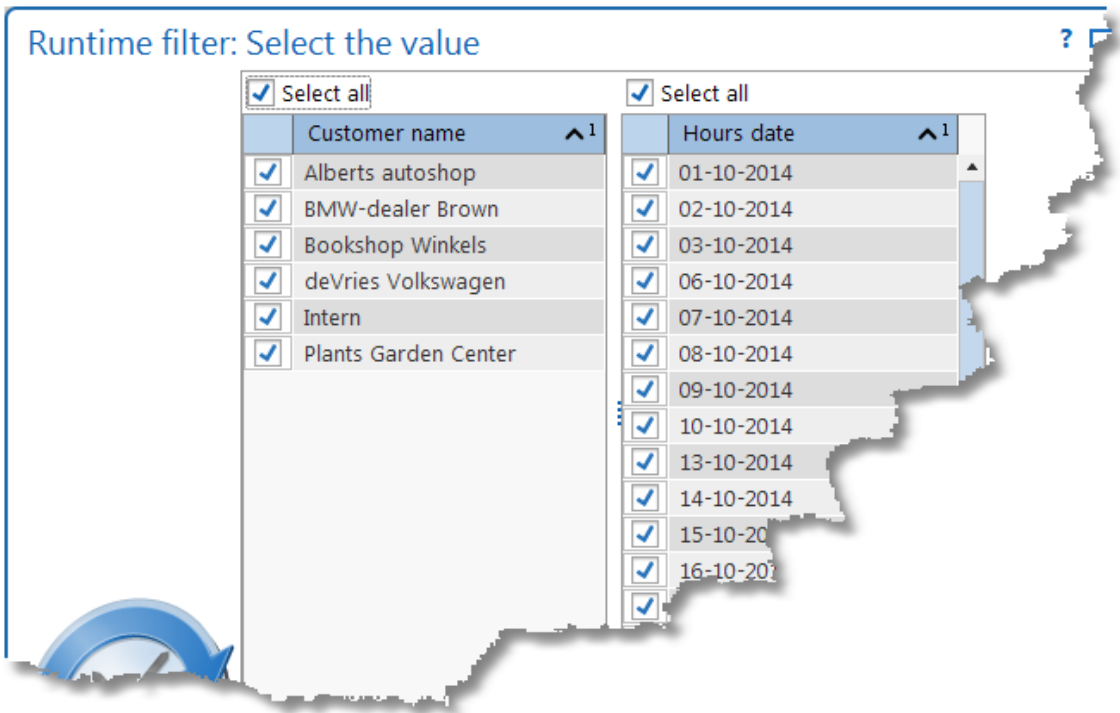
Note: Content is limited to the selected period.

☒ Save ☐ Cancel

Choose the **Free text** option to be able to manually type in (part of) the Customer name, or select the **Select from list** option to select items from a list with available values.

Runtime filter

The Runtime filter shows available values for the filter-selected fields and offers the opportunity to apply any filter combination.



Output documents (split documents)

Set if the document to print or to export must be split into multiple documents, based on the first field of the output fields list of a report.

☒ Split documents at: Customer

Report designer



See also www.timewriter.com/support/video for instruction video's how work with reports.

The Report designer makes it easy to create new reports, exports and grid views. All new designs are saved in the TimeWriter database and will always be available to anyone in your organisation who uses TimeWriter.

General

Creating a design

Select the required module (Reports, Exports or Grid views) in **Reporting** in the **Module explorer**.

Click on **New**, and the **Report designer** will appear.

Table fields Selection filters

Tables

Select a table: Activity



Output fields

Field	Title	Width	Group	Total	Nw page	Runtime filter
Activity name	Activity name	-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity abbr	Activity abbr	40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity overhead	Activity overhead	40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Table fields tab

1. Click on the Table fields tab. This is where you determine what is to go in the columns of the report.
2. Select the data type that is to be processed in the report in **Select a table**.
3. Click on to add one or more fields. Which fields are available depends on previously selected data types. Using allows you to remove a selected field.
Note: You can not add, delete or move fields of custom made reports, the buttons will be disabled.
4. By double clicking on a column cell, you can alter its contents:
 - Description of field name and field title.
 - Column width. **
 - Group = Yes: field will be grouped; a new value results in a new subheading. **N.B.** The fields to be grouped **MUST** be located at the top of the list. **
 - Total = Yes: field will be totalled; after every change to the grouped field a total for this field will be produced. **
 - Nw page = Yes: Subheadings will be put on a new page.
 - Runtime filter = Yes: The field will be used by default in the **Runtime filter**.




Note: The Group, Total, and New page options can not be set for numeric fields. In that case the options will be disabled.

5. With  and  you can move output fields. The first field will become column 1 in the report, the next one becomes column 2 and so on.
6. When **Show detail lines when grouping** is ticked, the detail lines related to the grouping will be shown in the report.

At the bottom of the tab the total width of columns can be seen in pixels. If the maximum column width is exceeded then the line will turn red and column widths will need to be fixed. **

*** Only available / visible in the designer of the reports module, not in the designer of the exports- and grid views module.*

Selection filters tab

1. Click on the Selection filters tab. This is where you set up what requirements the reporting details need to meet.
2. You can use **Extra selection filter preset** to define a selection filter in advance. When the report is selected this setting is shown in **Extra selection filter**.
3. The **Predefined filter on content** can be used to enter one or more criteria that must be met by the report selection. Click on  to add a new filter rule, use  to remove a selected filter rule. An existing filter rule can be changed with .

Scripting tab

Scripting is only to be used by experienced users with a solid knowledge of javascript and the TimeWriter database.

1. Click on the Scripting tab.
2. By selecting **Use scripting** the script editor and use of scripting is activated.
3. In the script editor javascript code can be entered. This code will be executed on the query result of the report, export or grid view.

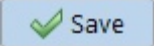
Other tabs

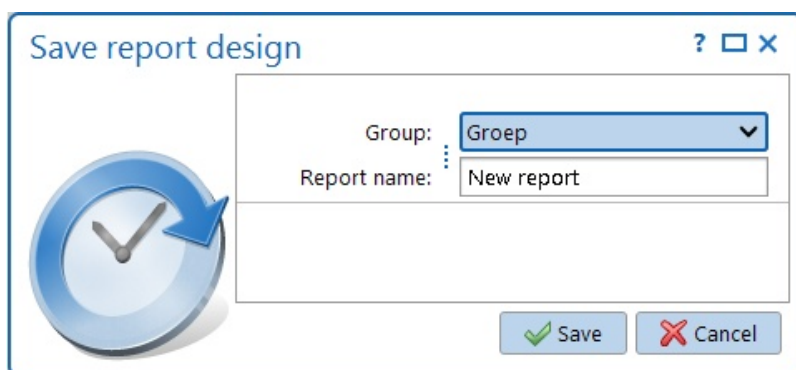
Report specific tabs see: [Reports](#).

Export specific tabs see: [Exports](#).

Grid view specific tabs see: [Grid views](#).

Saving

Click on  to save the design.



Save report design

Group: Groep

Report name: New report

Save Cancel

Changing the design

1. Select the required reporting module in the **Module explorer**.
2. Select the correct report, export or grid view group from the list.
3. Select the required report, export or grid view from this group.
4. Click on **Edit**.
5. Proceed the same way as in Creating a design. You can also save a changed design under a new name via **File | Save as**.

Reports

Below is an overview of report-specific settings.

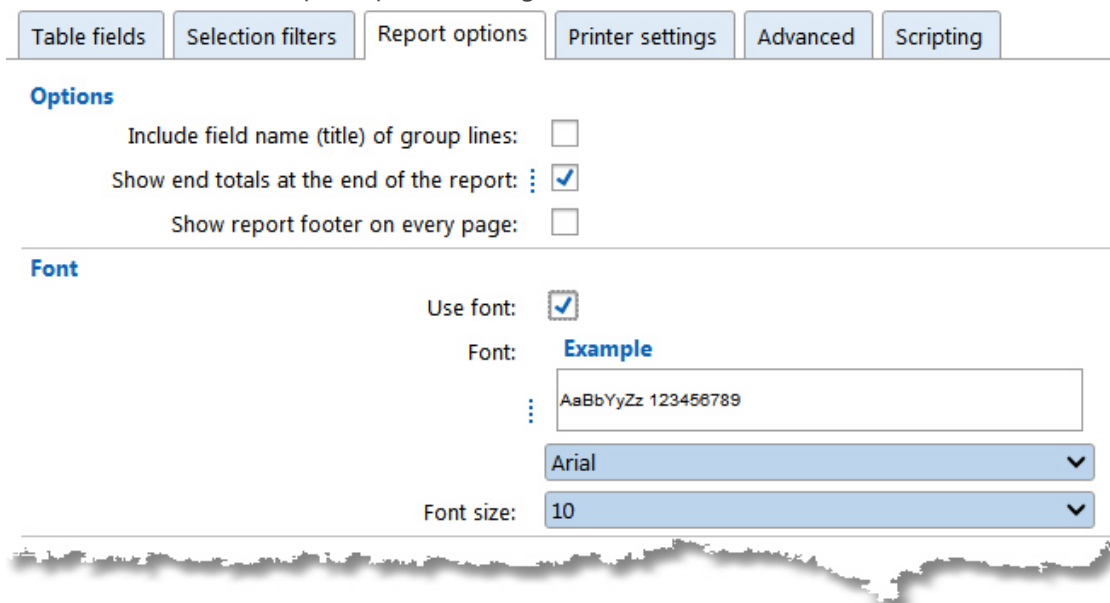


Table fields Selection filters Report options Printer settings Advanced Scripting

Options

Include field name (title) of group lines: ☐

Show end totals at the end of the report: ☒

Show report footer on every page: ☐

Font

Use font: ☒

Font: Example

AaBbYyZz 123456789

Arial

Font size: 10

Report options tab


1. Click on the Report options tab. You can edit two format settings for reports here.
2. By ticking **Include field name (title) of group lines** the group name will also become visible in the field title together with the grouping value.
3. By ticking **Show end totals at the end of the report** the end totals for group fields will be shown at the end of the report.
4. By ticking **Show report footer on every page** the report footer will not only printed on the last page, but on every page.
5. By ticking **Use font** you can choose a different font and/or font size to be used for the report.

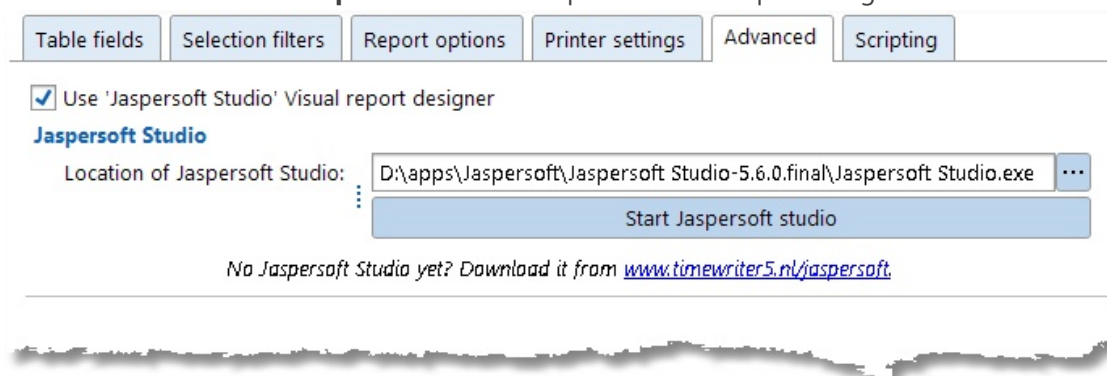
Printer settings tab

1. Click on the Printer settings tab. You can edit the printer settings for the report here.
2. By ticking **Print in landscape** the report will be printed in Landscape orientation (as opposed to Portrait).
3. By ticking **Use common printer settings** you can set up the default printer for the report. A number of printer properties can also be set for the selected printer.

