User Manual

MTProfileBuilder 1.65.0

Retail Service Solution

ProfileBuilder

License supports UC3
License supports bC
License supports ETICA
License supports DIVA
License supports L2

METTLER TOLEDO

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1 Introduction

With the introduction of the UC3 software SL1 (starting from version 1.13) the scales changed from individually configured scales to network scales. The introduction of profiles makes the configuration initially more complex. Afterwards you will see the advantages because changing the function from a scale (for example changing department function of the scale from meat to bread) is very simple. This is very simple because the profiles for all departments and all scales are stored in the scales.

The profiles cannot be used until you first have created them. This means discussing with your customer how the configuration should look like and how many different function profiles you do have. This manual and this application are not an explanation of the SL1 software. It will only help you setting up these profiles without the need to stand behind a scale and define all the parameters in the scale. This application will help you in defining these profiles on a PC. The communication is integrated in the application. You can setup the profiles in the application, send them to the scales and afterwards test the configuration on the scales. All data will be stored in a single (container) file. By sending the file to other users (for example service technicians) they can install and use the profiles which are prepared for them. This is necessary in order to be sure that the scales are setup in a controlled way.

So, in this release the following functionality is included

- Defining the profiles (UC release 1.15) for the dependent and mode-independent settings
- Define the mode profiles
- Define device profiles (so for example "meat scale") which will be a combination of mode profiles and mode independent profiles.
- Add all necessary files (layouts, label templates, images) to the container in order to send this to the repository server.
- Add All necessary data in TransUC3 format to the project file with the possibility to import this data directly from the scales.
- Auto-detect UC scales in the local network
- Communication with the UC scales in order to transmit and receive profiles
- Assign device profiles to scales and transmit the assigned profiles to the scales.
- Import and export in TransUC3 files
- Import the configuration direct from the scale where device profiles are generated from the connected scales (for every scale automatically a device profile is setup)
- Enable or disable scale applications services (floating clerk service, master database services etc)
- Setup the FTP repository server on a scale.
- Integrated VNC Client
- Receive logfiles from the scale
- Receive the software history from the scale
- Clear the software history
- Download software packages to the scale (in order to make the upgrade from a UC3 before release 1.15 to the SL1 release possible)

This first introduction will first serve the urgent needs we have at the moment with introducing UC scales with SL1 software.

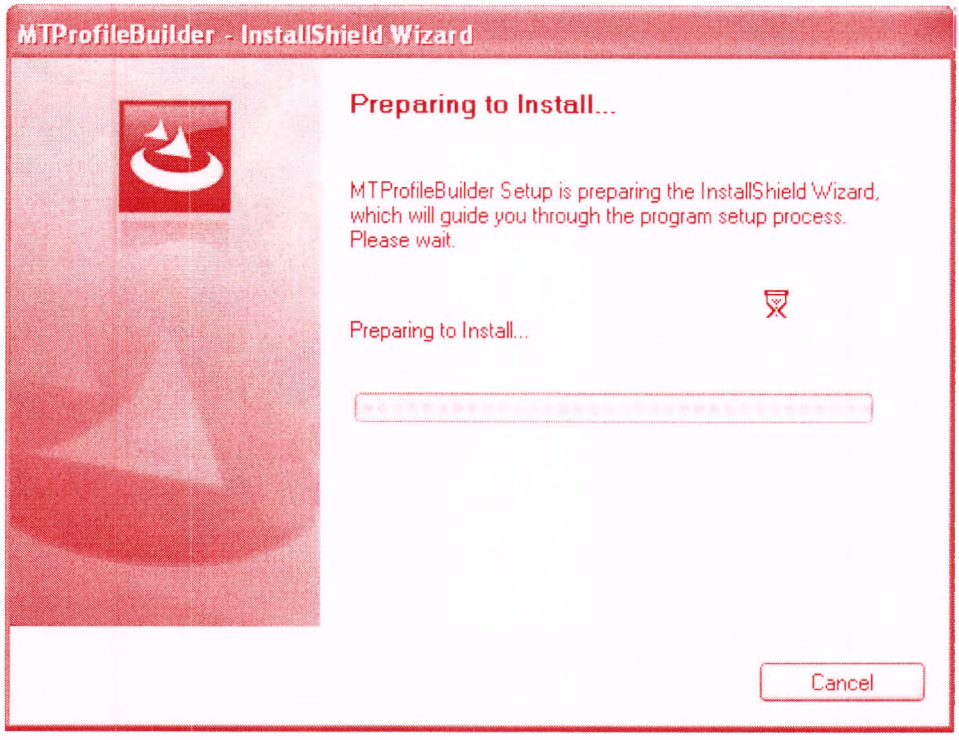
Finally it should be mentioned that it is very easy to introduce new settings which are available in new scale software. All the profiles properties (definition) are stored in a single XML file which can be changed easy. In the initial installation we will deliver the profile description for version 1.15.

2 Installation

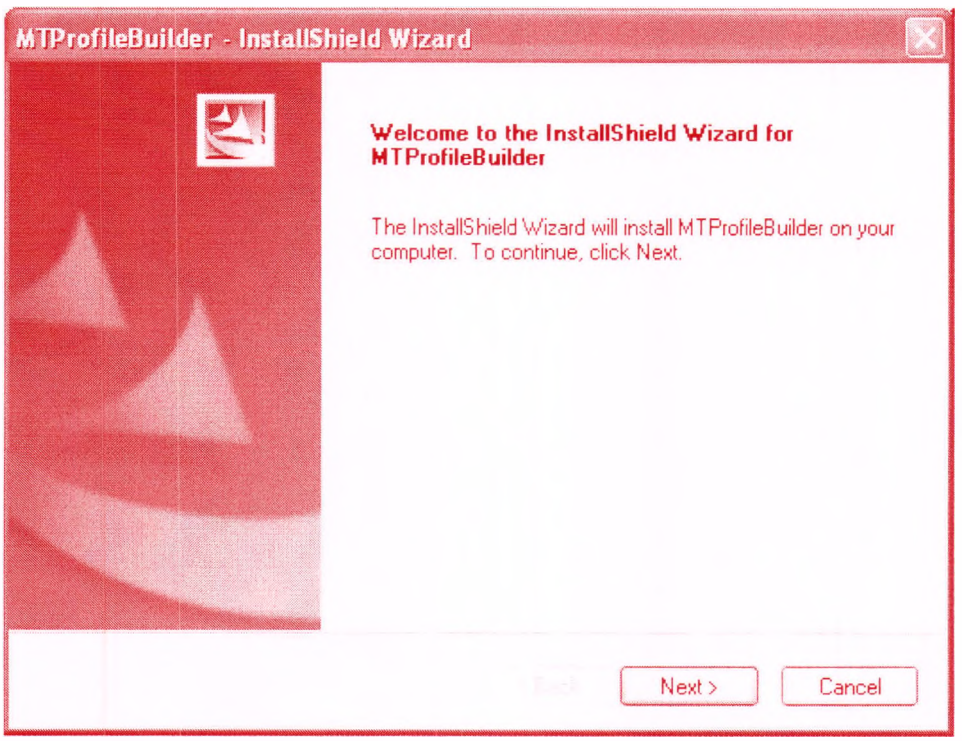
Only users with administrative privileges (administrators) are allowed to install this product. If an other users tries to install this product and error message ("You need to have administrator privileges in order to install this product") is displayed.

2.1 New installation

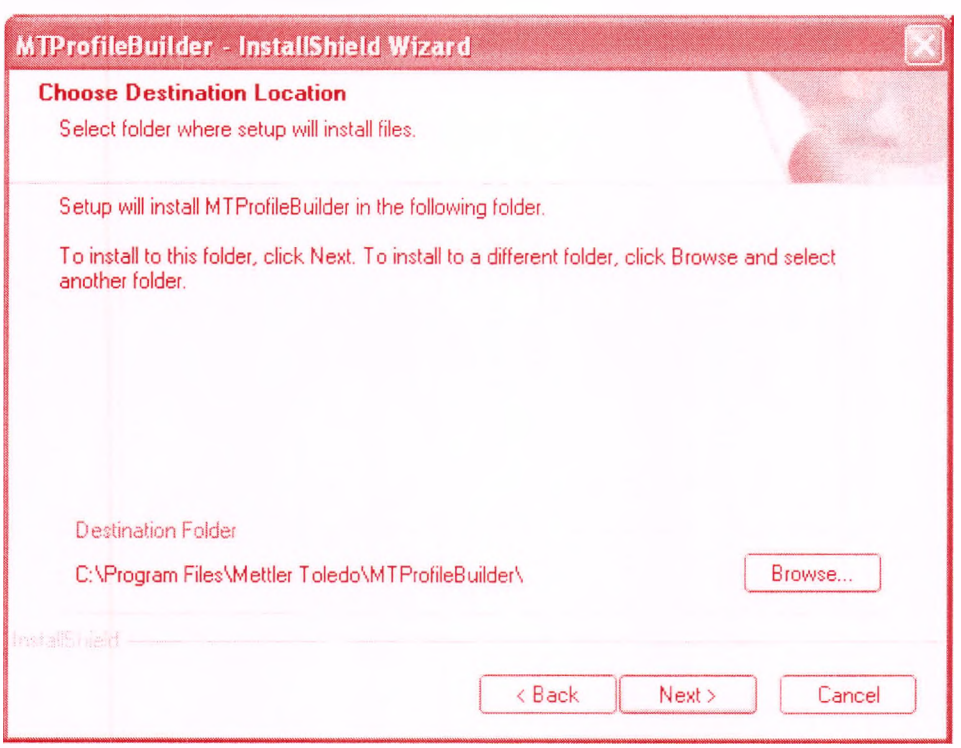
In order to start the installation, execute the file setup.exe as provided to you by download or CD.



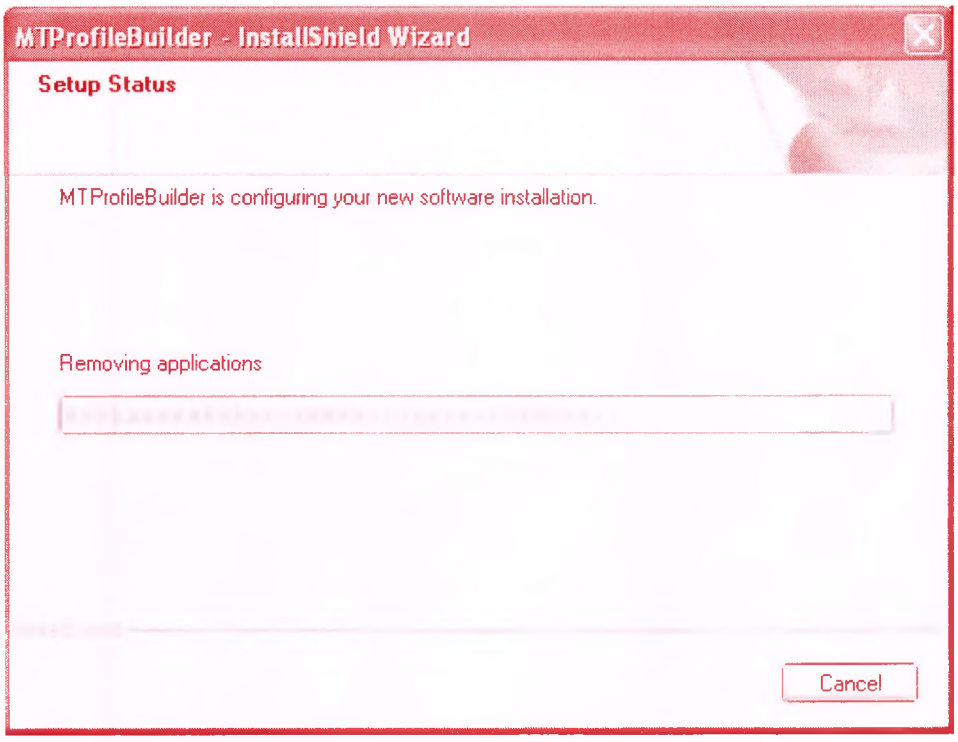
The installer starts the installation.



Press Next to start the installation.



At the destination folder you do not have to change the folder. By default it uses the MTProfileBuilder directory in the Mettler Toledo directory. So you can press Next in order to continue.



Finally the installation is ready

As soon as the installation is ready, you need to press Finish in order to exit the application. Software is now installed. In your start menu you will find a folder called "Mettler Toledo". In this folder there are shortcuts to the MTProfileBuilder application and the MTLicense

application.

2.2 Installing an update

The steps to be done in order to install a new update are exactly the same as a new installation. There is no need to first deinstall the old version and afterwards install a new version. The installer will automatically detect that an old version is installed. Also the license is not removed during installing an update.

3 Licensing

The application is licensed. After installation you can use this application for 28 days without any limitations. After this 28 days it is not possible to use the the application unless a license is requested from your local MO. The license is tied to the system (and not to the user). For every system you need to have a new license. The license number generated for one system are non transferable to other systems.

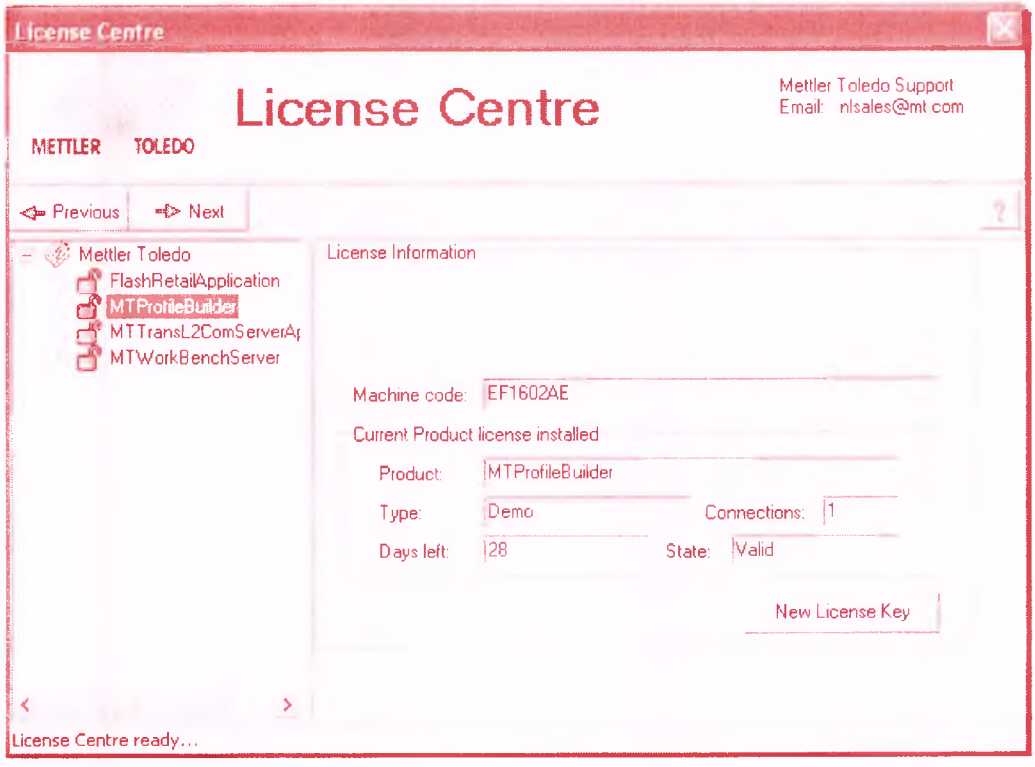
3.1 Different licenses

At this moment there are two types of license implemented

License type	Functions
Administrator	Full functionality for creating profiles, mode profiles etc.
Limited users	No functions for creating profiles, only the communication to the scales and the assigning of profiles to scales are working. A service technician does not need more functionality.

3.2 Obtaining a license

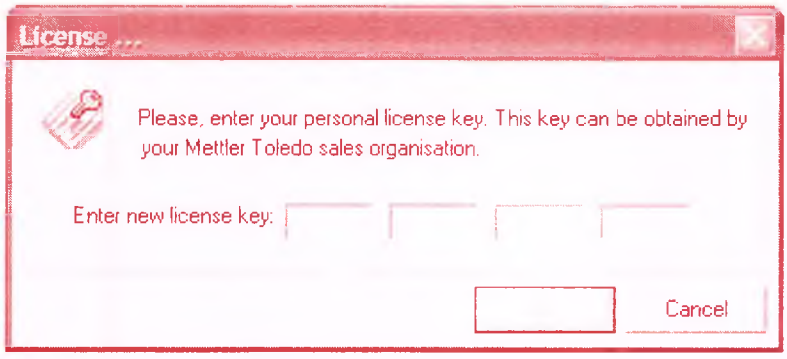
Before ordering a license, information about your system should be collected. This is done using the MTLicense tool which can be started. This program is located in the windows start menu (Mettler Toledo, License, MTLicense).



After selecting MTProfileBuilder, the actual license information will be displayed. In order to obtain a license, you need to contact you local Mettler Toledo distributor. The information provided in Machine code (here EF1602AE) is needed for generating a license.

3.3 Entering a license

Based on the machine code, a license key will be generated. A license key contains 4 x 4 characters. After receiving this license code, the new license information can be entered. Start MTLicense again and press the New License Key button.



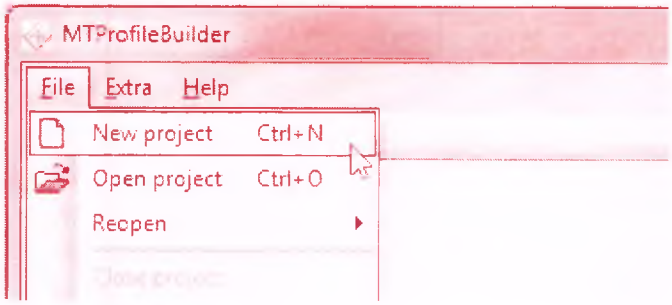
Enter the new license information and press Ok.

The license type is changed from "Trial" to "Administrator license".

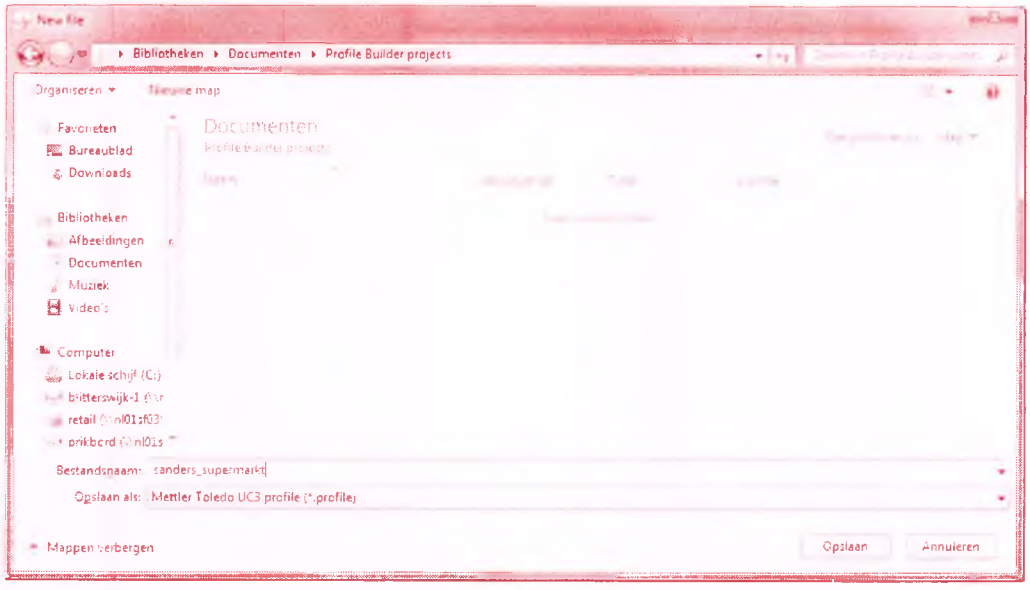
4 Quick start

4.1 Start a new profile project

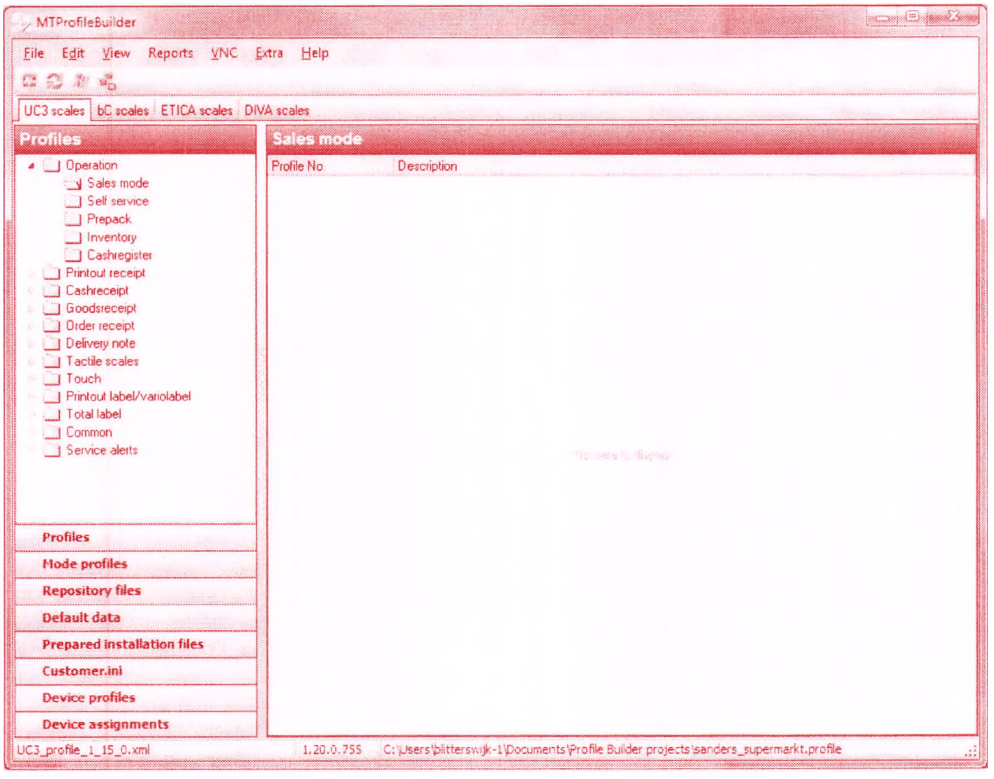
After starting MTProfileBuilder it is very easy do start a new project. Select File and then "New project" or just press simple the key-combination CTRL+N.



A dialog will show up where you can enter the name for the project.



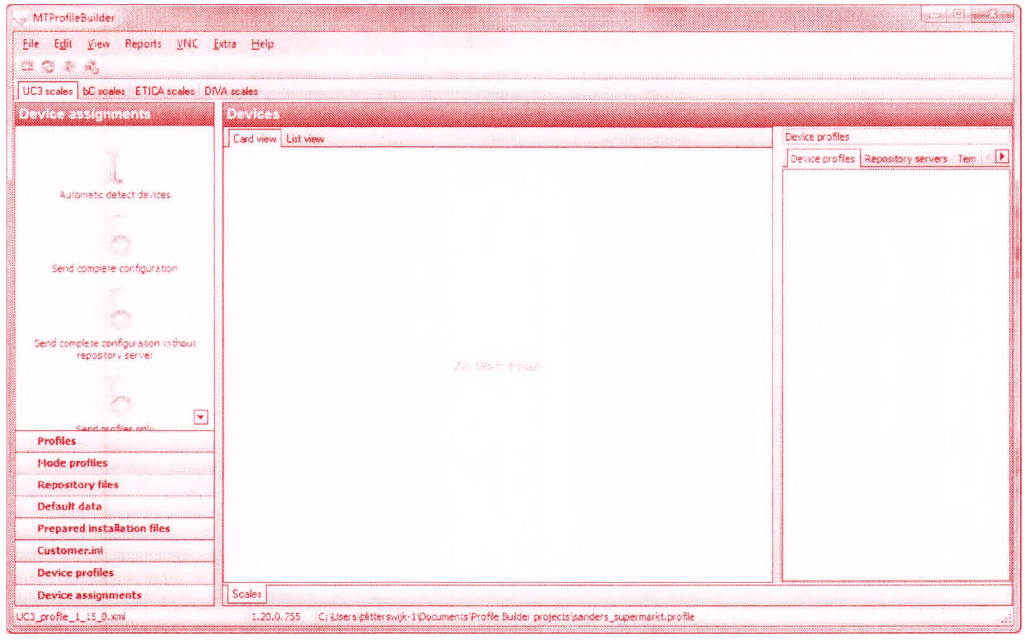
In this case the name is "sanders_supermarkt" as we are defining the profiles for the profiles for the customer with name "Sanders Supermarkt". After pressing the save button the application will start.


MTProfileBuilder
File Edit View Reports VNC Extra Help
UC3 scales bC scales ETICA scales DIVA scales
Profiles
Operation
Sales mode
Self service
Prepack
Inventory
Cashregister
Printout receipt
Cashreceipt
Goodsreceipt
Order receipt
Delivery note
Tactile scales
Touch
Printout label/variolabel
Total label
Common
Service alerts
Profiles
Mode profiles
Repository files
Default data
Prepared installation files
Customer.ini
Device profiles
Device assignments
Sales mode
Profile No
Description
UC3_profile_1_15_0.xml
1.20.0.755
C:\Users\blitterswijk-1\Documents\Profile Builder projects\sanders_supermarkt.profile

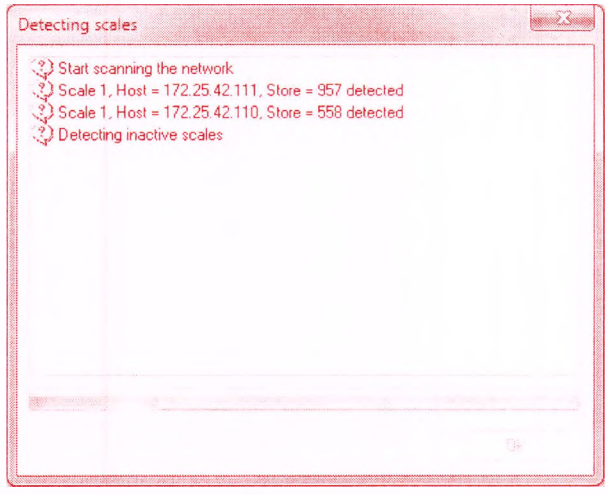
4.2 Import profiles from the scale

First execute the steps as described in "Start a new profile project"

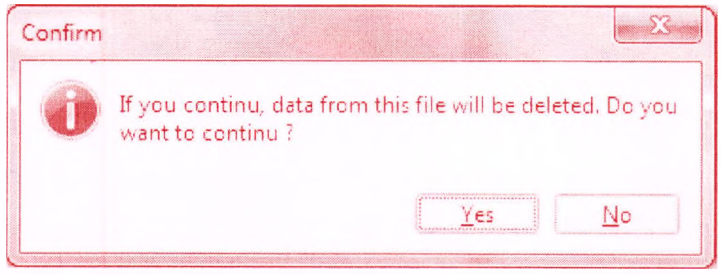
The next step is to connect your running UC3 scale with SL1 software and select the Device Assignments bar on the left side.



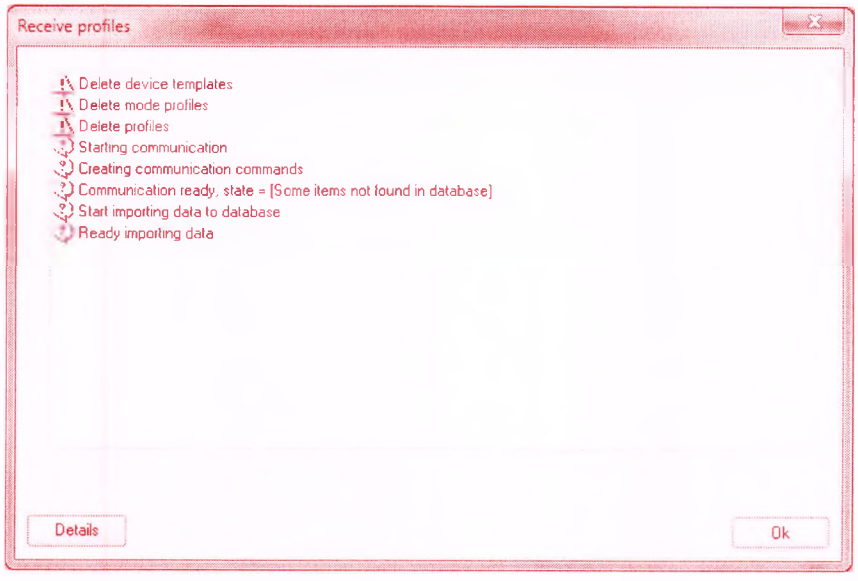
Press the "Automatic detect devices" button. The application will detect all UC3 scales in the local subnet.