Advanced tab

The visual report editor is only to be used by experienced users with a solid knowledge of Jaspersoft Studio and the TimeWriter database. The Jaspersoft report designer has to be installed first and can be downloaded at: www.timewriter5.nl/jaspersoft.

1. Click on the Advanced tab.
2. Select **Use 'Jaspersoft Studio' Visual report designer** to be able to use the visual report designer.
3. Set up the location of Jaspersoft Studio. Click on button  to search and select the program using the explorer.
4. Click on button **Start Jaspersoft studio** to open the visual report designer.



Exports

Below you will find an overview of export-specific settings.

Export options

Export format: Excel '97 - 2003 file (.xls)

Output folder: C:\Users\pieter.XSODOMAIN\Documents

Destination file name: export %d% %t%

(%d%=date, %t%=time, %w%=weekno, %loginname%=login name)

Action after export

Open file after export: ☒

Open file after export with:

Export display options

Use fixed display formats: ☐

Decimal separator: , (comma)

Date notation: dd-MM-yyyy

Time notation: H:mm

(Date e.g.: d-M-yyyy , Time e.g.: hh-mm a (a means am/pm))

Export options tab

The following options are available:

1. Export options

Indicate here which file format you want to use for exports (.csv, .txt, .xml, .xls, .xlsx or .ods). The default output folder as set up by the Administrator is shown here. If needed, change the by TimeWriter suggested file name. If you want to you can add the complete path to the file name; the file will then be placed in this folder. Variables can be used in the file name. These variables will then be replaced by the associated values when the file is generated. The following variables are available:

%d% = actual date (year/month/day)

%t% = actual time (hours/minutes/seconds/_milliseconds)

%w% = actual week number

%loginname% = user login name

In the above example "export %d% %t%.xls" on December 4th 2014 at 14:14 hours will result in: "export 20141204 1414_809.xls".

2. Action after export

By ticking 'Open file after export' you indicate that the generated export file needs to be opened by the standard application associated with the file format. If needed, use 'Open file after export with' to fill in an alternative program that should open the generated report automatically. The report can then be checked straight away and edited if necessary.

3. Export display options

Standard display options are taken from the [Personal settings](#). When 'Use fixed display formats' is ticked a (deviating) decimal separator and / or a (deviating) date and time display can be set up.

4. Exporting to CSV options

This option will only be shown if .csv is chosen in Export options. For this file format, the following can be set up: the quote character (between which field values are posted), the field delimiter and the display for empty text (as blank text or as "null").

Export to CSV options

CSV quote character:

"

CSV field separator:



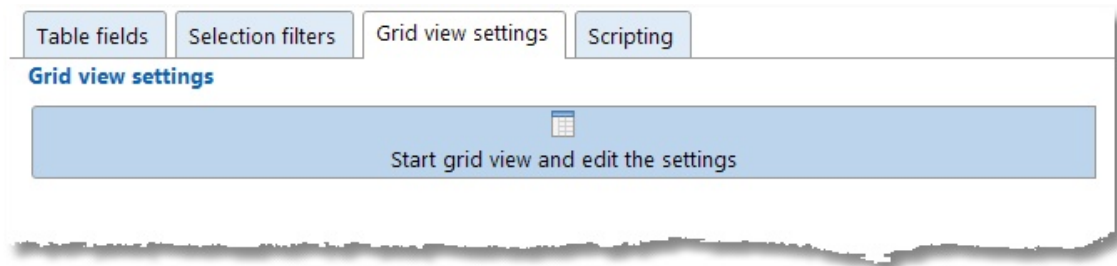
,

Print empty text as 'null':

☐

Grid views

Below you will find an overview of grid view specific settings.



Grid view settings tab

Clicking the button '**Start grid view and edit the settings**' on this tab, will open a screen containing three tabs:

1. Grid view

Under this tab, you can set up grouping for a grid view by dragging one or more column headings to 'Drag columns here to group'. By clicking on a column header you can sort that column. Clicking again reverses the sorting order. If you hold down the [Ctrl] key and click on second column header, you will get sub sorting of that column.

2. Chart

Charts can be created from the grid view data. In 'Chart options', specify which field indicates the series and which field indicates the values for the chart. Please specify in 'Chart view' whether the default version is to be a bar chart or a pie chart by choosing the appropriate tab. A number of display options can be set for both types.

3. Pivot table

A Pivot table allows you to interactively compare data in columns against the data in rows. By including multiple fields in a row and/or in a column you can group the data in a flexible way. You can also filter on certain data. You can extract different information from a pivot table for which you would normally need to run many reports.

On the right hand side, the available **S**eries- and **V**alue fields are shown. Drag these fields to the left to their destination locations. By dragging the fields you quickly build up an overview of data and keep getting different perspectives of the data. By clicking on the series fields you can sort using the associated series. It is recommended that you 'play around' with the pivot table. You will see how much information it can provide you with.

Next, save the settings so they are kept as default for the created display format.

Auditing

This chapter describes the approval, leave survey and budget auditing functions.

Approval

By using approval you can 'lock' the hour registrations after they have been checked and approved by a manager.

Approval is configured in **Master data | Employee**. On the Approval tab of the Access tab can be set for which employees a manager can approve the hour registrations. On the Approval tab for the selected employee/manager can be set up to which level an hourly booking can still be edited, the maximum approval level that can be set and if leave can be approved.

Based on which aspect approval can be set can be edited at [Settings | Approval](#). Also the colors and descriptions of the different approval levels can be edited here.

The usual way to approve bookings is as follows:

1. An employee books his or her hours and set approval level 'for approval'
2. The manager approves or disapproves the hour registrations by setting the appropriate approval level.
3. After an hour registration has been approved it is locked.

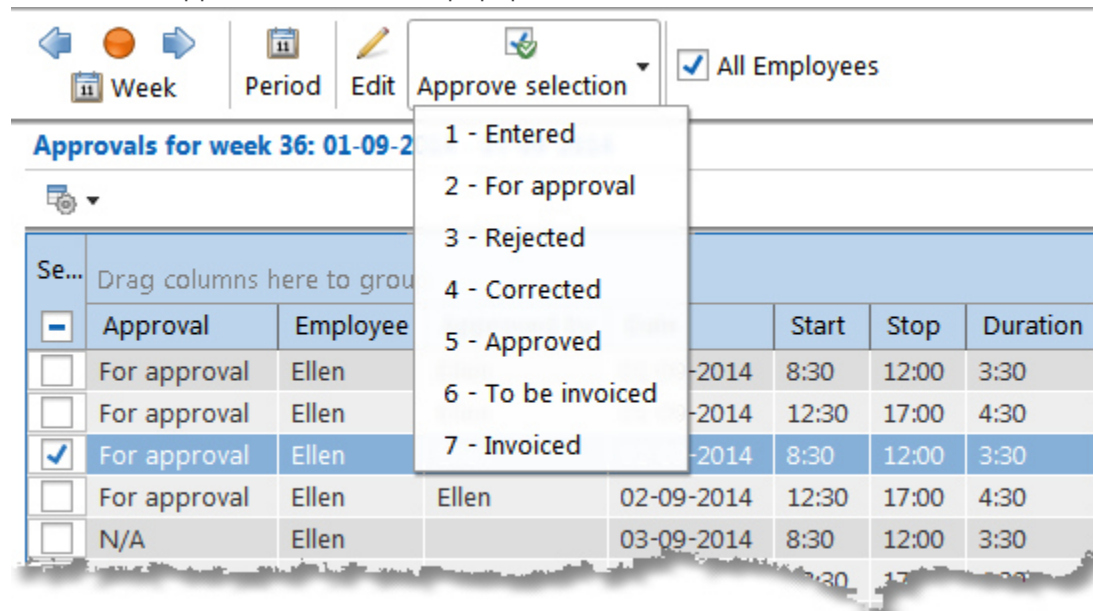
When this approval screen is selected all hour bookings to which the logged on user has approval access will be shown for the active week. Normally an employee will only have access to his or her own hours, but a manager gets the hours of all aspects which for which he or she is authorised to approve. The employee list only contains employees for whom hour bookings are actually found.

The screenshot displays the 'Approvals for week 36: 01-09-2014 - 07-09-2014' screen. At the top, there are navigation icons for 'Week', 'Period', 'Edit', and 'Approve selection', along with a checkbox for 'All Employees'. Below this, the 'Employees' list on the left includes Administrator, Demo, Ellen (selected), and Fred. The main table on the right, titled 'Se...', has columns for 'Approval', 'Employee', 'Approved by', 'Date', and 'Start'. The table contains several rows of data, including 'For approval' entries for Ellen and 'N/A' entries.

Se...	Approval	Employee	Approved by	Date	Start
<input type="checkbox"/>	For approval	Ellen	Ellen	01-09-2014	8:30
<input type="checkbox"/>	For approval	Ellen	Ellen	01-09-2014	
<input type="checkbox"/>	For approval	Ellen	Ellen	02-09-2014	
<input type="checkbox"/>	For approval	Ellen	Ellen	02-09-2014	
<input type="checkbox"/>	N/A	Ellen			
<input type="checkbox"/>	N/A	Ellen			
<input type="checkbox"/>	N/A	Ellen			
<input type="checkbox"/>	N/A	Ellen			

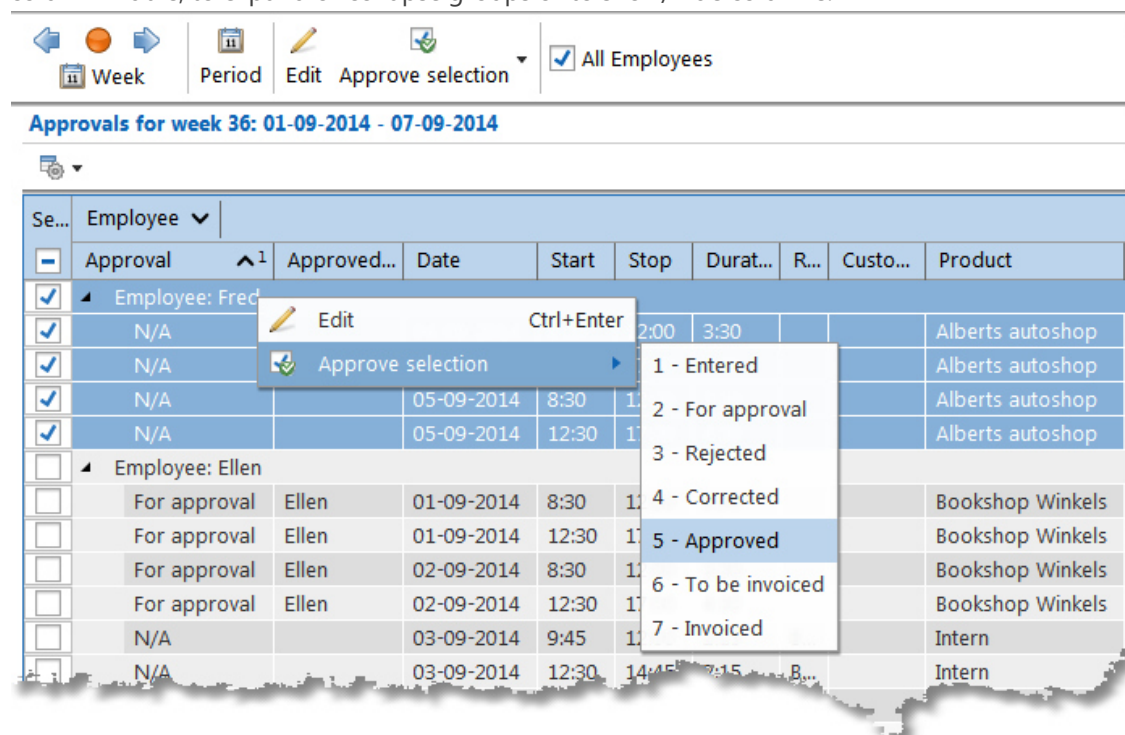
The approval level can be set as follows:

1. Select the hour booking(s) that have to be approved by setting the checkbox in the **Selection** column.
2. Click on the **Approve selection** button to approve the selected hour booking(s).
3. Select the approval level from the popup menu.



By selecting the checkbox **All employees** in the button bar the employee list will disappear and all hour bookings of all aspects will be shown for which one is authorised to approve.

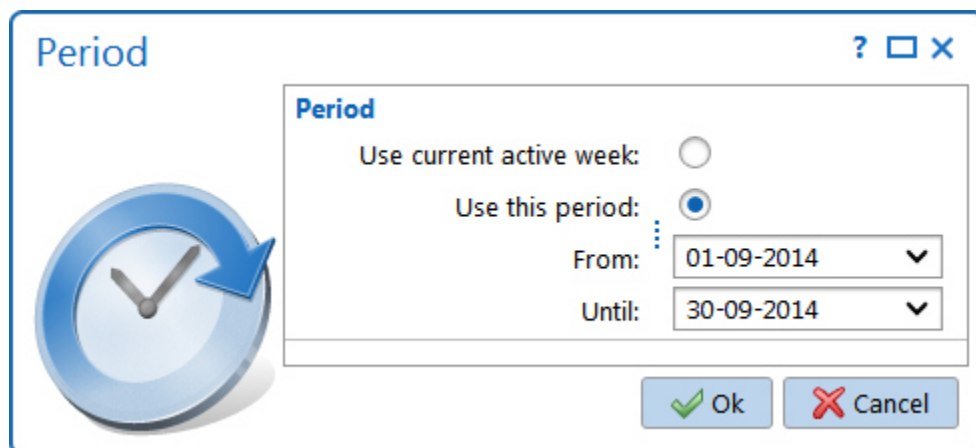
You can move and resize the grid columns by dragging or resizing the column headers. By dragging and dropping the column headers to the area above the grid the data can be grouped. The example below shows a grouping on employee. A group row in the overview can be recognized by the ◀ or ▶ in front of the row. Use button to (automatically) adjust the column widths, to expand or collapse groups or to show/hide columns.



TimeWriter Professional

A group can be approved without first selecting all rows within that group. Select the checkbox on the grouped row, all child rows will be selected. After that you can select the approval level by pressing the **Approve selection** button or choose it from the right mouse click menu.

A different period can be selected to show hourly bookings for approval. Click on the **Period** button to set the desired period in the screen below.



The 'Period' dialog box features a clock icon with a blue arrow pointing to the right. It contains two radio buttons: 'Use current active week' (unselected) and 'Use this period:' (selected). Below the selected radio button are two date pickers: 'From:' set to '01-09-2014' and 'Until:' set to '30-09-2014'. At the bottom right are 'Ok' and 'Cancel' buttons.

For bigger time periods it can take longer to load all hour bookings.

Leave survey

Employees are able to request an annual leave survey of approved leave, booked leave and leave balance. Select **Auditing | Leave survey** in the **Module explorer**.

Edit leave booking Set leave status ☐ Only leave types with a balance ☐ All Employees

Employees
Q-
... Name
Administrator
Demo
Ellen
Fred

Leave year
2016
2015
2014
2013

Leave details 2014
Se... Drag columns here to group

	Empl...	Leave stat...	Leave type	Remark	Date	From	To	Hours
	Ellen	Assigned	Regular le...	Assigned l...	01-01-2014			192,00
<input type="checkbox"/>	Ellen	Approved	Regular le...		14-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen	Approved	Regular le...		15-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen	Approved	Regular le...		16-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen	Approved	Regular le...		17-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen	Rejected	Regular le...		18-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen	Approved	Jury Duty		21-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen		Regular le...		22-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen	Approved	Regular le...		23-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen		Regular le...		24-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen		Regular le...		25-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen		Regular le...		28-07-2014	8:30	12:00	-3,50
<input type="checkbox"/>	Ellen		Regular le...		28-07-2014	12:30	16:30	-4,00

Leave summary 2014 (Ellen)

Leave type	Credit	Booked	Balance
Jury Duty	0,00	16,00	-16,00
Regular leave	192,00	109,50	82,50

A leave booking without status or with status rejected can be edited by using the **Edit leave booking** button.

For authorised employees the **Set leave status** button is also available. This allows editing the status of leave bookings.

<input type="checkbox"/>	Ellen	Approved	Regular le...		17-07-2014	8:30	16:30	-8,00
<input checked="" type="checkbox"/>	Ellen	Rejected	Regular le...		18-07-2014	8:30	16:30	-8,00
<input checked="" type="checkbox"/>	Ellen		Jury Duty		21-07-2014	8:30	16:30	-8,00
<input checked="" type="checkbox"/>	Ellen				22-07-2014	8:30	16:30	-8,00
<input checked="" type="checkbox"/>	Ellen				23-07-2014	8:30	16:30	-8,00
<input checked="" type="checkbox"/>	Ellen				24-07-2014	8:30	16:30	-8,00
<input type="checkbox"/>	Ellen		Regular le...		25-07-2014		16:30	-8,00
<input type="checkbox"/>	Ellen		Regular le...		28-07-2014		12:00	-3,50
<input type="checkbox"/>	Ellen		Regular le...		28-07-2014		16:30	-4,00

Edit leave booking Ctrl+Enter

Set leave status

None

Approved

Rejected

By ticking **Only leave types with a balance**, only leave bookings for leave types requiring a balance administration will be shown in **Leave details**.

If the logged in employee has access to the hours of other employees, these other employees will be shown here also. All employees can be shown in the same leave details grid by using the 'tick' option at **All employees**.

Budget auditing

Employees linked to budgets as **Budget keepers** need to check their allocated budgets. Select **Auditing | Budget auditing** in the **Module explorer**.

Edit status


Calculate

Show details

Status	Notified by	Name	Type	Start date	End date	Budget	Current value	Percentage	Balance	Alert on value
Active		Budget FlyBy	Tariff	01-11-2014	31-12-2014	25.000,00	2.602,50	10,41%	22.397,50	25.000,00
Exceeded		Budget Garage Software	Hours	01-09-2014	30-11-2014	321,00	344,00	107,17%	-23,00	256,80
Active		Budget OxO	Hours	01-11-2014	31-12-2014	400,00	56,25	14,06%	343,75	400,00

The screen shows all active budget information for the logged in budget keeper. If a budget is selected from the list and it is an **Exceeded** or **Notified** budget, the **Edit status** button in the top left hand corner will become active. Clicking on this allows you to choose one of the following options in the next screen:

1. Exceeded, the budget will be signalled again.
2. Notified, this will indicate that you have seen that the budget has been exceeded and does not have to be signalled again.
3. Notify again at ... %, when this option is chosen, a new signalling percentage can be set up. After a percentage edit, the budget's status will be reset to **Active**.



Budget: Budget Garage Software

Action

Exceeded: ☒

Notified: ☐

Notify again at %: ☐

Notify percentage: 80%

Save

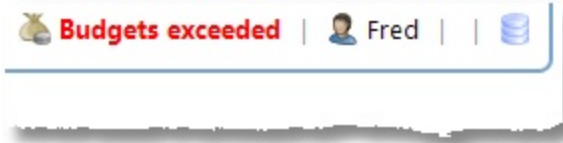
Cancel

The **Calculate** button is used to recalculate the actual values of the budgets. The chapter on [Budgets](#) describes how and when budgets are recalculated.

Via the **Show details** button, an overview of hourly bookings related to the selected budget will be shown.

Automatic budget auditing

When a **Budget keeper** starts up TimeWriter and budgets have been set up for him/her, TimeWriter will check these automatically. If a (to set up) percentage of a budget is exceeded, a red flashing message will appear in the TimeWriter status bar at the bottom to the right:



Click on the message in the status bar to open the **Budgets exceeded** screen. Only the exceeded budgets for the logged in Budget keeper will be shown in this screen.

Edit status | Calculate | Show details

Status	Name	Type	Start date	End date	Budget	Current value	Percentage
Exceeded	Budget Garage Software	Hours	01-09-2014	30-11-2014	321,00	344,00	107,17%

Functionality of the buttons seen in this screen is the same as described above in **Budget auditing**.

Invoicing

This chapter describes the use of the TimeWriter invoicing module.

Settings

For the purposes of invoicing there are various settings which will be described in the next chapters.

Company data

Go to the module **Invoicing | Settings | Company data** to set the settings for your company.

Company data are for example needed to generate PDF- and UBL-invoices.

Customer data

Go to the module **Invoicing | Settings | Customer data** to set the settings for invoicing.

Properties

Define here which aspect is the 'Customer aspect'.

You can also set here whether you want to use the online Dutch CoC database for searching and entering the customer data.

Customer invoice data

Indicate here for the chosen aspect (customer) which data (required for invoicing) you want to record. Possible options are: Address data, Contact data (contact person and e-mail address), CoC-number, E-mail, Debtor id, Reference, Ledger account debtor, Ledger account turnover and Ledger account VAT/VAT code. Of each option can be set whether it should be used and whether it is mandatory. Availability of certain options depends on the chosen accounting link (see: [Accounting](#)). The data can be entered at the customer master data.

Invoicing

At **Invoicing | Settings | Invoicing** you can edit the settings for invoicing.

Order number

By default, the order number starts with 1 and will be increased by 1 for every new order. Here you set the order number (starting) value.

Invoice number

By default, the invoice number starts with 1 and will be increased by 1 for every new invoice. Here you set the invoice number (starting) value.

Invoice specification report

Select the report to be used for printing an invoice specification.

Note: The selection list only contains the default Invoice specification report and own reports based on a copy of this default report. The default Invoice specification report can be found in module **Reports**; report group **Default reports**; sub group **Invoice reports**.

Invoice travel costs

Set here, if travel costs are registered, if they have to be invoiced.

Invoice expenses

Set here, if expenses are registered, if they have to be invoiced.

VAT% expenses

Entering expenses is always an amount including VAT, invoicing is based on amounts excluding VAT. Specify here at which VAT percentage the expense amount excluding VAT should be calculated.