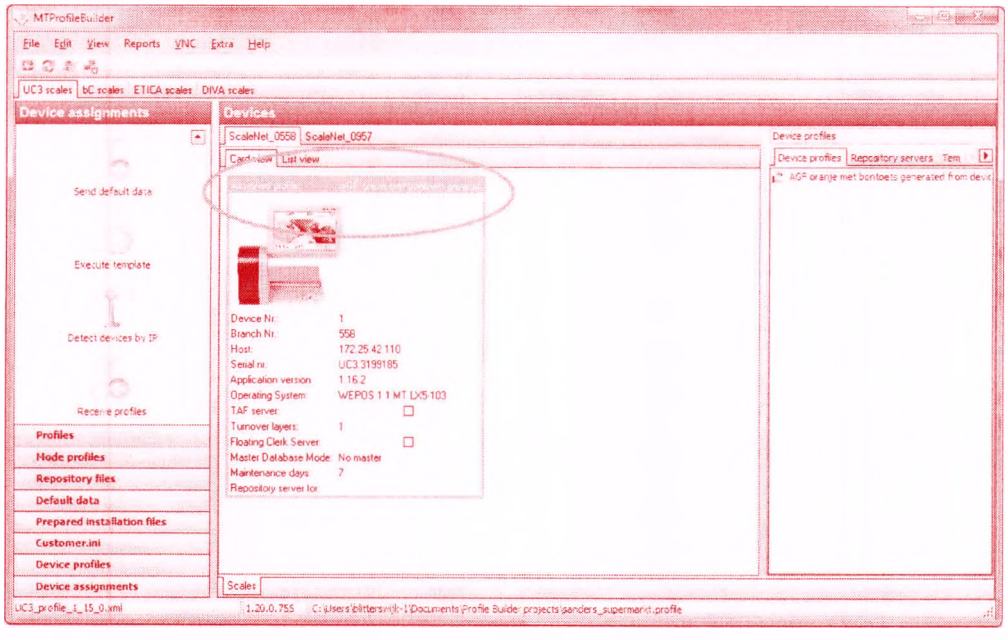
After pressing the button Ok, the scales are added to the list. Now that there is an active device, we can continue with importing existing profiles from the scales by pressing the "Receive profiles" button on the left side. First we will receive an message box where we have to accept the question. By default the profiles stored in the database are deleted before receiving new profiles.



After pressing "Yes", the communication will continue.



After pressing Ok, the profiles are imported in the application and are ready for use. On top of the scale in the screen, you can see the active profile for this device. In this case it is "AGF oranje met bontoets..." depending on the name already used in the scale. It is red-circled in the picture below.



5 How to

This chapter is having small how-to guidelines which will help you doing your job easier.

5.1 Send the file with profiles to a technician

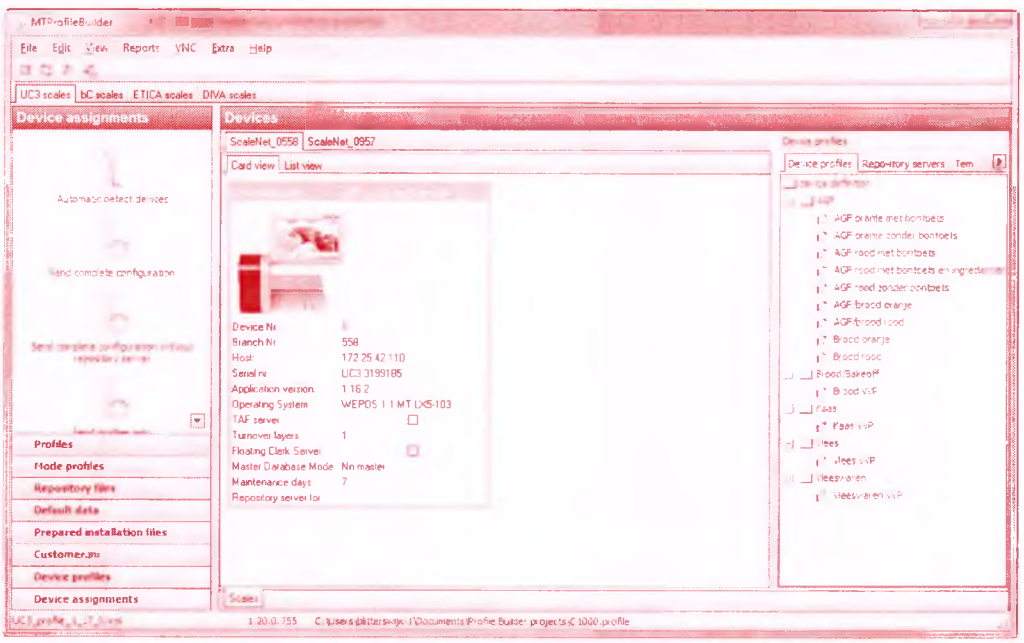
All profiles and additional files are stored in a single file. This file with extension ".profile" can be send to the technician. If the technician opens this file in his MTProfileBuilder he does see all the profiles and files (depending on the license).

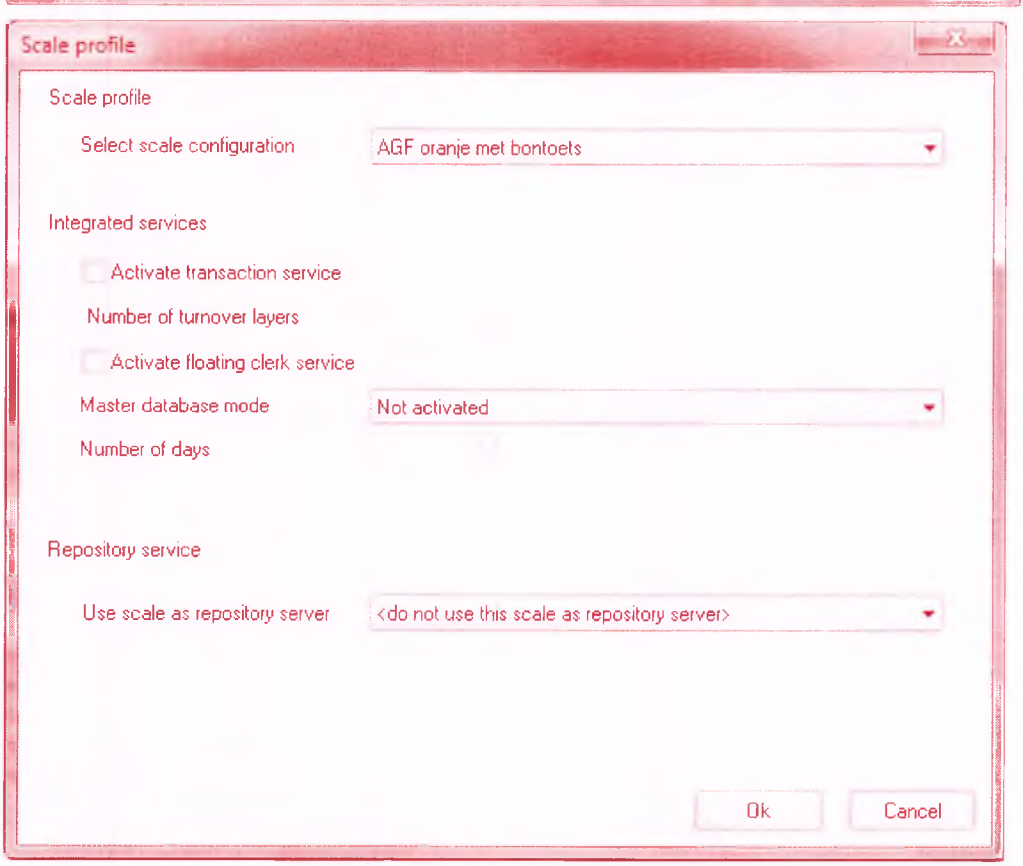
5.2 Assign a device profile to a device

After you have defined the device profiles, you can assign it to a scale in the following ways

5.2.1 Double-click on scale

Select a scale with your mouse and double click on a scale

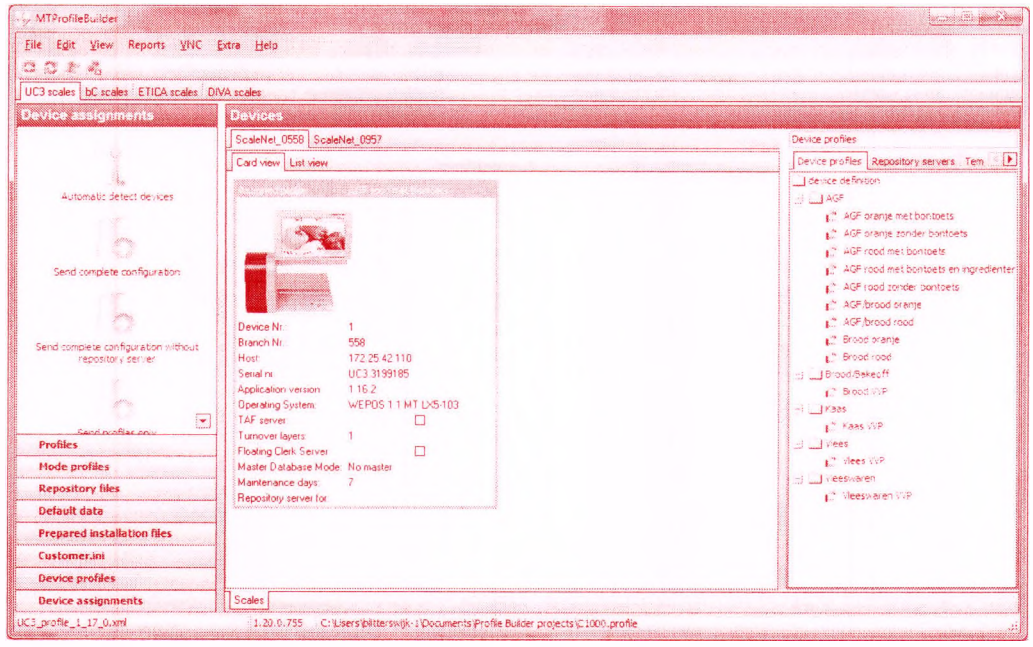




In this form you can select all the functions you want to assign to this scale.

Group	Description
Scale profile	Select the scale configuration as defined in the application
Integrated services	Select the services you want to have enabled in the scale application. If you enable a service on this page, the same service will be disabled on all other scales in the same branch
Repository service	If the repository server profile does contain a variable host-address ([$HOSTIP]) then you can assign one scale the function for a repository server. In this listbox you can select if you want to use the scale as repository server.

Change the settings according to your wish and press the Ok-button in order to accept the settings.



The profile name has changed from "AGF orange met bontoets" to "AGF rood met bontoets". In order to activate these settings you need to press the "Send complete configuration" button. The communication will start and send all profiles and assigned profiles to the scales.

5.2.2 Drag and drop

The device profile can also be dragged from the device profiles directly on the devices in the screen.

5.3 Creating profiles for scales

Creating profiles is very easy. You have to execute the following steps

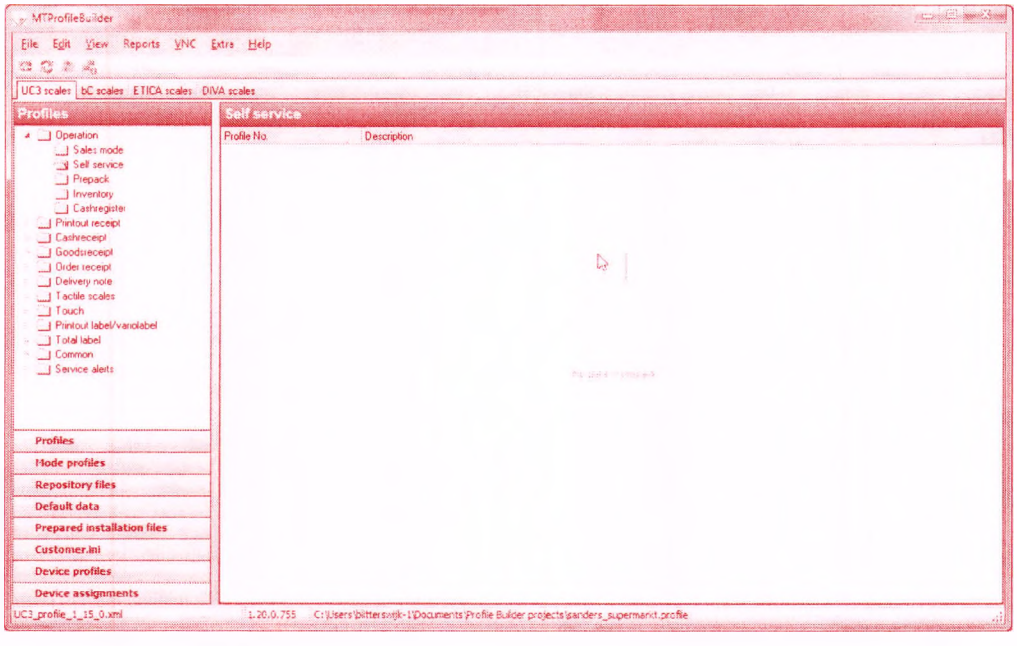
1. Create the profiles for the different operations your customer want to use (using the profiles-bar)
2. Group items defined in step 1 into mode profiles for all modes your customer wants to use.
3. Define the device profiles based on the mode-profiles and the device independent profiles (so this is the point where you design the scale configurations which your customers are using)
4. Add the files you want to distribute to the repositoryserver to the project file using the profile-files bar
5. Add the default data (like barcode definition etc) to the project file using the default data-bar.

This document will not define step by step how profiles are generated. It is a very straight forward way.

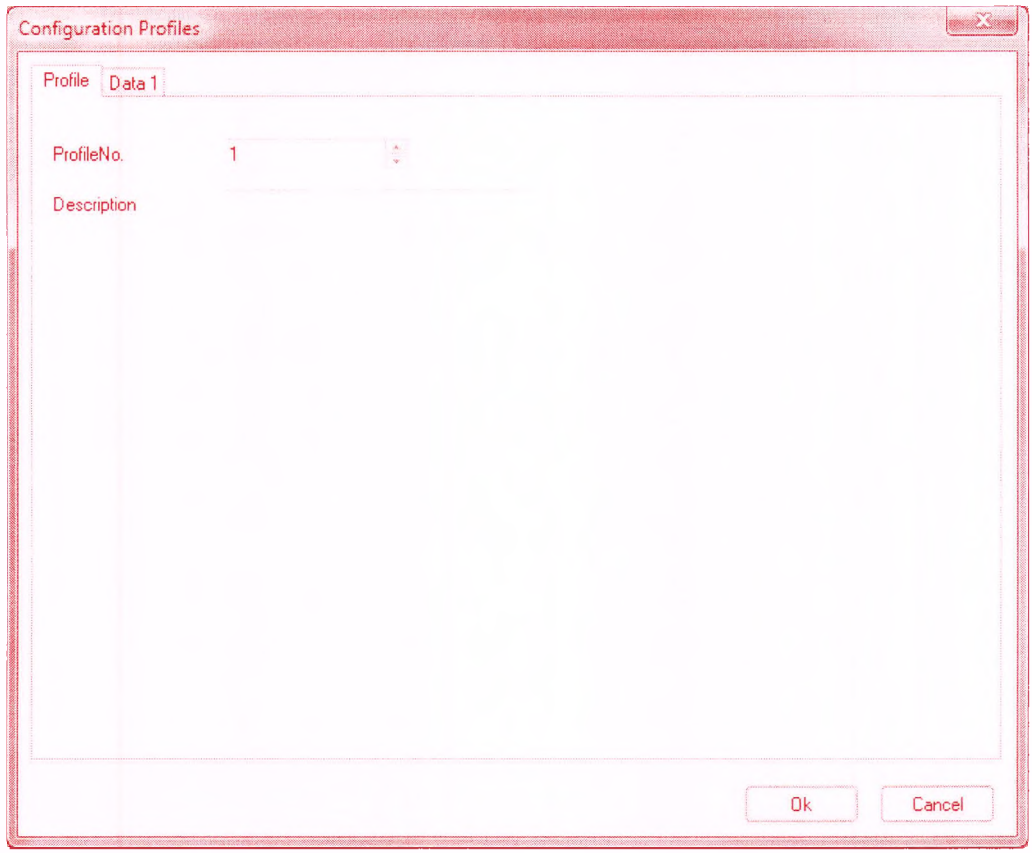
5.3.1 Create profile items

It is important to start by creating the profile items by executing the following items

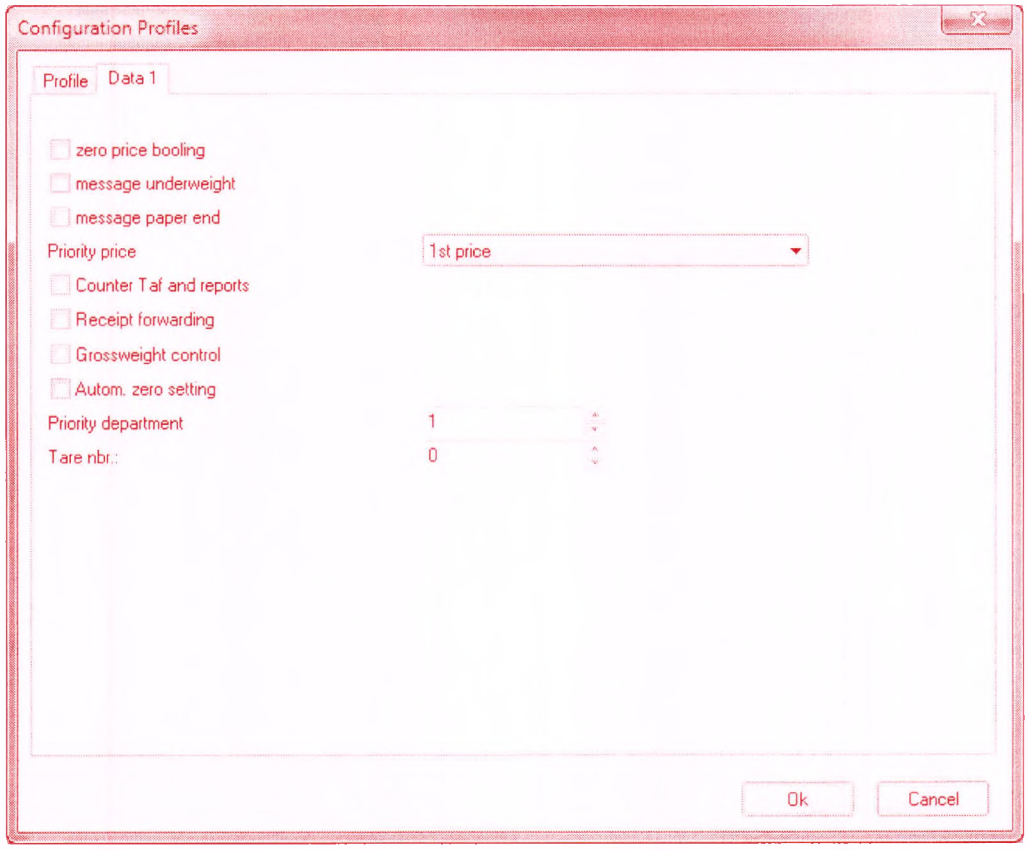
1. First select the group for which you do want to define a profile.



2. Press the insert button or select insert from the context popup menu (right mousebutton)



3. The dialog for adding a profile to this section (operation → self service). Enter the profile number and a usable description. Select the "data 1" sheet in order to define the settings.

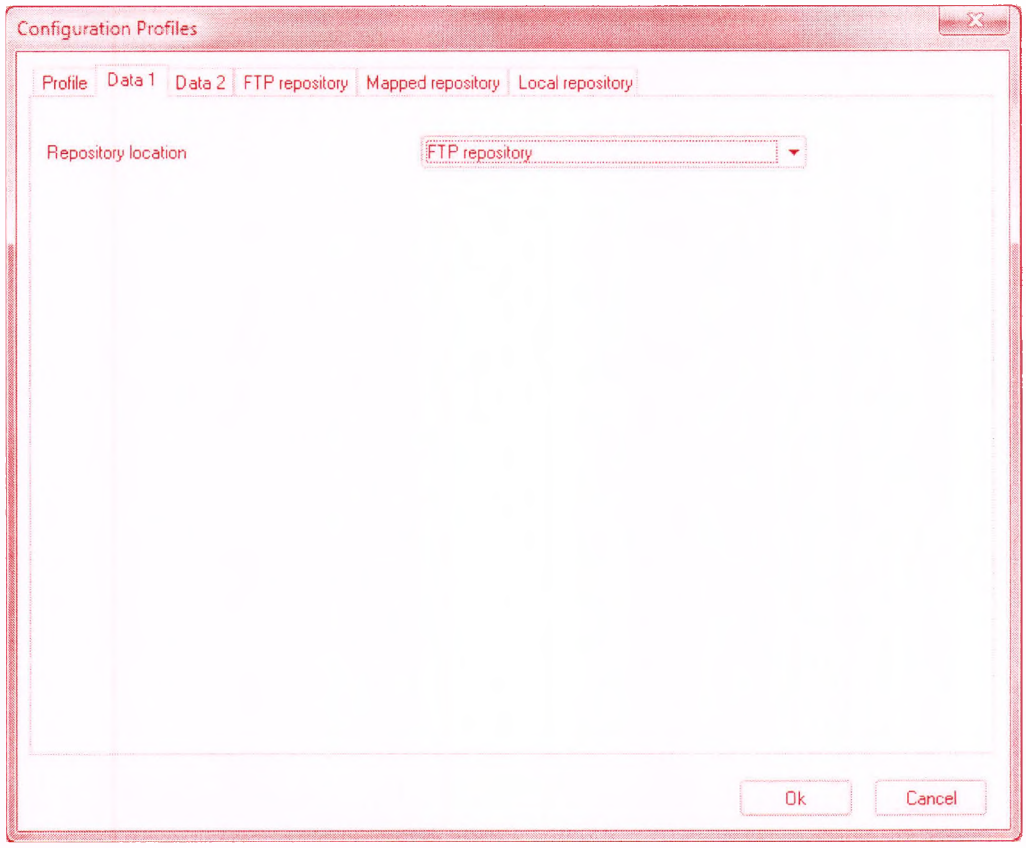


4. Enter the details and afterwards press the Ok button. Most items are on the same page as where they would be on the UC scale.

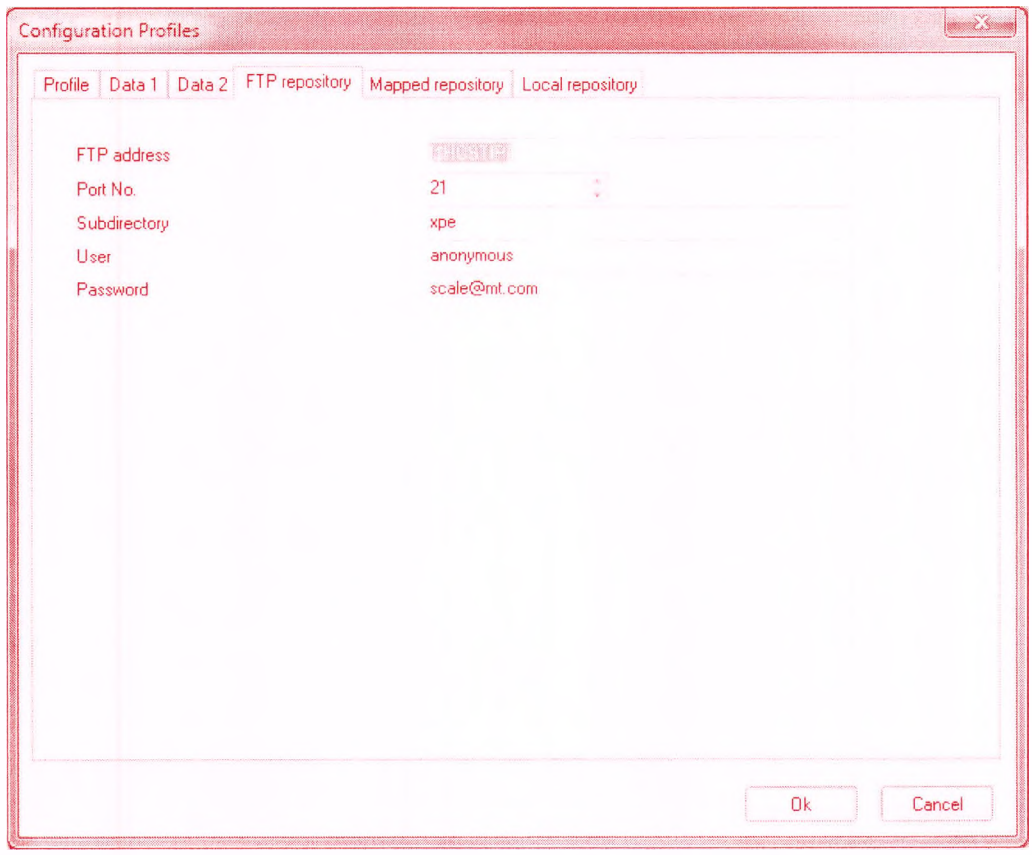
5. Execute the same actions for other items that you need in order to define the settings for a scale.

5.3.1.1 Repository server

Special attention for the definition of the repository server. As this project file can be used for many installations for the same customer, it is not known which scale in the store serves as repository server. The location for the repository server however is very important. The repository server is the server where all images, layouts etc will be send to. In order to make it possible to use this project file for my installations, you can define a IP-address to the repository server which will be assigned runtime on the moment you send the profiles to the scales. Therefor if you need a dynamic assigned IP address, please use [$HOSTIP] as FTP address (see images below).



On the page "Data 1" select FTP repository (above) and on the page "FTP repository" define the **[$HOSTIP]** as FTP address (below).