Currency

Here you can enter the currency symbol for PDF invoices (e.g. €) and the currency code for UBL invoices (e.g. EUR).

Group by

Grouping is set separately for all available invoicing scenarios (invoicing hours and the different task types).

Default there is no grouping set. As a result every hour booking will be one invoice line. If this is not desirable you can group on several fields. Here you can set the grouping.

Grouping examples:

Group by Week: Every week will result in one invoice line.

Group by Week and Employee: Every combination of week and employee will result in one invoice line.

The order can be arranged using the buttons **Up/Down**.

Only when there is **no grouping** set, all details (user fields for instance) can be used on the invoice line. Otherwise the variables to select depend on the grouping set, not selectable variables are grayed out.

Invoice line template

At the invoice line template you can set which data must be used and how it will look like. This is set separately for all available invoicing scenarios (invoicing hours, the different task types, travel costs and expenses).



Click on **Proposal** to generate a default invoice line template using the grouping settings from above.

Click on **Edit** to edit the template.

Available fields

- %Employee%
- %Product%
- %Activity%
- %Date%
- %Week%
- %Duration%
- %DurationDecimal%
- %VATPercentage%
- %VATAmount%
- %AverageTariff%

Template

Edit Font

%Employee%
Week:%Week%, Number of worked hours: %Duration%

Preview

Employee name
Week:2016/10, Number of worked hours: 4:30

On the left side you can see the available variables. The template is on the right side. Here you can give the template a format (font style).

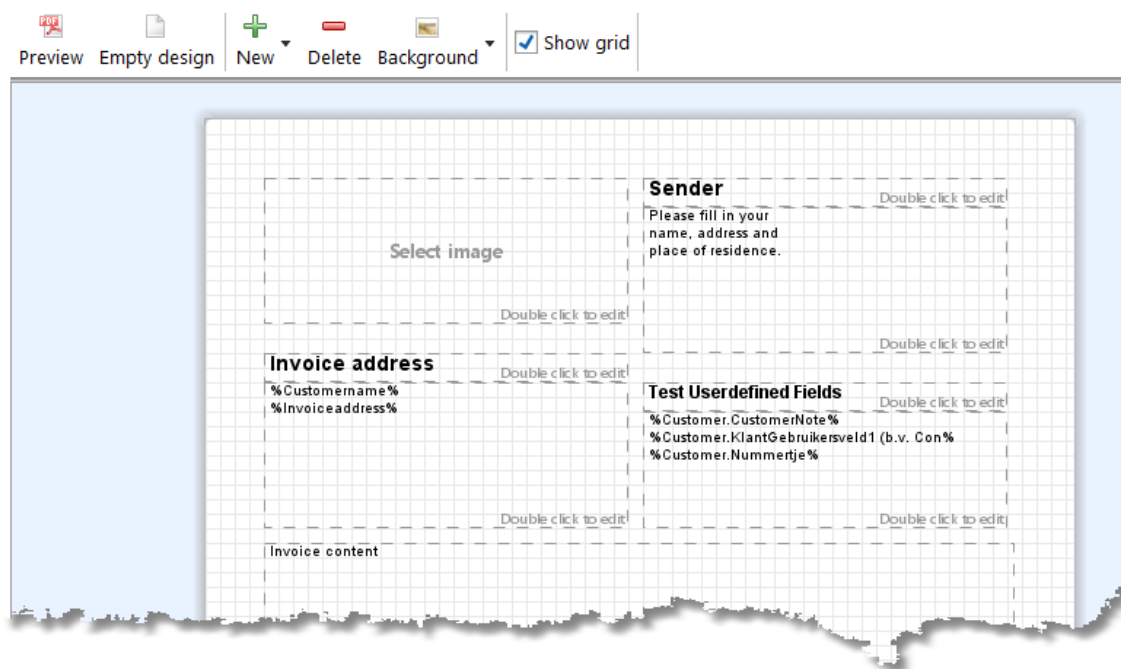
To add the variables to the template text you can drag & drop them. Below the template you can see an example of how it will look like on the invoice. It is also possible to add normal text, like this example.

NB: The template will be used when generating new orders. A change of the template will only be effective to new orders.

Invoice layout






For changing the invoice layout go to **Invoicing | Settings | Invoice layout**. Click Edit to change the layout.

Note: This setting is only meaningful when link to an accounting is set to: "Export journal entries".



The position and size of every element can be changed easily using the mouse. Double click on a text element to change the text. It is also possible to change the text color, background color, font, font style and alignment. There are several variables available. These variables can be dragged from the list to the text area.

The buttons have the following functions:

Button	Function
 Preview	Generate a preview in pdf format.
 Empty design	Start a new empty/default layout design.
 New	Click on new to add a new element to the layout. This can be a text element or an image.
 Delete	Delete the selected element.
 Background	A background can be set using the background button.
<input checked="" type="checkbox"/> Show grid	The grid lines in the designer can be show or not using this tick option. The grid lines are only visible at design time for easier aligning of the elements.

E-mail

At **Invoicing | Settings | E-mail** you can edit the settings for outgoing e-mail.

Note: This setting is only meaningful when link to an accounting is set to: "Export journal entries".

The following settings can be changed here:

Outgoing e-mail server	Host name for the server for outgoing e-mail
Port	Port number used for the server for outgoing e-mail
User name	User name for authentication (if applicable)
Password	Password for authentication (if applicable)
Company e-mail address	Sender e-mail address for outgoing e-mail ("from" address)
BCC (copy to yourself)	E-mail address for sending a copy to yourself
Use TLS	Set if TLS (Transport Layer Security) has to be used

E-mail layout

At **Invoicing | Settings | E-mail layout** you can edit the layout for sending invoices by e-mail.

Note: This setting is only meaningful when link to an accounting is set to: "Export journal entries".

You can add variables to the message text as well as the subject line. These variables can be dragged from the list on the left to the subject line or message text area. When sending an e-mail the variables will be replaced by their content. You can also add an image, for example a company logo.

Variables

- %Customername%
- %Debtoid%
- %Invoicereference%
- %Invoiceaddress%
- %Contact%
- %Invoicenumber%
- %PageNo%

E-mail layout

Properties

Subject: Invoice no. %Invoicenumber% of [your company name]

Message

Dear %Contact%,

Thank you for your order.

You will find the electronic invoice as an attachment to the

Kind regards,

[your company name]

Accounting

At **Invoicing** | **Settings** | **Accounting** you can change the settings for linking to an accounting.

On the first tab "Link" you have to set first in which way / to which accounting you will link. At this moment you can link to an accounting by exporting journal entries or directly by using the API's of accounting software. The necessary settings for the link itself can then be entered on the second tab.

The next link settings are possible:

- [No link to accounting](#)
- [Export journal entries SnelStart](#)
- [Export journal entries Exact](#)
- [Export journal entries Reelezee](#)
- [Stip-T API](#)
- [SnelStart API](#)
- [Exact API sales invoices](#)
- [Exact API journal entries](#)
- [Twinfield Classic API](#)
- [e-Boekhouden API](#)
- [iMUIS Online API](#)
- [Yuki API](#)
- [Visma eAccounting API](#)
- [PerfectView API](#)

No link to accounting

Invoicing with TimeWriter is also possible with no link to an accounting.

VAT

For invoicing without a link to an accounting it is only relevant to enter VAT codes and VAT percentages.









Supplies

The option 'Supplies' of module 'Tasks' can be used.

Invoicing


In the module **Invoicing | Invoice** you can find the next buttons:





The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.
 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). After this step the orders are moved to the tab page Invoices . Meanwhile, invoices are generated also in PDF and UBL format. The files are saved in the output folder as set up in Maintenance and settings Settings Reporting

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.

The buttons on the **Lines** tab have the following functions:






Button	Function
 New	Add a new order line.

 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up  Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again!
 Print	Print the invoice again.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.
 E-mail	Send an e-mail for the selected invoices with the invoice (PDF) as attachment. You can edit the e-mail layout at Maintenance and settings Settings E-mail layout
 Open folder	Open invoices and exports folder.

Export journal entries SnelStart

The ledger accounts are only meaningful if invoices from TimeWriter have to be exported in order to import them in an accounting application.

To import the invoices from TimeWriter into an accounting application it is necessary to setup the ledger accounts. They are divided into 3 groups (tab pages): Debtor, Turnover and VAT.

Debtor

At the debtor ledger accounts you can create several ledger accounts. One of them can be marked as default. When you create a new customer, the default ledger account will be automatically set. When generating orders this default ledger account will also be used when there is no ledger account set for a customer. After creating the ledger accounts for debtors you can select them at the customers in **Master data | Customer**.

Turnover and VAT

When generating orders every order line will get a turnover ledger account and a VAT ledger account. Here you can create these ledger accounts and set one as the default. The default ones will be automatically set for every order line. After generating the orders you still can adjust the ledger accounts if needed.








Supplies

The option 'Supplies' of module 'Tasks' can NOT be used.


Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:

The buttons above the **Orders** grid have the following functions:






Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice ▾	Click to print a concept invoice to a pdf and see how the invoice will look like.
 Specification ▾	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

TimeWriter Professional

 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). After this step the orders are moved to the tab page Invoices . Meanwhile, invoices are generated also in PDF and UBL format. The files are saved in the output folder as set up in Maintenance and settings Settings Reporting
--	--

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.







The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again!
 Print	Print the invoice again.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.
 E-mail	Send an e-mail for the selected invoices with the invoice (PDF) as attachment. You can edit the e-mail layout at Maintenance and settings Settings E-mail layout
 Open folder	Open invoices and exports folder.
 Export journal entries SnelStart	Export journal entries to SnelStart.

Export journal entries Exact

The ledger accounts are only meaningful if invoices from TimeWriter have to be exported in order to import them in an accounting application.

To import the invoices from TimeWriter into an accounting application it is necessary to setup the ledger accounts. They are divided into 3 groups (tab pages): Debtor, Turnover and VAT.

Debtor

At the debtor ledger accounts you can create several ledger accounts. One of them can be marked as default. When you create a new customer, the default ledger account will be automatically set. When generating orders this default ledger account will also be used when there is no ledger account set for a customer. After creating the ledger accounts for debtors you can select them at the customers in **Master data | Customer**.

Turnover and VAT

When generating orders every order line will get a turnover ledger account and a VAT ledger account. Here you can create these ledger accounts and set one as the default. The default ones will be automatically set for every order line. After generating the orders you still can adjust the ledger accounts if needed.








Supplies

The option 'Supplies' of module 'Tasks' can NOT be used.


Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:

The buttons above the **Orders** grid have the following functions:






Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice ▾	Click to print a concept invoice to a pdf and see how the invoice will look like.
 Specification ▾	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

TimeWriter Professional

 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). After this step the orders are moved to the tab page Invoices . Meanwhile, invoices are generated also in PDF and UBL format. The files are saved in the output folder as set up in Maintenance and settings Settings Reporting
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Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.







The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again!
 Print	Print the invoice again.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.
 E-mail	Send an e-mail for the selected invoices with the invoice (PDF) as attachment. You can edit the e-mail layout at Maintenance and settings Settings E-mail layout
 Open folder	Open invoices and exports folder.
 Export journal entries Exact	Export journal entries to Exact.

Export journal entries Reeleezee

The ledger accounts are only meaningful if invoices from TimeWriter have to be exported in order to import them in an accounting application.