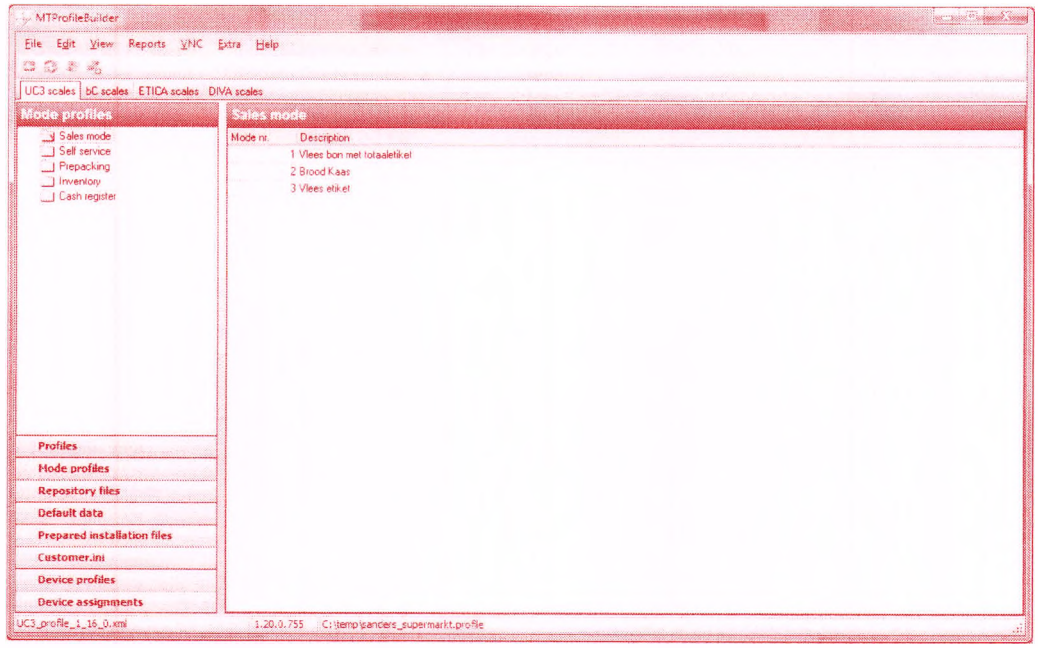


Repository servers that need to be assigned runtime will show up in the repository server list during assigning profiles to scales (see page 19)

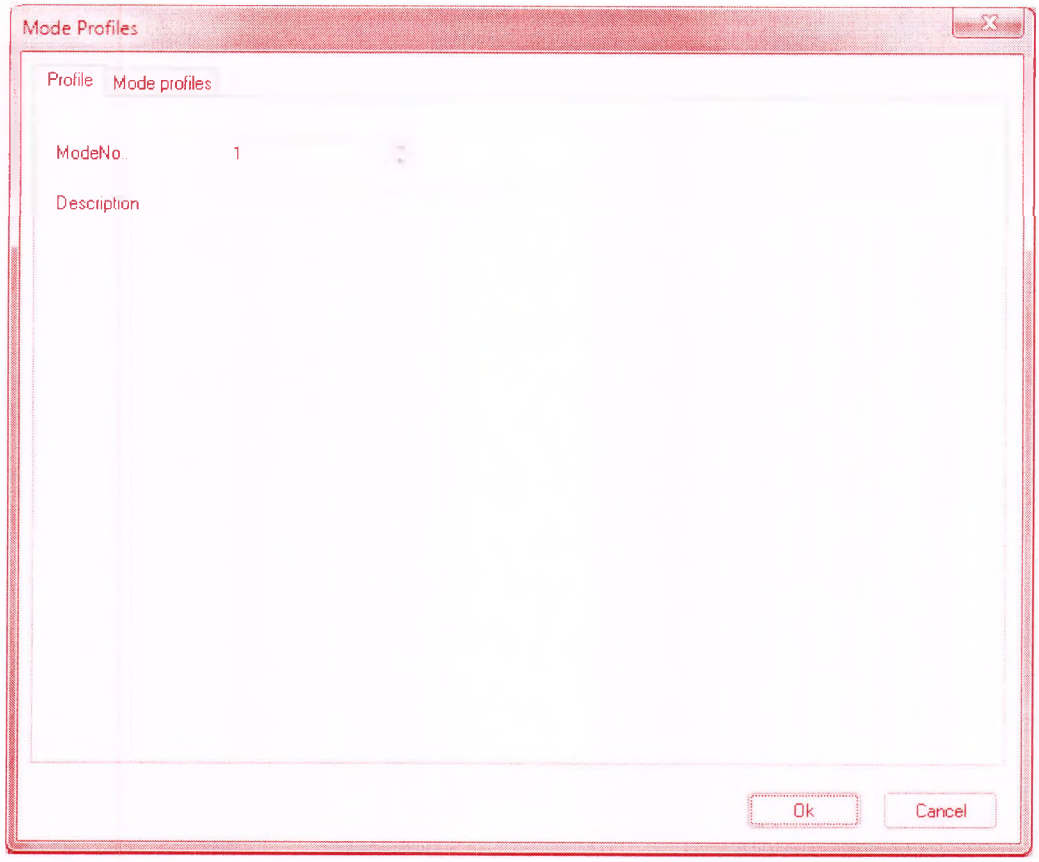
5.3.2 Create mode profiles

For the different operation modes (sales, prepacking, inventory, cashregister and inventory) you need to define all used operation modes for all scales on the different departments. The mode profile definition is done in the module "Mode profiles".

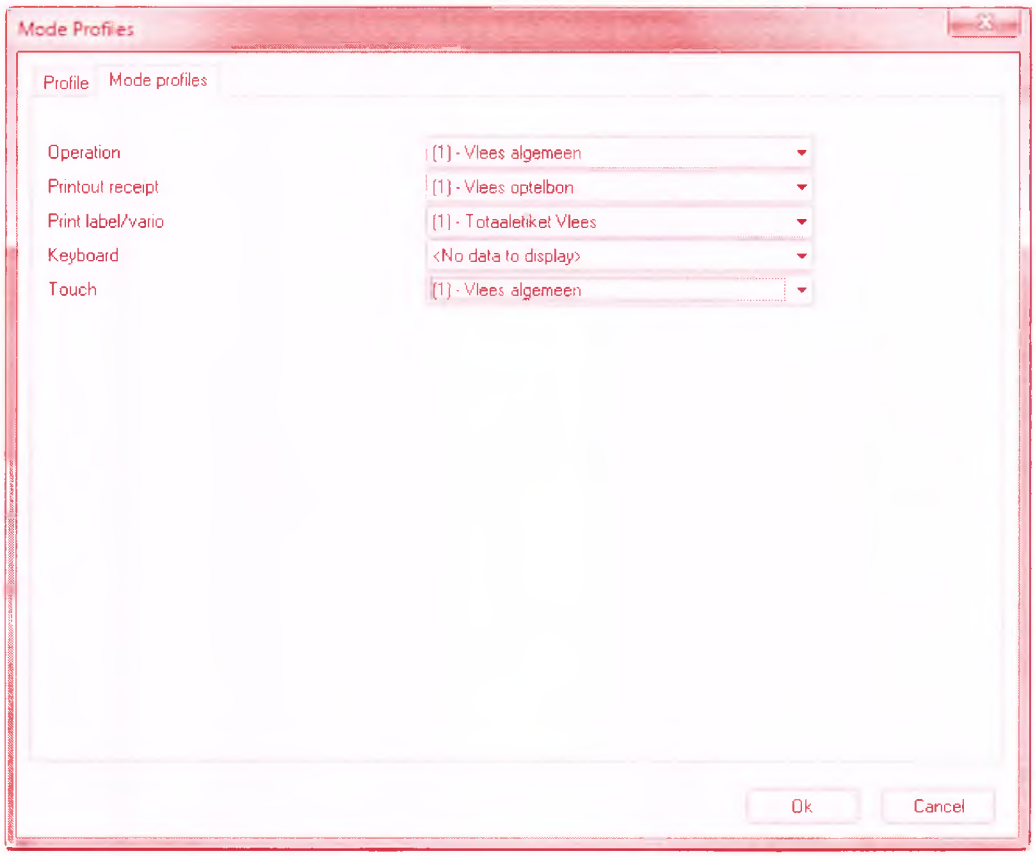
1. Select the module "Mode profiles"



2. Select the mode that you want to define. In the example above the mode "sales mode" is activated and press the insert-button



3. Enter the mode.no and a description. After selecting the mode profiles sheet then you can select items as defined in the profiles module (see page 21)

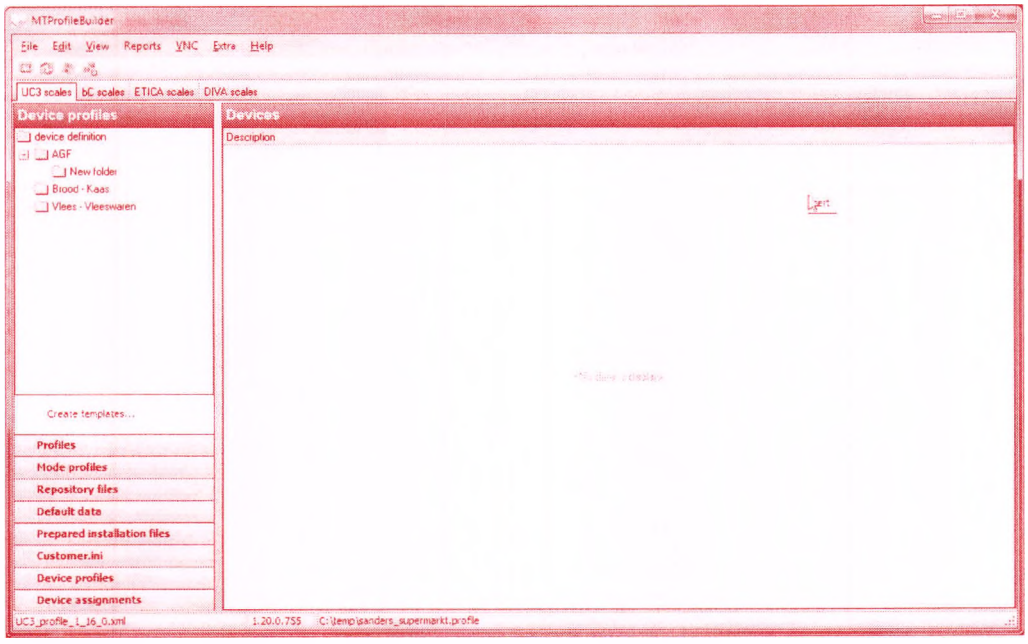


4. Press the ok button and the mode profile will be stored in the file.
5. Execute the previous steps also for other modes in the scale

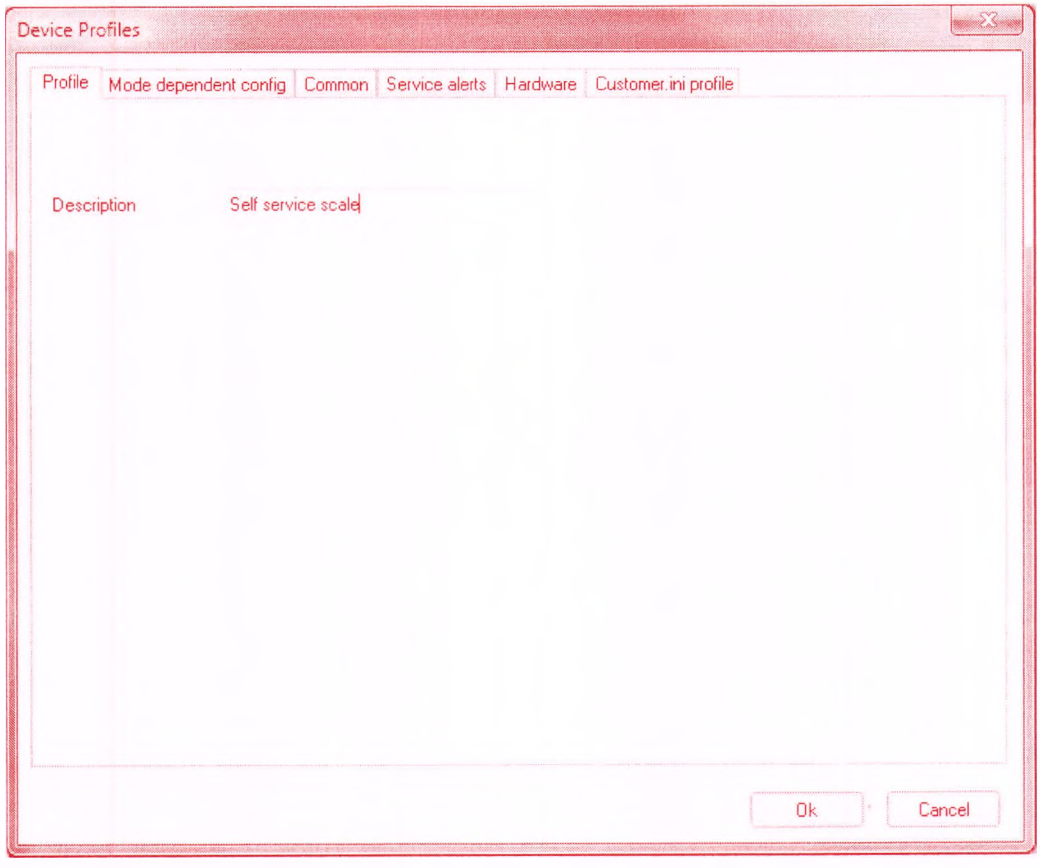
5.3.3 Create device profiles

The profiles define in 5.3.1 and 5.3.2 are more or less the same as can be done on the scale. The module "device profiles" is used in order to define the scales configuration. A device profile contains mode profiles and mode independent configurations. Normally you would set this up in the scales in the menu "device assignments". However, as we do not know the number of scales a customer does have during definition time, the definition which can be assigned to the scale can be setup in the device profiles.

1. Select the module "Device profiles"

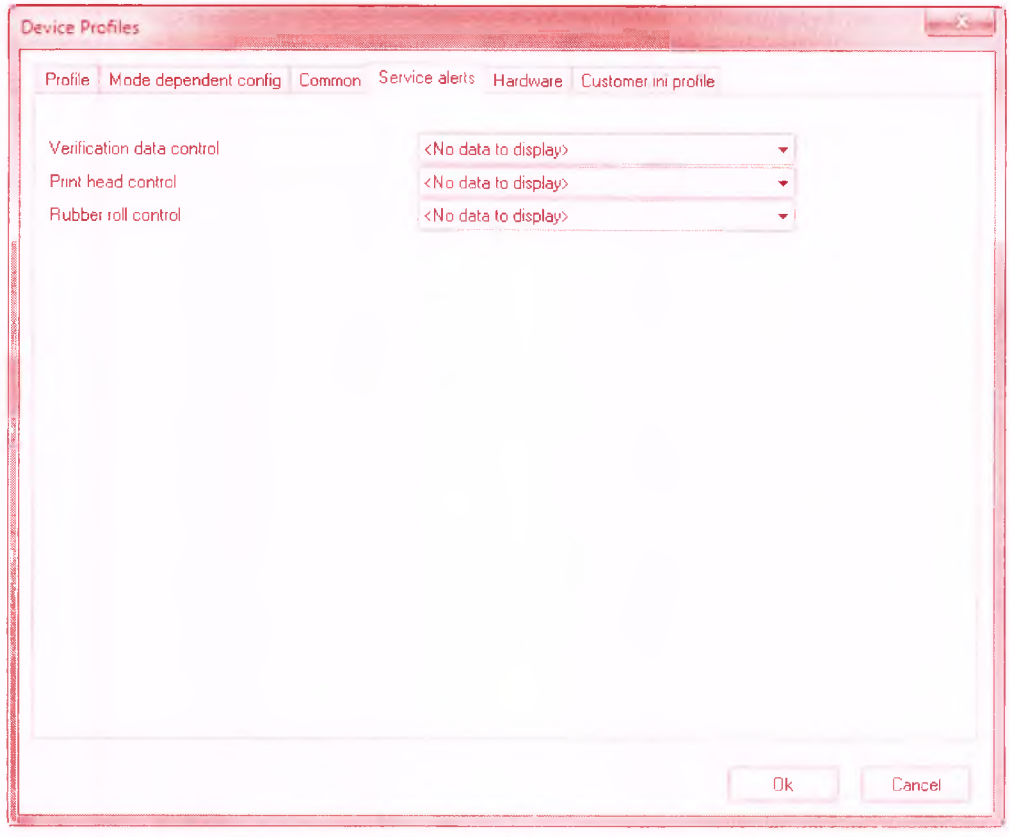


2. Press the insert-button or select Insert from the context popup menu

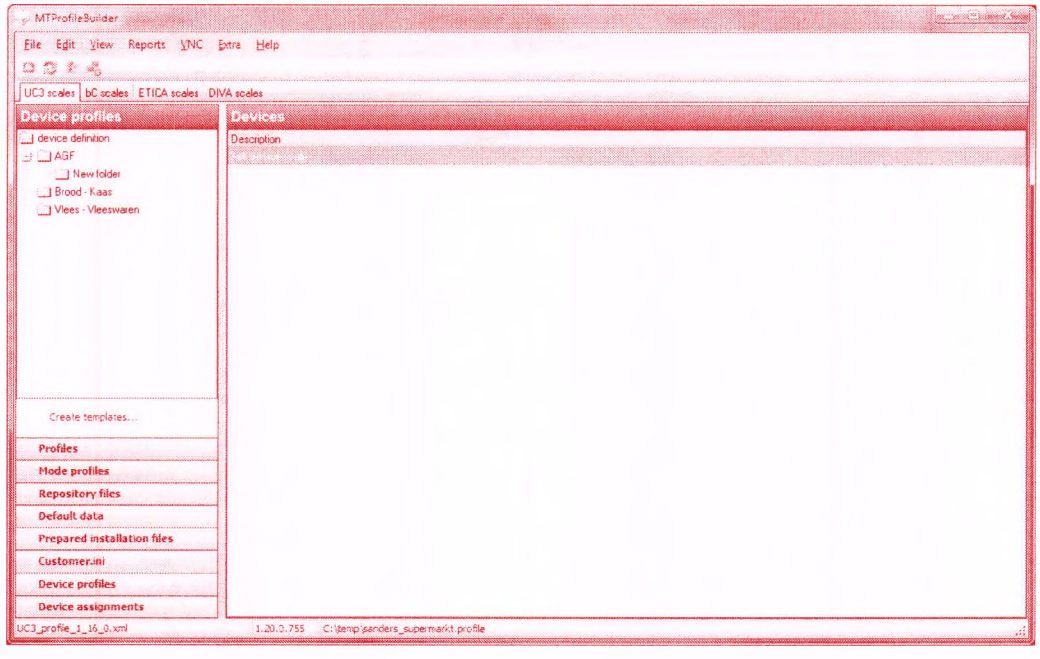


3. Select the mode profiles you want to assign to this "self-service scale" on sheet "mode dependent config". The other sheets represent the mode independent configurations.

5. Select the mode independent service alerts



6. Press the ok-button and the device selection is stored in de project file

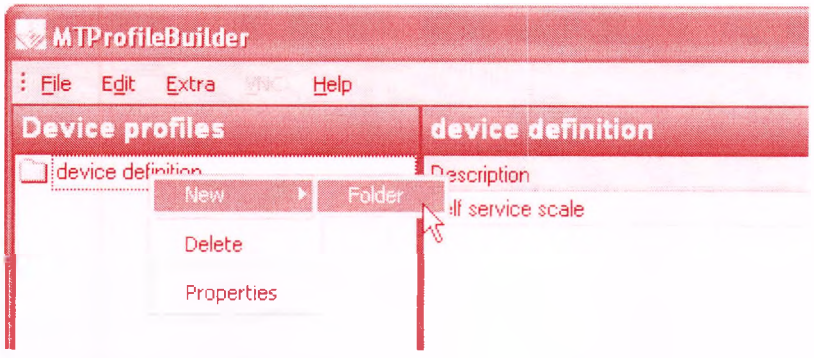


Do these steps for all other device definitions you want to add to the project.

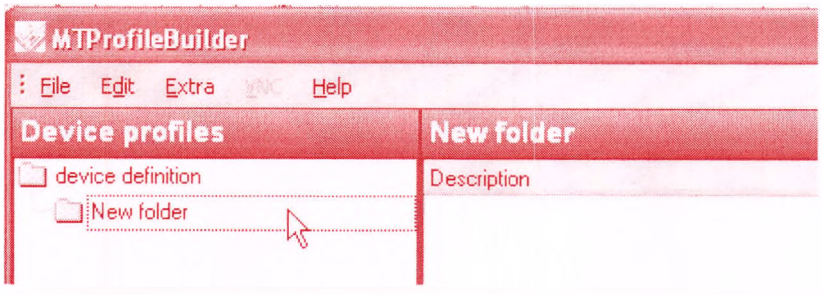
5.3.3.1 Organizing device profiles in groups

When you have many definitions it might be useful to group the device profiles. The tree list on the left side (where the group "device definition" is located) can be modified. You can add additional folders. Do the following steps

1. Press with the right mouse button on the folder "device definition" and select New → Folder

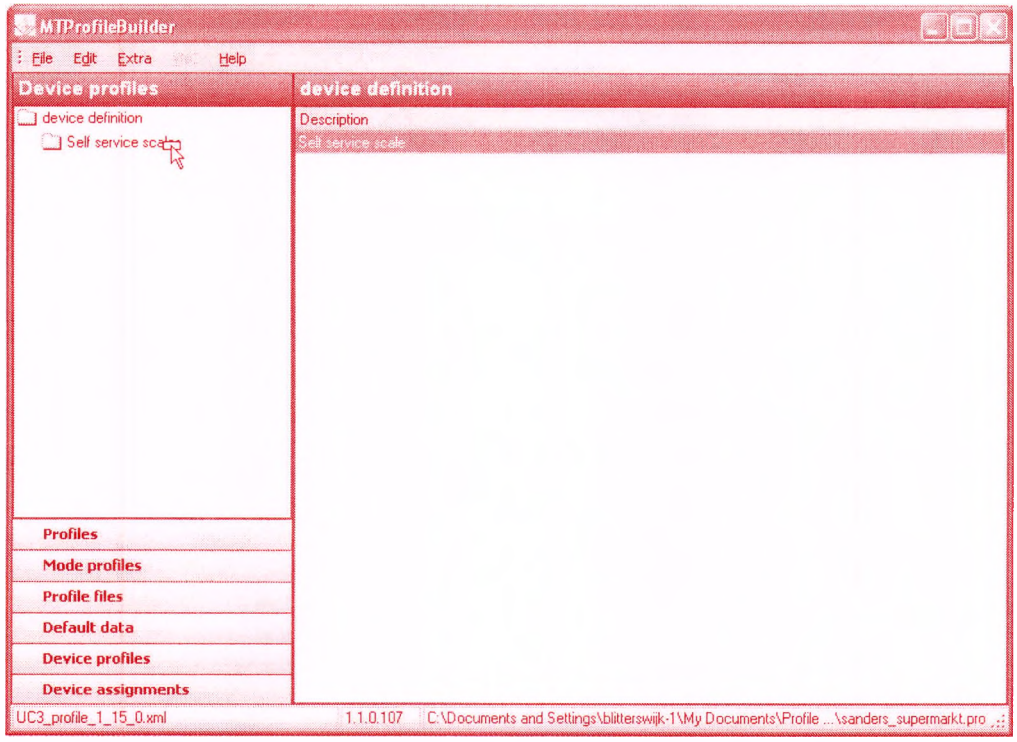


A new folder will be added to the tree



2. By double-clicking on the folder name a popup will be displayed where you can define a new name.

3. You can now assign a device profile to a group by dragging an existing device profile from the left grid to the folder where you want to store the device profile



The device profile folder is changed from "device definition" to "self service scales"

5.3.4 Profile files

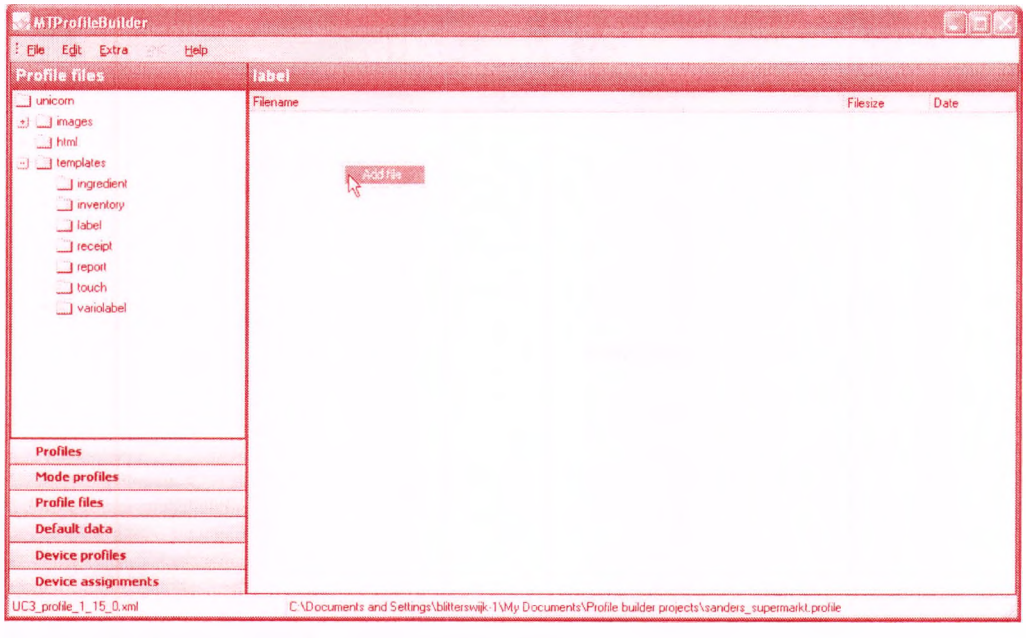
In the section profile files you can add all the **files** necessary for the configuration. The files will be send as **UC3 application data** package to the repository server. If you have no repository server defined then it is **not** possible to send the files to the scales.

5.3.4.1 Adding files

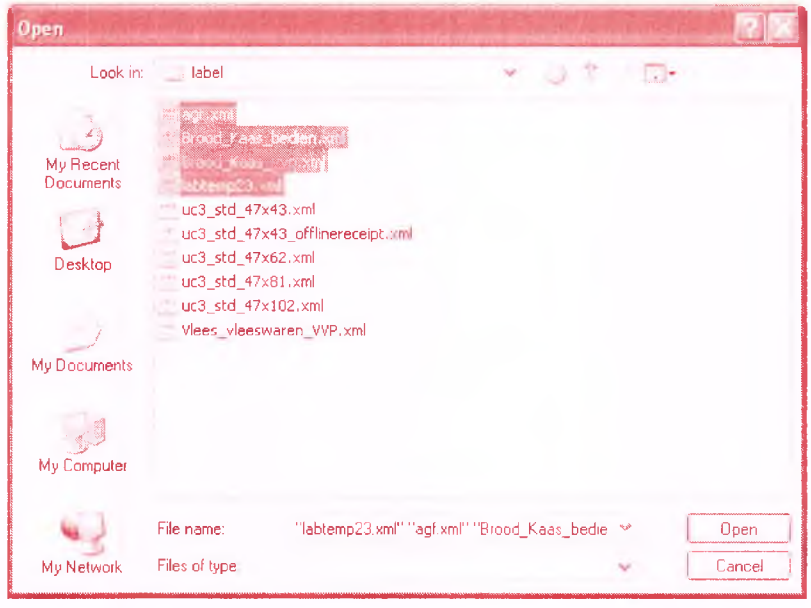
After opening a project file, navigate to the "Profile files" section

On the left side you will see the folder structure as available on a normal UC scale. The unicorn folder in this application is the same location as \Speicherkarte\Unicorn on an UC folder. In order to add files to the project do the following steps

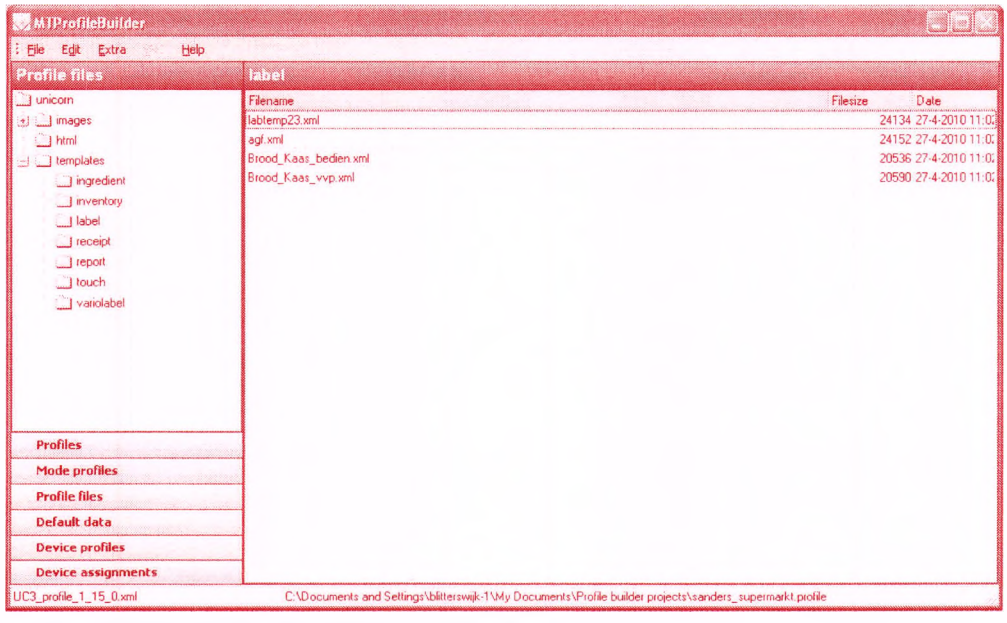
1. Select the folder where you want to add files to (in this case the label folder)



2. Press the right mouse button and select "Add file"



3. The open file dialog will show and you can select the files from you local harddisk or network folder which need to be added to the file. Please notice that the files will be added to the project file and that the link to the original file on your harddisk is not stored. The files will be added to you project file



You can do this for additional files in other folders

5.3.4.2 Deleting files

Files can be deleted from the profile files section by selecting a file, or select multiple files and press the DEL-toets in order to delete the files.