To import the invoices from TimeWriter into an accounting application it is necessary to setup the ledger accounts. They are divided into 3 groups: (tab pages): Debtor, Turnover and VAT.

Debtor

At the debtor ledger accounts you can create several ledger accounts. One of them can be marked as default. When you create a new customer, the default ledger account will be automatically set. When generating orders this default ledger account will also be used when there is no ledger account set for a customer. After creating the ledger accounts for debtors you can select them at the customers in **Master data | Customer**.

Turnover and VAT

When generating orders every order line will get a turnover ledger account and a VAT ledger account. Here you can create these ledger accounts and set one as the default. The default ones will be automatically set for every order line. After generating the orders you still can adjust the ledger accounts if needed.








Supplies

The option 'Supplies' of module 'Tasks' can NOT be used.


Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:

The buttons above the **Orders** grid have the following functions:






Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice ▾	Click to print a concept invoice to a pdf and see how the invoice will look like.
 Specification ▾	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

TimeWriter Professional

 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). After this step the orders are moved to the tab page Invoices . Meanwhile, invoices are generated also in PDF and UBL format. The files are saved in the output folder as set up in Maintenance and settings Settings Reporting
--	--

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.







The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again!
 Print	Print the invoice again.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.
 E-mail	Send an e-mail for the selected invoices with the invoice (PDF) as attachment. You can edit the e-mail layout at Maintenance and settings Settings E-mail layout
 Open folder	Open invoices and exports folder.
 Export journal entries Reelezee	Export journal entries to Reelezee.

Stip-T API

On the tabs below you can enter the settings for linking with the Stip-T API:

API settings

First, enter the Stip-T API- and User key and select the Stip-T administration. Without these setting you cannot add or edit the settings on other tabs.

The keys can be obtained from the Stip-T application at module **Maintenance and settings | Settings | Users**.

Administration

Select the Stip-T invoice layout, product, ledger account and VAT code to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from Stip-T customer data.








Supplies

The option 'Supplies' of module 'Tasks' can be used.


Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:

The buttons above the **Orders** grid have the following functions:






Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with Stip-T.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

TimeWriter Professional

 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to Stip-T and converted to invoices. After this step the orders are moved to the tab page Invoices .
--	---

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.



The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again and the invoice will not be deleted in Stip-T.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

SnelStart API

On the tabs below you can enter the settings for linking with the SnelStart API:

API settings

First, enter the SnelStart link key. Without these setting you cannot add or edit the settings on other tabs.

Linking is only possible when using the SnelStart online cloud administration. The link key can be obtained from this administration at module **Links | TimeWriter**.

Administration

Select the SnelStart product to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from SnelStart customer data.








Supplies


The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:





The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with SnelStart.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

 Create invoice	<p>If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to SnelStart and converted to SnelStart orders. After this step the orders are moved to the tab page Invoices.</p> <p>Note: At first the Invoice column will contain the SnelStart order number.</p>
--	--

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.




The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	<p>Delete the complete invoice.</p> <p>Note: deleted invoice numbers are not used again and the invoice will not be deleted in SnelStart.</p>
 Invoice numbers	Synchronize invoice numbers with SnelStart. After invoicing to SnelStart in SnelStart also orders are created which will later become invoices.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

Exact API sales invoices

If you want to use the link using the **Export API sales invoices** you need to have a **Exact online subscription with invoicing**. TimeWriter can also make invoices, journal entries can be exported to Exact using the **Export API journal entries**.

On the tabs below you can enter the settings for linking with Exact:

API settings

Choose the Exact location (Country) and enter the Client ID and client secret.

To get a Client ID and Client secret follow next steps:

- Go to: <https://apps.exactonline.com>.
- Log in (top right).
- Go to 'Register API keys'
- Go to 'Register a new API key'.
- Choose a App name in (e.g.: TimeWriter)
- Use this redirect url: <https://secure.xso.nl>
- Click op 'Save'.
- You will return to the App overview. Here you can edit the created App for copying the Client ID and Client secret.

Administration

Select the Exact administration, sales journal, product and VAT code to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from Exact customer data.



Supplies







The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:





The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.

 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with Exact.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.
 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to Exact and converted to Exact orders. After this step the orders are moved to the tab page Invoices . Note: At first the Invoice column will contain the Exact order number.

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.




The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again and the invoice will not be deleted in Exact.
 Invoice numbers	Synchronize invoice numbers with Exact. After invoicing to Exact the sales invoice gets a invoice number after printing the invoice. Until then the column invoice contains the order number from Exact.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

Exact API journal entries

TimeWriter can also make invoices, journal entries can be exported to Exact online using the **Export API journal entries**. Therefore you don't need a subscription with Exact online invoicing, which is much cheaper.

On the tabs below you can enter the settings for linking with Exact:

API settings

Choose the Exact location (Country) and enter the Client ID and client secret.

To get a Client ID and Client secret follow next steps:

- Go to: <https://apps.exactonline.com>.
- Log in (top right).
- Go to 'Register API keys'
- Go to 'Register a new API key'.
- Choose a App name in (e.g.: TimeWriter)
- Use this redirect url: <https://secure.xso.nl>
- Click op 'Save'.
- You will return to the App overview. Here you can edit the created App for copying the Client ID and Client secret.

Administration

Select the Exact administration, sales journal, product and VAT code to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from Exact customer data.



Supplies







The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:






The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.

 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.
 Create invoice	<p>If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). Journal entries are created from the invoices and forwarded to Exact. After this step the orders are moved to the tab page Invoices.</p> <p>Meanwhile, invoices are generated also in PDF and UBL format. The files are saved in the output folder as set up in Maintenance and settings Settings Reporting</p>

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.




The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.



Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	<p>Delete the complete invoice.</p> <p>Note: deleted invoice numbers are not used again and the journal entries will not be deleted in Exact.</p>
 Print	Print the invoice again.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.



 E-mail	Send an e-mail for the selected invoices with the invoice (PDF) as attachment. You can edit the e-mail layout at Maintenance and settings Settings E-mail layout
 Open folder	Open invoices and exports folder.

Twinfield Classic API

On the tabs below you can enter the settings for linking with Twinfield:

API settings

Choose edit and "Test API login".

The Twinfield login screen will be shown in a browser.

Login at Twinfield *).

After logging in, Twinfield will ask permission to link to TimeWriter; choose "Yes, Allow".

Go back to TimeWriter after Twinfield login succeed and permission was granted.

Then press continue.

*) **N.B.:** When logging in, **never** use a user linked to the level 1 role (site supervisor), a user with a level 3 role is sufficient.

Administration

Select the Twinfield administration, turnover ledger account and VAT code to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from Twinfield customer data.






Supplies




The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:






The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with Twinfield.

 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.
 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to Twinfield and converted to Twinfield invoices. orders. After this step the orders are moved to the tab page Invoices .

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.



The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up  Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again and the invoice will not be deleted in Twinfield.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

Twinfield settings

Below settings of Twinfield are important for the correct functioning of linking with TimeWriter.

Note: For questions regarding (changing) these settings please contact the Twinfield support department.

- An API user with a level 3 role is sufficient for logging on to Twinfield. **Never** use a user with a level 1 role (site manager).
(see Twinfield: Settings > Access settings > Users > User settings)

- For invoicing it is necessary that there is an invoice type "FACTUUR" available in Twinfield (create if necessary). For this invoice type the setting "Can adjust general ledger account" must be checked. In addition, a turnover account must be entered for "Item 0" (regular one-off). (see Twinfield: Sales > Invoices > Types > select: "FACTUUR")
- The Format (mask) of the debtor number must not contain any wildcards ("*"). The Address labels 1, 2 and 5 must contain the standard Twinfield values (i.e. Tav, Adres and KVK nummer) . (see Twinfield: Settings > Company settings > Dimension types > select: "DEB")

e-Boekhouden API

On the tabs below you can enter the settings for linking with the e-Boekhouden API:

API settings

First, enter the e-Boekhouden API- and User name and Security codes. Without these setting you cannot add or edit the settings on other tabs.

The keys can be obtained from e-Boekhouden online at **Management -> Settings -> Links -> API/SOAP**.

Administration

Select the e-Boekhouden invoice layout, product, ledger account and VAT code to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from e-Boekhouden customer data.








Supplies


The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:






The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with e-Boekhouden.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to e-Boekhouden and converted to e-Boekhouden invoices. After this step the orders are moved to the tab page Invoices .
--	--

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.



The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again and the invoice will not be deleted in e-Boekhouden.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

iMUIS Online API

On the tabs below you can enter the settings for linking with the iMUIS Online API:

API settings

First, enter the iMUIS Environment code, this code can be obtained from iMUIS. Without these setting you cannot add or edit the settings on other tabs.

Linking is only possible when using the iMUIS online administration with a Cloudswitch subscription.

Administration

Select the iMUIS order type, order way and product to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from iMUIS customer data.








Supplies


The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:





The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with iMUIS.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

 Create invoice	<p>If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to iMUIS and converted to iMUIS orders. After this step the orders are moved to the tab page Invoices.</p> <p>Note: At first the Invoice column will contain the iMUIS order number.</p>
--	--

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.




The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	<p>Delete the complete invoice.</p> <p>Note: deleted invoice numbers are not used again and the invoice will not be deleted in iMUIS.</p>
 Invoice numbers	Synchronize invoice numbers with iMUIS. After invoicing to iMUIS in iMUIS also orders are created which will later become invoices.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

Yuki API

On the tabs below you can enter the settings for linking with the Yuki API:

API settings

First, enter the Yuki API key and Administration ID. Without these setting you cannot add or edit the settings on other tabs.

The keys can be generated at/obtained from Yuki at **My domain -> Webservices**.

Administration

Enter the Yuki product, VAT type and the corresponding VAT percentage and select the ledger account to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from Yuki customer data.








Supplies


The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:





The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with Yuki.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

 Create invoice	<p>If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to Yuki and converted to Yuki (draft) invoices. After this step the orders are moved to the tab page Invoices.</p> <p>Note: At first the Invoice column will contain the TimeWriter order number.</p>
--	---

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.




The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	<p>Delete the complete invoice.</p> <p>Note: deleted invoice numbers are not used again and the invoice will not be deleted in Yuki.</p>
 Invoice numbers	Synchronize invoice numbers with Yuki. After invoicing to Yuki in Yuki (draft) invoices are created which will become invoices after processing.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

Visma eAccounting API

Note: At first use you will be prompted to login at Visma eAccounting, click on "Login at Visma". The Visma eAccounting login screen will be shown in a browser.

Login at Visma.

After logging in, Visma will ask permission to link to TimeWriter; choose "Yes, Allow".

Go back to TimeWriter after Visma login succeed and permission was granted.

Then press continue.

On the tabs below you can enter the settings for linking with the Visma eAccounting API:

Administration

Select the Visma product to be used for invoicing from TimeWriter.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from Visma customer data.








Supplies


The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:






The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice will be created in Visma.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders from the same customer into one order.

 Create invoice	If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to Visma and converted to Visma invoices. After this step the orders are moved to the tab page Invoices .
--	--

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.



The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
  Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	Delete the complete invoice. Note: deleted invoice numbers are not used again and the invoice will not be deleted in Visma.
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

PerfectView API

On the tabs below you can enter the settings for linking with the PerfectView API:

API settings

First, enter the PerfectView API key, Database ID and User ID. Without these setting you cannot add or edit the settings on other tabs.

The keys can be generated at/obtained from PerfectView at **Settings -> Links -> Api**.

Administration

Select the PerfectView product to be used for invoicing from TimeWriter. The selected product must be set in PerfectView in such a way that price and description may be changed.

Update customers

On this tab TimeWriter customers can be updated with, linked to and imported from PerfectView customer data.








Supplies


The option 'Supplies' of module 'Tasks' can be used.

Invoicing

In the module **Invoicing | Invoice** you can find the next buttons:





The buttons above the **Orders** grid have the following functions:

Button	Function
 New	Add a new order (not based on hour bookings).
 Edit	Edit the order.
 Delete	Delete the complete order(s) and all order lines of the selected order(s).
 Generate orders	For hours and task to invoice, orders will be generated first, see: Generate orders .
 Concept invoice	Click to print a concept invoice to a pdf and see how the invoice will look like. Note: the final invoice should be created with PerfectView.
 Specification	Print the specification report (as set at Invoicing Settings Invoicing) for the selected order.
 Merge	Merge orders form the same customer into one order.

 Create invoice	<p>If the Order tab page is selected there is a Create invoice button. Click here to create the invoice(s) of the selected order(s). The orders will be sent to PerfectView and converted to PerfectView draft invoices. After this step the orders are moved to the tab page Invoices.</p> <p>Note: At first the Invoice column will contain the TimeWriter order number.</p>
--	---

Below the orders grid are the **Lines** and **Details for lines** tabs of the selected order.




The buttons on the **Lines** tab have the following functions:

Button	Function
 New	Add a new order line.
 Edit	Edit the order line.
 Delete	Delete the selected order line(s).
 Up Down	Move the order line up/down.

Tab page invoices

All the invoices are visible on the tab page **Invoices**.

The buttons above the **Invoices** grid have the following functions:

Button	Function
 Delete	<p>Delete the complete invoice.</p> <p>Note: deleted invoice numbers are not used again and the invoice will not be deleted in PerfectView.</p>
 Invoice numbers	Synchronize invoice numbers with PerfectView. After invoicing to PerfectView in PerfectView draft invoices are created which will become invoices after "create invoice".
 Specification	Print the invoice specification report (as set at Invoicing Settings Invoicing) for the selected invoice.

Generate orders

The next window will be shown when you want to generate orders for hours and tasks to be invoiced.

Generate orders ? □ X

Enter the period and select customer(s) on the left side.
On the right side click on **View orders to generate** to check if there are orders to generate.

Period

Preset: Custom period ▼

From: 01-11-2018 ▼

Until: 31-01-2019 ▼

Extra filter

Overhead included: ☐

Customer name: ...

Action

View orders to generate

Not yet invoiced: Hours (Aspect combination)

Number of orders: 9

Total amount to invoice: 7,400.00

Generate these orders 🔍

Not yet invoiced: Tasks (Subsequent calculation)

Number of orders: 0

Total amount to invoice: 0.00

Generate these orders 🔍

Not yet invoiced: Tasks (Fixed price)

Number of orders: 1

Total amount to invoice: 950.00

Generate these orders 🔍

Not yet invoiced: Tasks (Recurring)

Number of orders: 0

Total amount to invoice: 0.00

Generate these orders 🔍

Close

On the left hand side you can select the period over which the orders have to be generated. It is possible to set extra filters such as Overhead, Customer name and Approval. If no extra filters are set, orders will be generated for all customers.

On the right hand side click **View orders to generate**.

For the hours and different task types (subsequent calculation, fixed price and recurring) will be determined if orders can be generated. For each type the number of orders to generate and the total invoicing amount will be shown. By clicking button 🔍 the details for the orders to generate can be viewed. Next, for each type, the orders can be generated by clicking **Generate these orders**.

After the orders are generated the orders and/or order lines can be reviewed and, if necessary, be edited or deleted. It's also possible to add new order lines. If all is satisfactory invoices can be created for the (selected) orders by clicking button **Create invoice** on the **Orders** tab (see also: [Invoice](#)).

Invoice

Select **Invoicing | Invoice** in the **Module explorer**.

First go to [Invoicing | Settings](#) if nothing is set for invoicing.

Generating invoices goes in 2 steps:

1. [Generate orders](#). After generating orders the orders and/or order lines can still be edited or deleted. It's also possible to add new order lines.
2. Create invoice. Depending on the chosen link to an accounting invoices will be created or orders will be transferred to the linked accounting. Once invoices are created the invoices and invoice lines cannot be edited any more.

On top of the screen image below one order is visible. At the bottom there are two tab pages. First the order lines, next the details tab with the actual hours/tasks.

Note: Which columns are displayed in the order and order line rows depends on the selected link to an accounting (see: [Invoicing | Settings | Accounting](#)).

Orders | Invoices

New Edit Delete Generate orders Preview Create invoice

Orders

Se... Drag columns here to group

<input checked="" type="checkbox"/>	Order	Customer	Debtor id	Reference	Order amount
<input checked="" type="checkbox"/>	1	Alberts autoshop			825,00

1

Lines | Details for line

New Edit Delete Up Down

Details for order: 1

<input type="checkbox"/>	Line	Description	Duration	Amount	VAT code	VAT %
<input checked="" type="checkbox"/>	1	Ellen Week:2016/09, Number of worked hours: 7:30	7:30	375,00	1602	21,00
<input type="checkbox"/>	2	Fred Week:2016/09, Number of worked hours: 9:00	9:00	450,00	1602	21,00

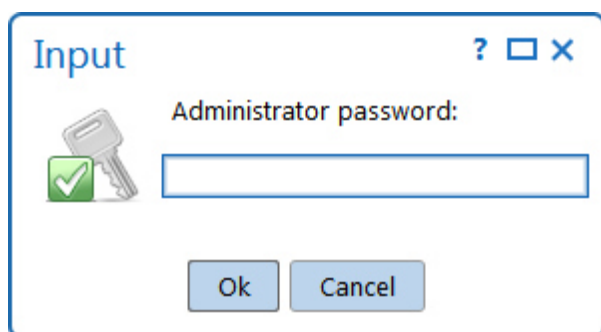
The buttons on the toolbar depends on the used link. The next links are possible:

- [No link to accounting](#)
- [Export journal entries SnelStart](#)
- [Export journal entries Exact](#)
- [Export journal entries Reelezee](#)
- [Stip-T API](#)
- [SnelStart API](#)
- [Exact API sales invoices](#)
- [Exact API journal entries](#)
- [Twinfield Classic API](#)
- [e-Boekhouden API](#)
- [iMUIS Online API](#)
- [Yuki API](#)
- [Visma eAccounting API](#)
- [PerfectView API](#)

Administrator


Every administration contains an employee with the login name administrator. The administrator has always access to all modules. If there is no employee with a login name administrator, TimeWriter will create a default one with password 1234. This password needs to be changed if it exists.

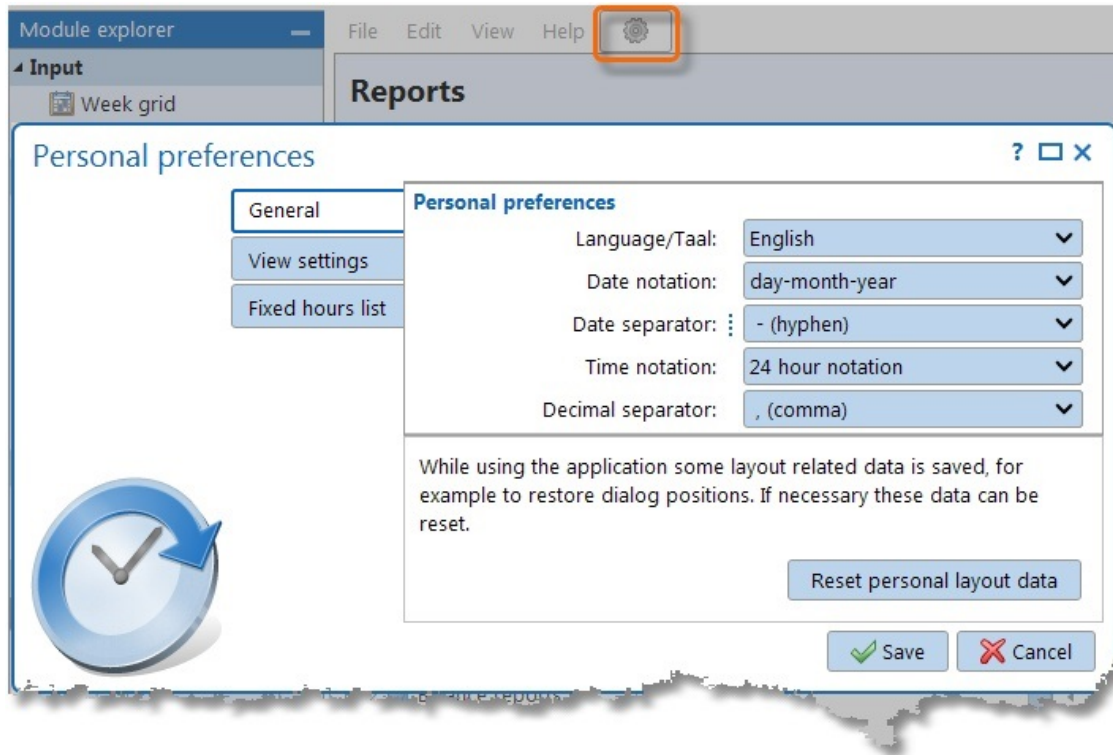
At any time you can switch to the administrator user by using the menu option **File | Activate Administrator**. A password must be entered. It could be the password entered at the administrator employee, but also the password of your network administrator account.



The image shows a standard Windows-style input dialog box. The title bar on the left says "Input" and on the right are icons for help, maximize, and close. The main area contains the text "Administrator password:" followed by a single-line text input field. To the left of the input field is an icon of a key with a green checkmark inside a square. At the bottom of the dialog are two buttons: "Ok" and "Cancel".

Personal settings

Personal settings, such as language and date notation can be set up by using  in the upper menu bar.



The personal settings screen consists of three tab sheets: [General](#), [View settings](#) and [Fixed hours list](#).

General

Language/Taal	Set up language to be used (English or Dutch).
Date notation	The way in which dates are to be represented.
Date separator	The symbol to be used between day, month and year (- or /).
Time notation	24-hour notation or 12-hour notation (with AM/PM).
Decimal separator	If a comma appears in a number, this separation symbol will be used.

When the program is being used, various screen settings will be saved, such as screen locations, selected module, column widths in tables, splitter positions and most recently chosen reporting period.

While using the application some layout related data is saved, for example to restore dialog positions. If necessary these data can be reset.

Reset personal layout data

It is possible for these details to cause problems in program functioning or create a minor problem and need to be reset again. To reset, click on **Reset personal layout data**.



View settings

Here you can change the default view settings of the application. Any changes made are directly applied.

Module explorer	When ticked the old module explorer will be activated again
Button bar	When unticked the labels of buttons on the buttonbars will be hidden by default
Font settings	Change the default font and/or the font size

Fixed hours list

Number of weeks	Set up here how many retrospective weeks need to be covered to include the unique aspect combinations.
Display time as	Hour decimal: Hours will be represented in comma format e.g.: 2,50 is 2:30. Minutes: Hours will be represented in minutes: 60 minutes is 1:00 hour. Time: Hours are 'normally' presented as time.
Entering time	Choose a punctuation mark form the available list to indicate how a decimal point should behave when entering the time in the fixed hours list.