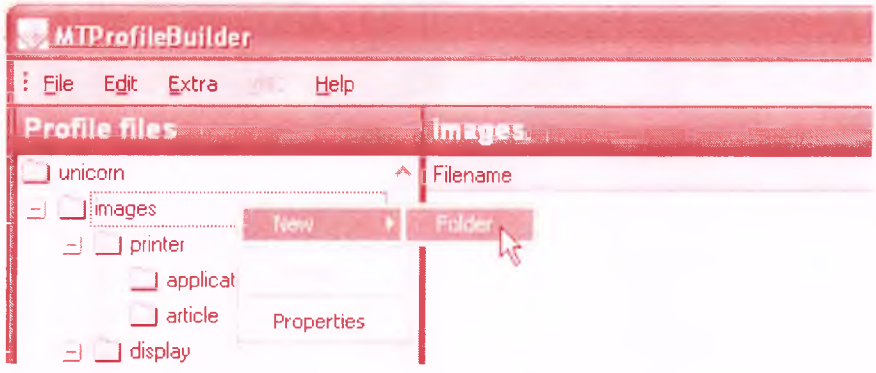
5.3.4.3 Moving files to other folders

Select multiple files and drag them into the destination folder on the left side.

5.3.4.4 User definable folders

By default the folder layout is displayed as defined on the UC scale. It is however possible to create additional folders. In order to create a folder do the following steps

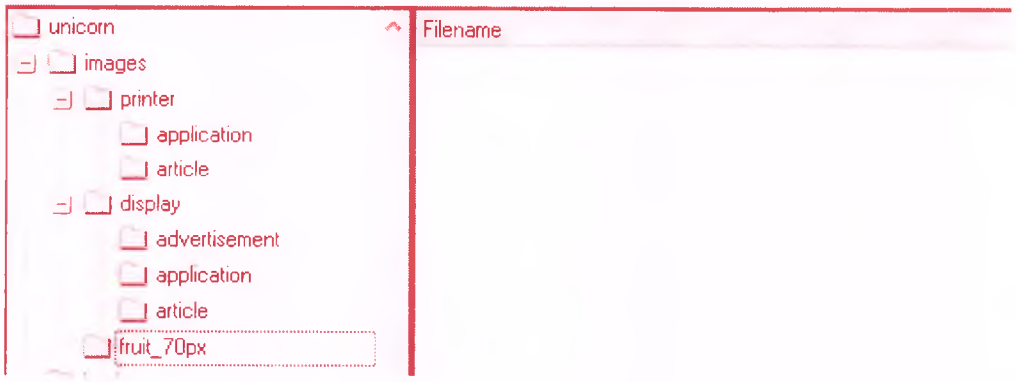
1. Click on the parent folder and click on the right mouse button and select New → Folder



The new folder is created with the name "New folder"

2. Double click on the new folder in order to change the foldername

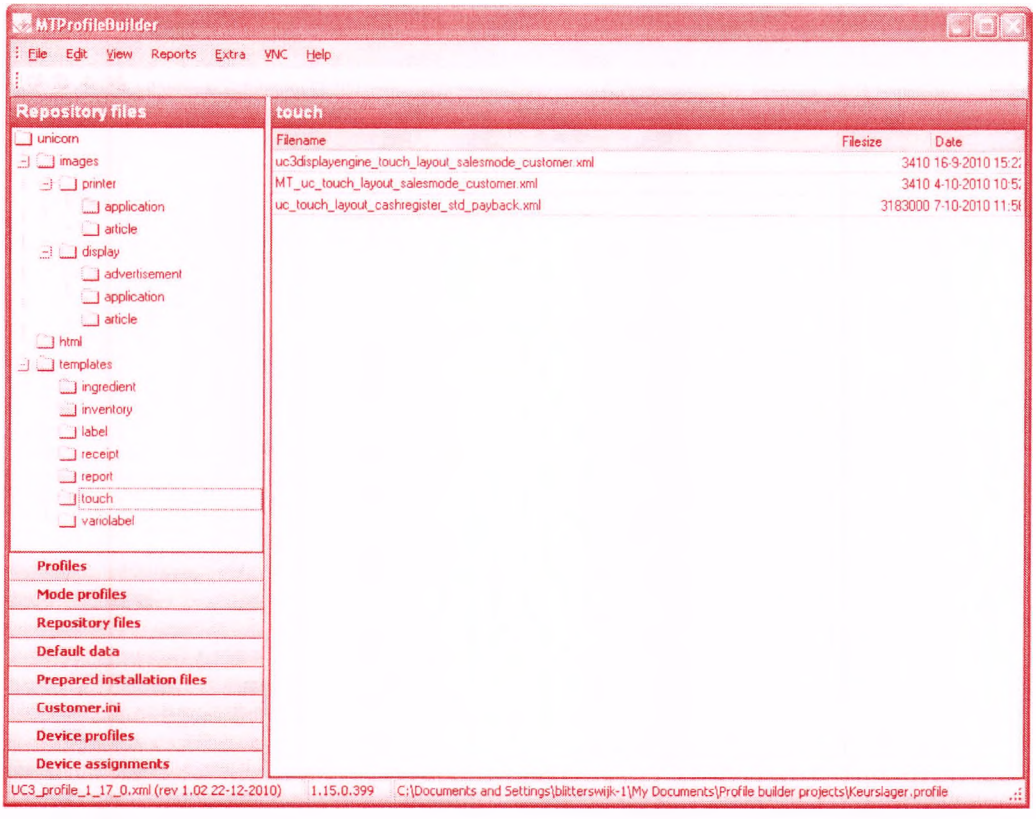
3. After pressing the Ok button, the foldername will change



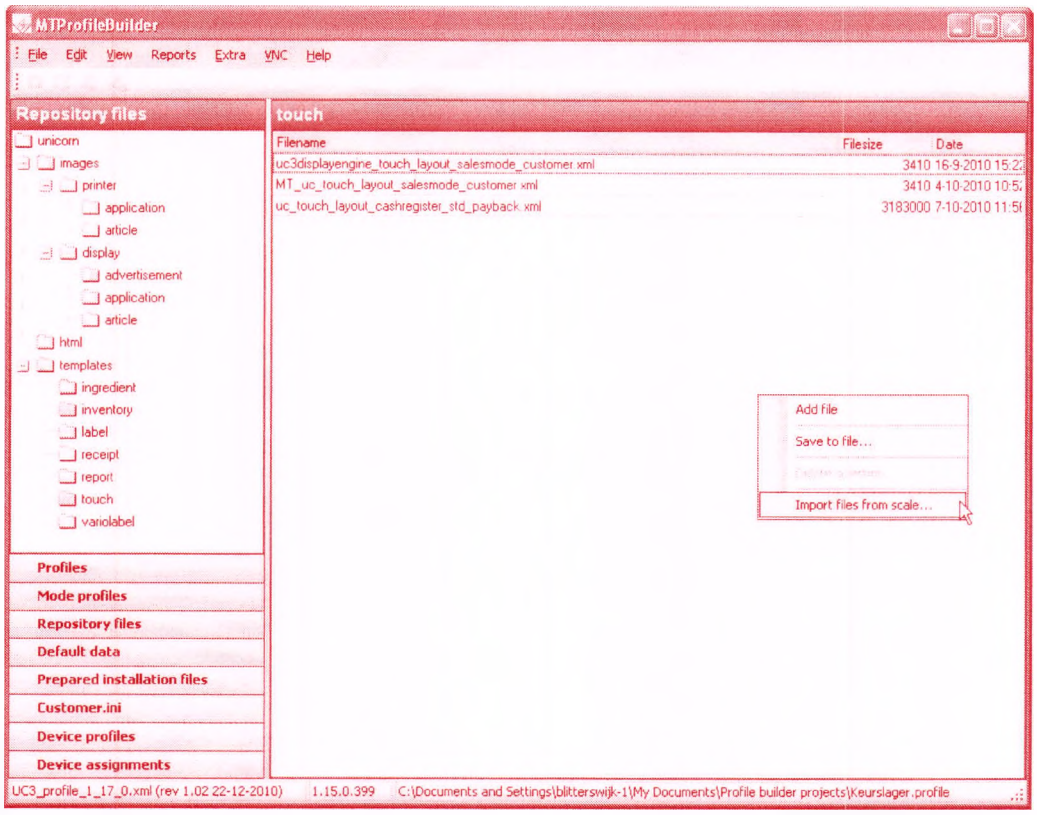
5.3.4.5 Import files from scale

Starting from MTProfileBuilder 1.15 it is possible to receive the files directly from the scales. Do the following actions in order to import files

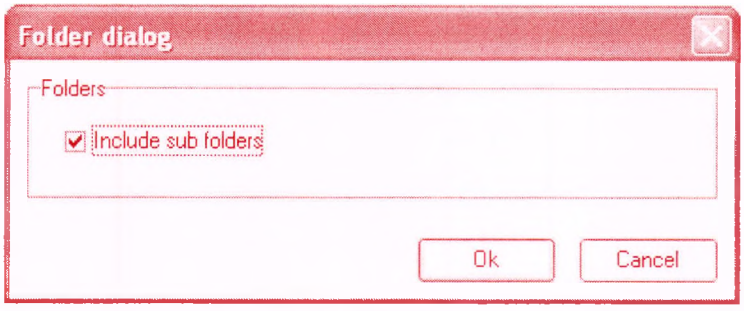
1. After detecting and selecting a scale using the module "Device assignments", select the folder where you want to import files to



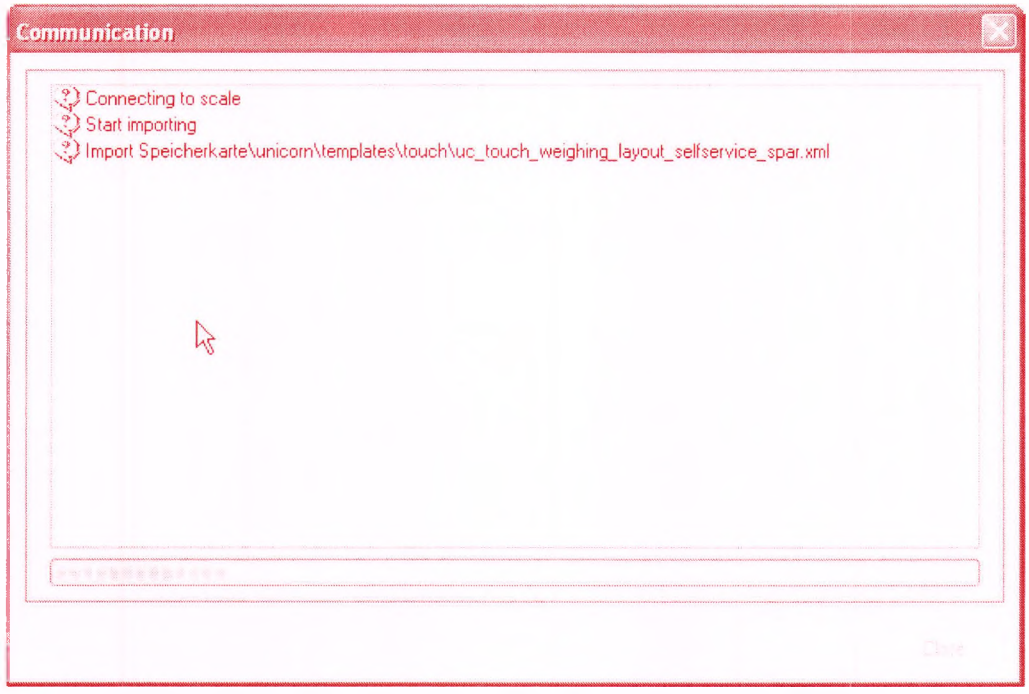
2. Press the right mouse button and select "Import files from scale" from the context popup menu