TimeWriter Mobile

TimeWriter Professional has available clients (Apps) for Android as well as iOS (iPad & iPhone). These Apps can be downloaded from the Google Play store or from the Apple App store.

The TwMobile App only allows registration of hours. The TwMobile App works with a local database and can also be used without internet connection. Synchronisation collects all aspects allowed for creating hourly bookings. Also, for a number of days, historical bookings will be collected together with all future bookings. The number of offline days can be set up. Only bookings made through the App can be edited in the App. After synchronising these hours can no longer be edited.

Configuration of mobile clients

Before you can make use of mobile clients you need to configure them for your administration. From the mobile client main menu select **Settings**. In this screen you can configure the following items:

Item	Value	Synchronize with server
Server	Select the pro.cloud.timewriter.nl server. Or select own when an own TimeWriter pro server is in use.	Server pro.cloud.timewriter.nl
Administration	You can find the administration number on the License tab in the Help About screen in the desktop client (see picture below).	Administration 3345480977 See in desktop client: Help About License
Login name	As set up in the employee settings.	Login name demo
Password	As set up in the employee settings.	Password *****
Number of offline days	The number of days of historical hour bookings.	Settings Number of offline days 10

TimeWriter Professional



Synchronise after configurations are set. The server or desktop client will check these settings at every synchronisation.

Cloud synchronisation

When the desktop has been configured to work via a cloud database, TwMobile will also synchronise with the cloud (local synchronisation is always possible). From the main menu in the mobile client select **Synchronisation**. In this screen click on **Cloud synchronisation**. When configuration settings are valid the hour bookings will be validated by the server. It is possible that non valid bookings have been made at some stage, for instance because an employee is no longer authorised for a particular aspect. Non-valid bookings need to be made valid first before they can be saved. See the chapter on [Validate](#).

Validate

Hours booked that are not valid at the time of synchronisation, can be validated in the desktop client. Go to the **Input | Week grid** module in the **Module explorer** and then select: **TwMobile | Validate** from the menu. In the next screen select the employee(s) for whom hours have to be validated and click on button **Validate start**. For all to be validated bookings a screen with details of the booking will appear; details can be validated here.

Web client

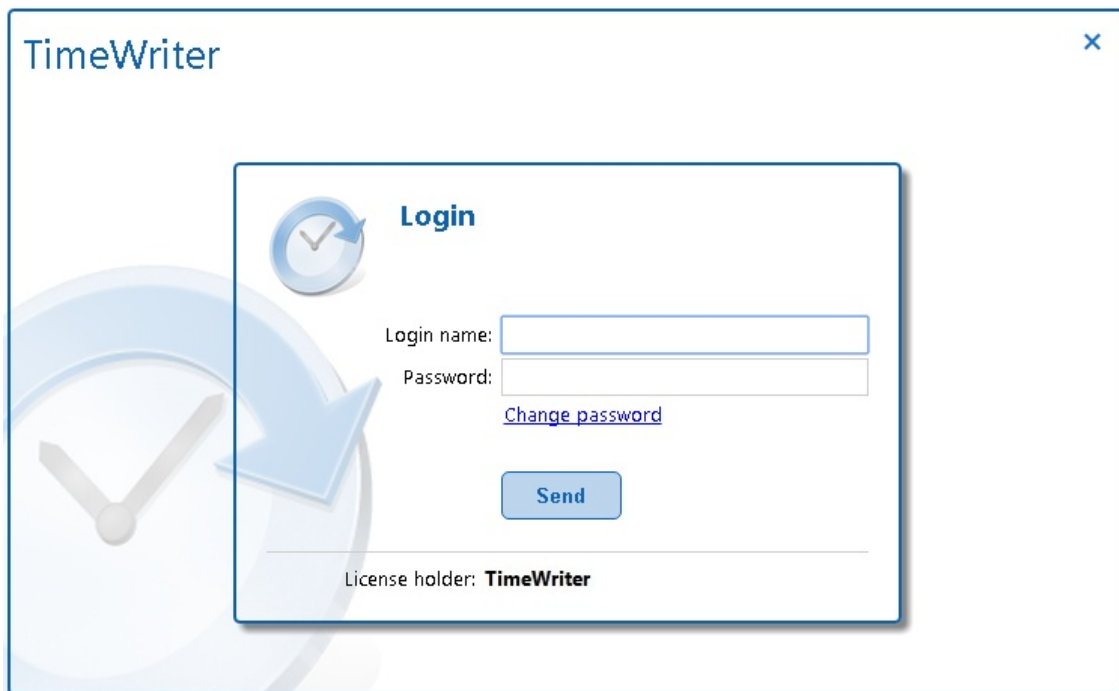
The Web client can be used to make hour bookings within a web browser such as Internet Explorer, Google Chrome, Mozilla Firefox and Safari. Reports can also be generated here. The Web client can be used when the use of a local server or a cloud database has been set up. Read about setting up a local server or a cloud database in the [Database management](#) chapter.

Starting and logging in

To log in to the Web client a login name and password need to be set up in the desktop client (\client\twClientPro).

Do this as follows:

1. If a local server or the cloud is not being used yet, go to [Database management](#) to set this up first. If this is done, go to step 2.
2. Start \client\twClientPro.
3. Go to **Master data | Employee** and set up the login name and password here. Save this information.
4. Change modules. Go to the Week grid for example. This is because details are not automatically transferred to the local or cloud server but during a module change.
5. Then go to **File | Open web client** in the main menu of the desktop client.
6. Enter the login name and password.

The screenshot shows a web browser window titled "TimeWriter" with a close button (X) in the top right corner. Inside the window, there is a "Login" dialog box. The dialog box has a blue clock icon with a checkmark and the title "Login". It contains two input fields: "Login name:" and "Password:". Below the "Password:" field is a blue link that says "Change password". At the bottom of the dialog box is a blue button labeled "Send". Below the dialog box, the text "License holder: TimeWriter" is visible. The background of the window shows a large, faint clock face.

After you have entered your login name and password you can, if necessary before you click on 'Send', adjust your password by clicking on the link 'Change password'. You must enter your new password twice, the second entry is to confirm the first one. The modified password is saved in the database.

N.B.: As you can see the URL does not contain a name that is easy to remember, but sometimes also includes a series of numbers, letters and punctuations. Via these series of numbers and letters we can determine which administration belongs to you. From a security point of view, a URL that cannot be guessed has been generated. This makes it harder for hackers to find out the correct URL. You can save the URL as a favorite, so you don't have to type this in every time.



Week grid

After logging in, the Week grid will open. Both in the Web client Week grid as well as in the desktop client, time slots can be created by clicking on the mouse on the start time and dragging down to the end time. When the mouse is released a screen will appear that can be used for data entry.

TimeWriter

Week grid

Today 8 Jul 2013 – 12 Jul 2013 Work week Week

	Mon, July 8	Tue, July 9	Wed, July 10	Thu, July 11	Fri, July 12
09:00		09:15 - 11:30 Administration deVries Volkswagen Miscellaneous 0	09:30 - 12:00 Administration Alberts autoshop Miscellaneous 0		
10:00	09:45 - 11:45 Administration BMW-dealer Brown Consult 0			10:15 - 12:00 Administration deVries Volkswagen Miscellaneous 0	
11:00					
12:00					
13:00	12:30 - 15:15 Administration Intern Miscellaneous 0	12:30 - 15:15 Administration deVries Volkswagen Consult 0	12:45 - 14:30 Administration Intern ...		

License holder: TimeWriter Administrator Total hours: 15:45 (Mon 4:45 | Tue 5:00 | Wed 4:15 | Thu 1:45 | Fri ... | Sat ... | Sun ...)

Changing existing bookings

Double click on a time slot on the Week grid to edit an existing booking.

The following screen will then open:

Time slot data

Time slot

Time from: 9:45
Time to: 11:45
Date from: Mon 08-07-2013

User fields

Remark:
Number: 0

Aspects




Role: Administration
Customer: BMW-dealer Brown
Product: Consult
Activity:

☐ Enable
Delete Save Cancel

Text boxes with a downwards pointing arrow are choices lists. By typing text in the text box, the list will be limited to the entered text .

Navigating

The buttons at the top of the Week grid have the following functions:

Button(s)	Function
	Navigate to the previous week.
Today	Navigate to the current week.
	Navigate to the next week.
	Navigate to a random week via a calendar (popup).
Work week	Limit the Week grid to hours and days within a working week.
Week	Show the whole week.

Reporting

Generate a report as follows:

1. Select a report group from the list.
2. Select a report from the group.
3. Enter the required time period on the right.
4. If necessary set up an Extra selection filter.
5. Click on the button for the required export (HTML, PDF or XLS).
6. The report will open in a new screen.

Reporting

Reports

- Own
 - Default
 - Activity reports
 - Balance reports
 - Budget reports
 - Customer reports
 - ☐ Customer
 - ☐ Customer incl. details
 - ☐ Customer month
 - ☐ Customer month product in
 - ☒ Customer product
 - ☐ Customer product activity
 - ☐ Customer product activity in
 - ☐ Customer product incl. deta
 - ☐ Customer week

Report: Customer product

Period

Preset:

From:

Until:

Extra selection filter

Field:

Condition:

Content:

Execute report

Execute report as:

Settings

The Web client will also allow you to set up language, numerical- and date notations. All possible settings can be seen in the [Personal settings](#) chapter.

Settings

Create favorite

Login without entering the password? Create a favorite of [this page](#).

Personal preferences

Language/Taal:	English	▼
Date notation:	day-month-year	▼
Date separator:	- (hyphen)	▼
Time notation:	24 hour notation	▼
Decimal separator:	, (comma)	▼

Save/Opslaan

Create favorite

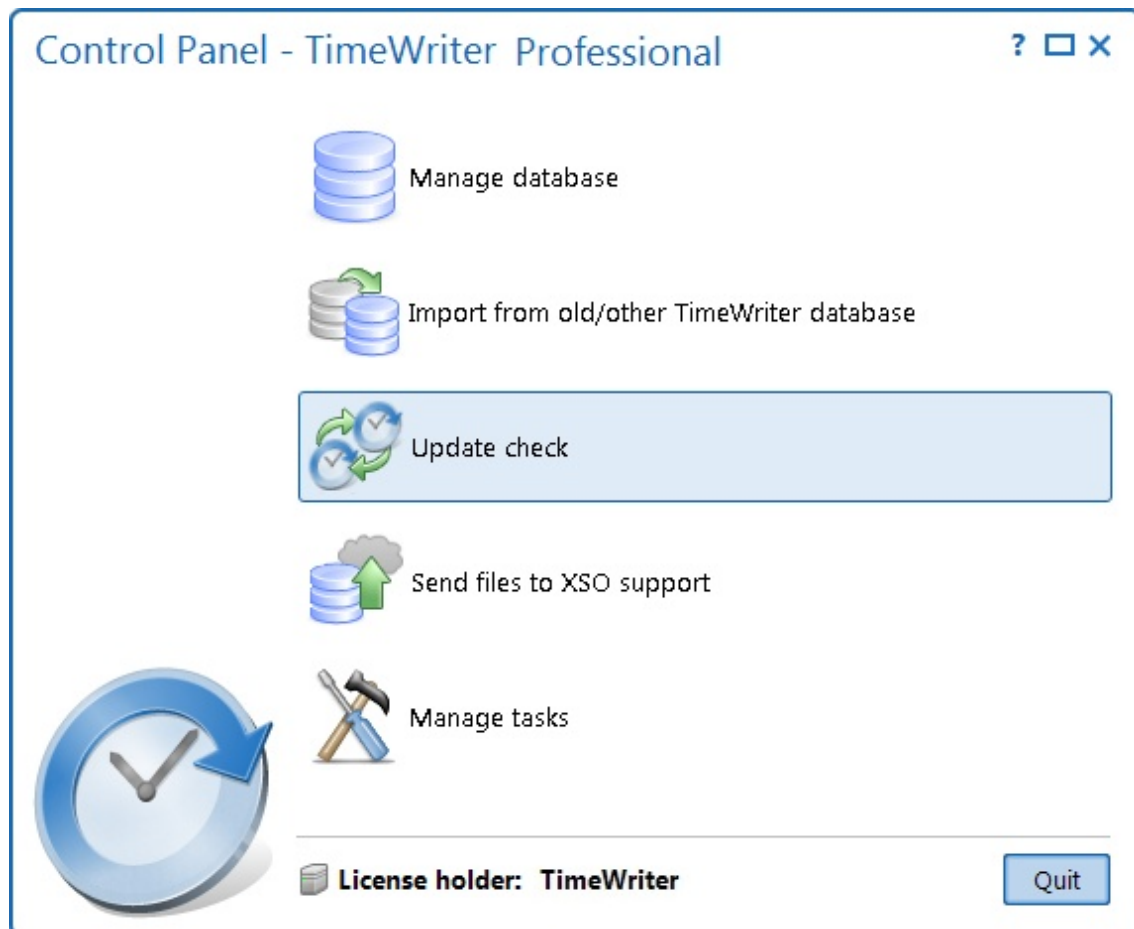
The URL contains no default login name or password, but only an ID for the correct administration. If you create a favorite of this page you will need to keep logging in. If preferred, a favorite can be set up for a URL that can login at the same time. To do this, go to **Settings | Create favorite** and click the 'this page' link. The home screen for the Web client will reappear. There is now a longer URL in the address box, which includes the encoded login name and password. Create a favorite for this page which lets you easily get into the TimeWriter Web client without logging in.

Managing application and database (ControlPanelPro)

Use the \control\ControlPanelPro program to manage the TimeWriter application and database.

The program has the following functionalities:

- Manage database (set ups, backups etc.).
- Import from older/other TimeWriter database.
- Update check.
- Send files to XSO support.
- Manage tasks



Manage database

Database management can be used for example to set up the database location and to run backups. This chapter covers the **local database**, **local server** and **cloud database**. What this involves is explained in the introduction of the chapter: [Local database, Local server or Cloud database](#).

Set up database

Set up database can be used to set up a database location. In TimeWriter Professional this can be a local database, a local server or a cloud database. The default is set to: 'Database at own (network)location'.

Do you want to use the same TimeWriter database at another location or via a web browser? You can choose to put the database on a local server or in the cloud. The database will then be located on your own server or one of our servers and you can access it from various locations. The wizard will direct you in this.

If you want to use TimeWriter on **both** Windows and Mac OS X, choose for putting the database on a local server or in the cloud.

Set up database can also be done by choosing menu option **File | Reconfigure database**.

Backup and restore database

Backup and restore database' allows you set up backups, remove them, restore them or archive them. The screen shows tab sheets for local database, local server and cloud backups.

- When you work with a local database, backups will be made in the folder:
\data\xso_pro\default\backup.
- When you work with a local server, backups are made on a location on the local server:
\Databases\xso_pro\default\backup.
- When you work with a cloud database, backups are made on a location on the cloud server.



If you want to save a copy of a cloud backup in a different location, you can download it from the cloud.

If you would like to open a copy of a backup in TimeWriter without overwriting your database, you can do a restore to an archive. This archive can be opened again from TimeWriter by choosing menu option **File | Open archive**.

Transfer database

If you previously worked with a local database and you have changed to a local server or cloud database (or vice versa) then you can transfer the database here to continue with the same database. You will see some information about the contents of the databases in both locations.

- On tab **local database** select the administration you want to transfer or overwrite.

- Select tab **local server** or **cloud database** and select the administration you want to transfer or overwrite.
- Click on  to transfer the selected administration of the **local server** or **cloud database** to the **local database**. The selected administration of the **local database** will be overwritten by the **local server** or **cloud database**.
- Click on  to transfer the selected administration of the **local database** to the **local server** or **cloud database**. The selected administration of the **local server** or **cloud database** will be overwritten by the **local database**.

Block database

Blocking a database will prevent it from being used after transferring it from a local to a local server or a cloud database or vice versa. A block message can be set up per blocked database.

Fix database

If a database is suspected to be corrupted, you can check the database for errors here. If possible, you can then get the errors fixed. A backup is automatically made first. Local temporary files can also be deleted here.

Archive database

A database can be archived here by entering a customised self-selected archive name. Archives can also be deleted again as required. Archives can be opened in TimeWriter by choosing menu option **File | Open archive**. An opened archive can be used in the same way as the main (Default) administration.

Import from old / other TimeWriter database

If an older version of TimeWriter was being used, you can import the data from the old version into the new version. It is possible to run the import on the standard administration or to an [archive](#). The wizard will guide you through this import process.

NOTE: When importing to the main (Default) administration, this administration will be overwritten (a backup will be created first).

By using the import wizard, data can be transferred from older versions of TimeWriter. It is important for you to know which version of TimeWriter you are using. When you start the current TimeWriter it shows which version is being used in the top left hand corner. The **Help | About** menu also shows version details.

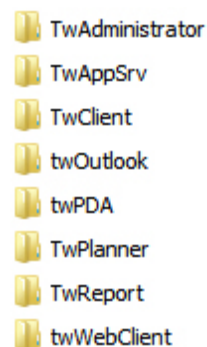
The import wizard shows the following options:

Import from	To: TimeWriter Professional (V. 5.x.x)
TimeWriter Freeware (V. 3.10.x)	Contact XSO support.
TimeWriter Standard (V. 4.9.x)	Contact XSO support.
TimeWriter Professional (V. 1.14.x)	Go to Import from TimeWriter Professional V1.14 .
TimeWriter Freeware (V. 5.x.x)	Contact XSO support.
TimeWriter Standard (V. 5.x.x)	Go to Import from TimeWriter V5 Standard .
TimeWriter Professional (V. 5.x.x)	Not yet available.

Import from TimeWriter Professional V1.14

An installation folder in TimeWriter Standard looks something like this. If no changes are made to settings the database will be located in the **TwAppSrv\data\twpro** folder.

Select this folder in the wizard as the database folder to be imported.



In the old TimeWriter Professional you could use tariff agreements and a tariff(factor) fixed per aspect. TimeWriter V5 only uses tariff agreements. For more information, please refer to the [Tariff agreement](#) chapter.

In the old TimeWriter Professional it was possible to work with groups. In TimeWriter Standard authorisations and combinations via groups are not available. During conversion, these groups are 'expanded'.

In the old TimeWriter Professional an unlimited number of user fields could be used. In TimeWriter Standard there is a fixed number of user fields. The import wizard lets you choose which user fields need to be retrieved.

Import from TimeWriter V5 Standard

For imports from another TimeWriter V5 application it is important that the database is set to local (and not cloud). If the cloud is being used, change this to local database first via [Control panel](#) | [Manage database](#).

The database will then be located in the folder: **\data\xso_standard\default**.
Select this folder in the wizard as the database folder to be imported.

Tariff agreements

The functionality of TimeWriter V5 is comparable to earlier versions in many ways. However in one particular aspect of functionality it is very different, namely in setting up **tariffs**.

In TimeWriter V5 tariffs are set up as so called '**Tariff agreements**'. A tariff agreement is any combination of master data that is linked to a time period and to an amount. If an hour booking matches the associated master data, then the tariff will apply.

In the import wizard your current pricing structure will be converted to these new tariff agreements. As far as the rates have been set with one type of master data (e.g. Employees) and you have not used the tariff factor (in the other master data), the conversion will be possible without further manual adjustments.

Historical hourly bookings can be 'frozen' until a date to be set, this retains the original tariff calculation. However, the bookings can no longer be adjusted.

For hour bookings that are not 'frozen' a new tariff agreement will be chosen. If a difference appears between the original and the new tariff calculations, you will be notified by means of a report.

Update check

You can use 'Update check' to check if there is a program update available. If there is a newer version, you can download and install it here.

If you use a local database updating is not required. Click on **Update check** to check if a new version is available.

When using a local database, you can setup to be weekly notified to execute an update check. Go to **Maintenance and settings | Settings | Update check** to enable or disable the weekly update check. The update check will only be executed for administrators.

If you use the cloud an update check will be done automatically at start up of the program and the update needs to be installed directly.

Update is being installed by?

Installing an update can only be performed by 1 person. During installation a temporary file will be created in the application folder. This file contains some information about the person who is performing the update. When the update is completed the temporary file will be deleted. In some rare cases deletion of this file fails. A second person who then tries to install the update will get a warning message that someone else is already busy installing the update. If the warning message is incorrect, you can delete the file **TimeWriterV5\lib\UpdateSemaphore**.



Send files to XSO support

This function sends all relevant files associated with your administration to the support department at XSO:

- database
- log-files
- license files
- settings- and configuration files.

Only use this option if you are asked to do so by the XSO support department.

Manage tasks

Here you can set up, schedule and execute different (database) management tasks.

For every task you can set the following options:

Active	Set the task active/inactive
Number of	Set the 'execute every' number of units
Unit	Select a time unit (minutes, hours, days or weeks) on which the task has to be executed
Execute only between	Select this option if the task has to be executed between a certain start and end time
Start time	Set the start time of the time slot between which the task has to be executed
End time	Set the end time of the time slot between which the task has to be executed



Edit Execute task

Task	Active
040 Quit application server	<input checked="" type="checkbox"/>
620 Create backup	<input checked="" type="checkbox"/>
800 Generate user fields	<input checked="" type="checkbox"/>

Properties

Task: **040 Quit application server**

Last execution time:

Active: ☒

Execute every

Number of: **1**

Unit: **DAYS**

Time slot

Execute only between: ☒

Start time: **1:00**

End time: **2:00**

If the application server is started as a service application, it will be started automatic.

040 Quit application server

This task will quit the server application which is running on the local server. **

620 Create backup

This task will create a backup of the main database. **

800 Generate user fields

This task will generate extra user fields, if needed, for all aspects and the employee aspect (with a maximum of 4 text, 2 numeric, 2 date, 2 boolean and 2 list fields per executed task). New user fields are only generated for field types of which all available user fields are already in use.

** Only available if database is set up for Local server.

TimeWriter API

Using the TimeWriter API it is possible to import/export the following data:

- Aspects (employees, customers, projects, activities)
- Relations (combinations en authorizations)
- Hour bookings

Before using the TimeWriter API you need to generate a user key at [Maintenance and settings | Settings | TimeWriter API](#).

You can find the manual about using the TimeWriter API here:

<https://timewriter.com/media/webhelpapi>.

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