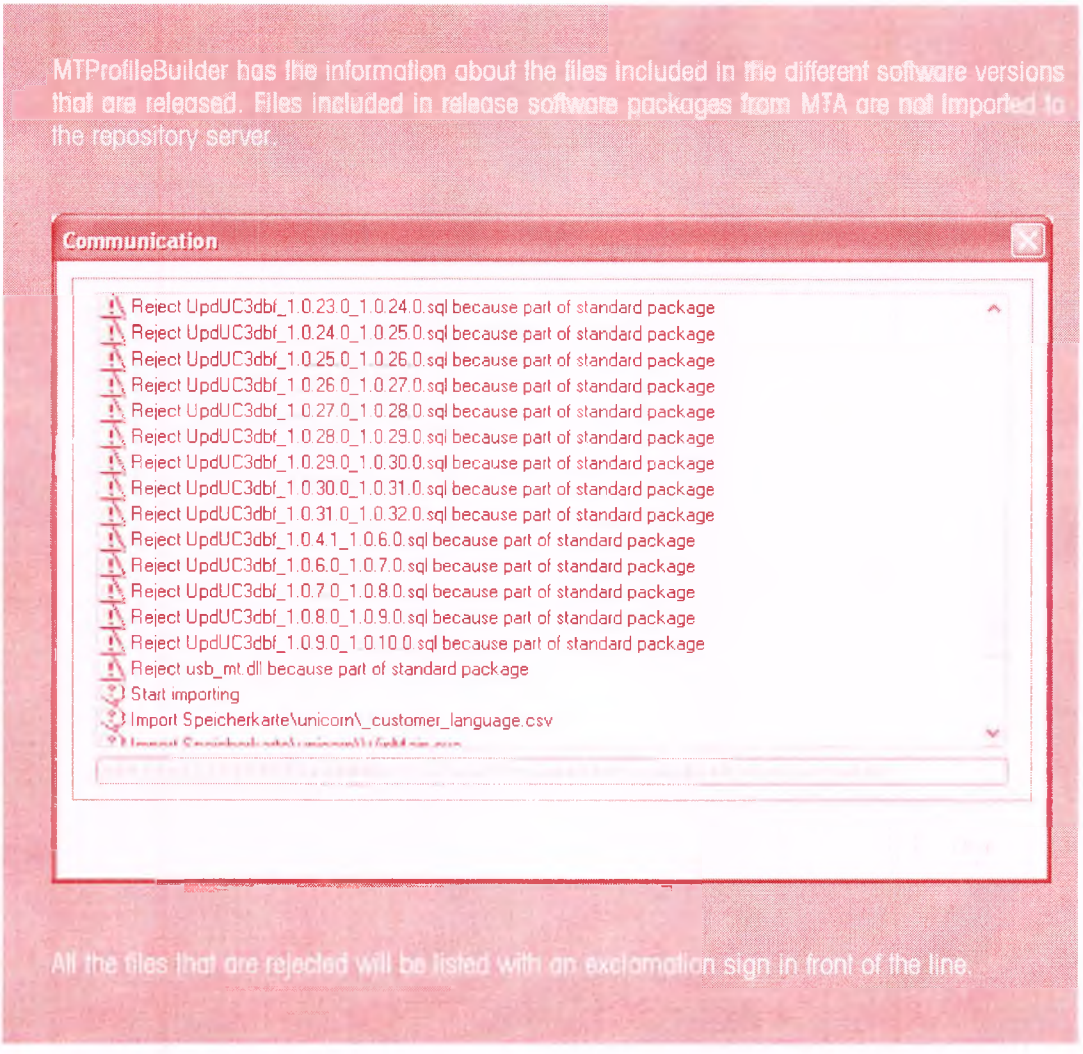
3. Using the dialog you can select if you want to include sub-folders to copy to the repository server



4. Press the ok button to start to copy the files to the repository



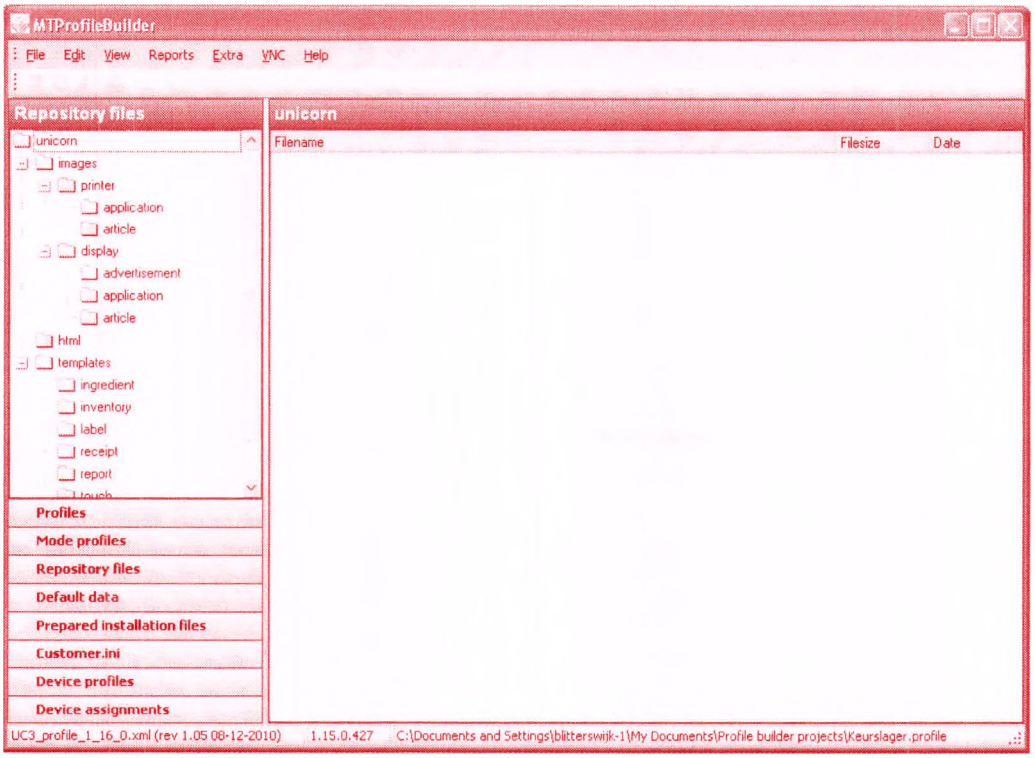
5. Depending on the connection speed and size of files and this can take a while. The close button will be enabled when the function is ready.



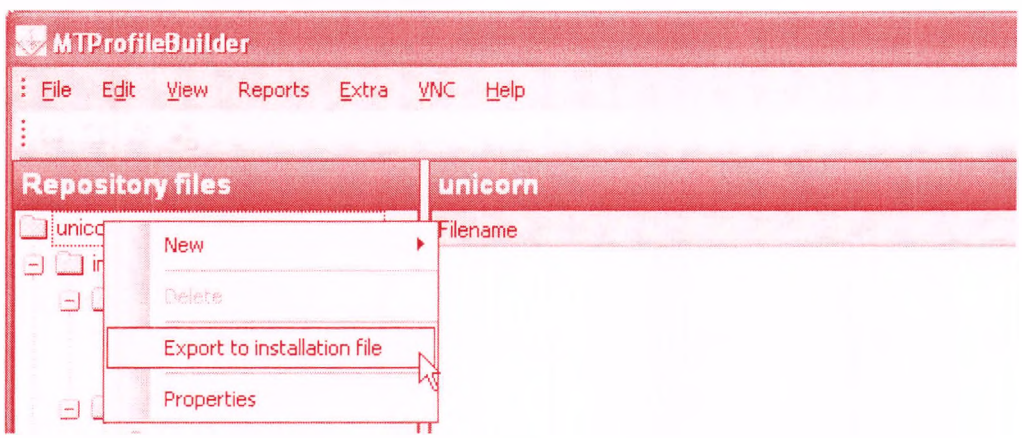
5.3.4.6 Exporting repository to installation package

It is possible to export the repository to a installation package which can be used in order to distribute to the scale using another application then MTProfileBuilder. Do the following steps.

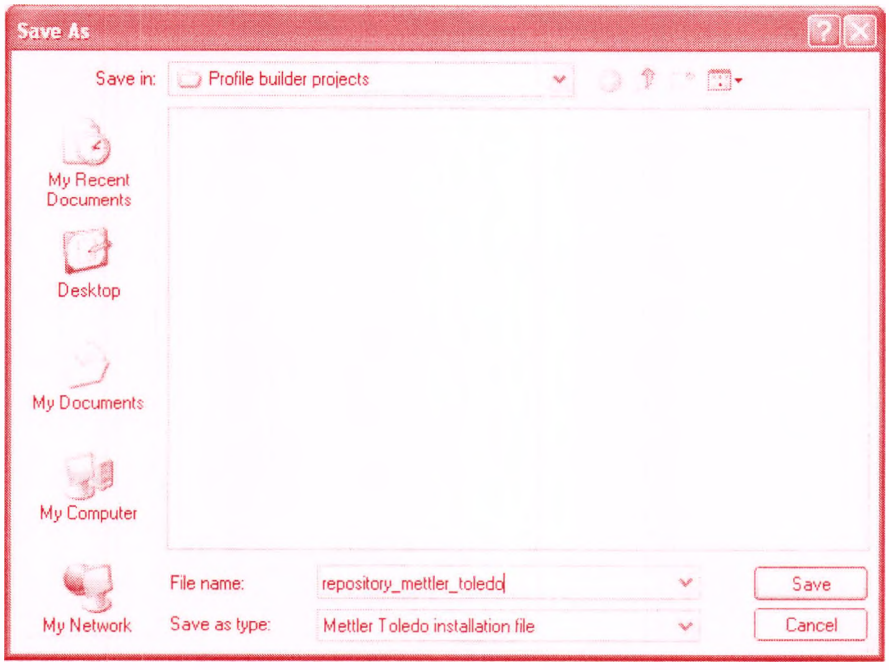
1. Activate the module "repository files"



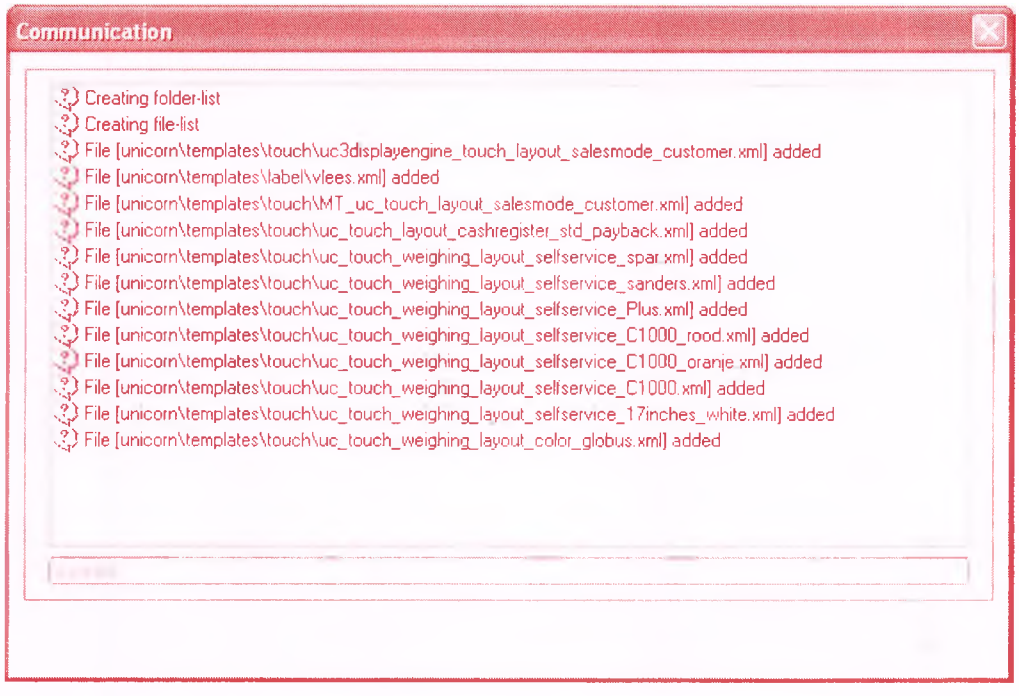
2. Select the unicorn folder on the left side of the screen and press the right mouse button. A context menu will popup.



3. Select "Export to installation file"



4. Enter the filename that you want to use in order to store the repository to.



5. The files are now exported to the installation file.

You can use this file with other Mettler Toledo tools to send the file to the scale.

5.3.5 Default data

Default data is data that is necessary in order to configure the scales. Sending the profiles is not enough. You need to set additional information like date texts, barcodes, tares etc. Without this information you cannot use the scales. As MTProfileBuilder does not have a datamanagement editor integrated in this version, it is possible to import TransUC3 formatted

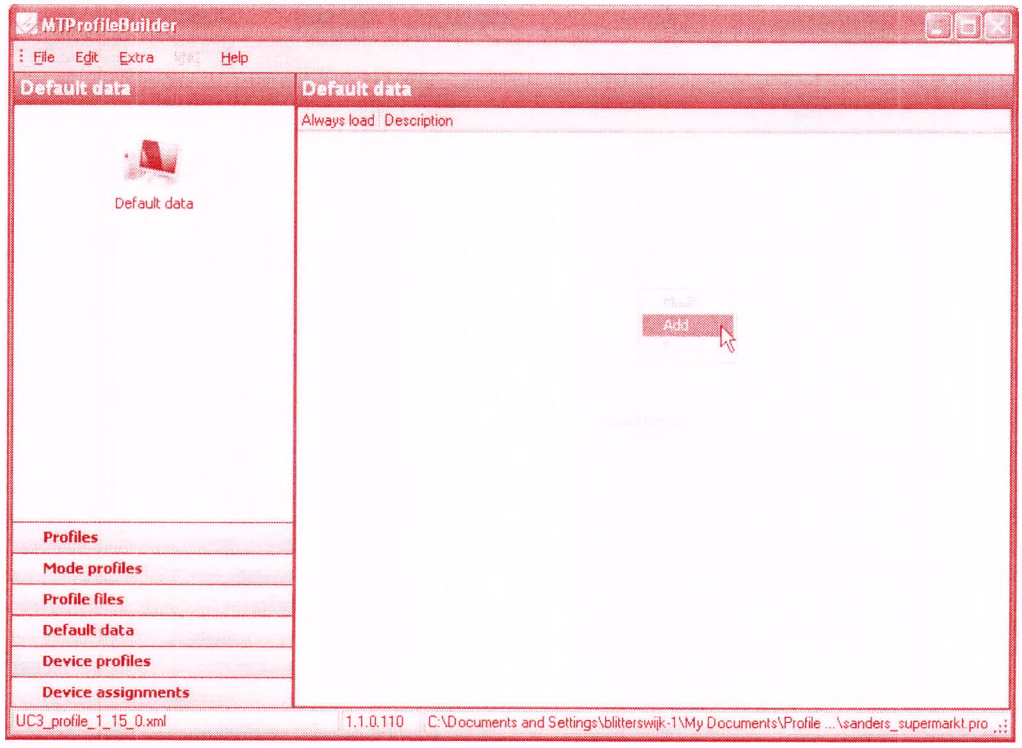
text. To make it easier, it is possible to import the information from the scale by using the integrated communication driver.

Starting with version 1.22 it is possible to include also UC3 installation packages as part of default data. These packages should then be in the UC3 Zip format. These packages can be generated by using MTUC3ZipGenerator.

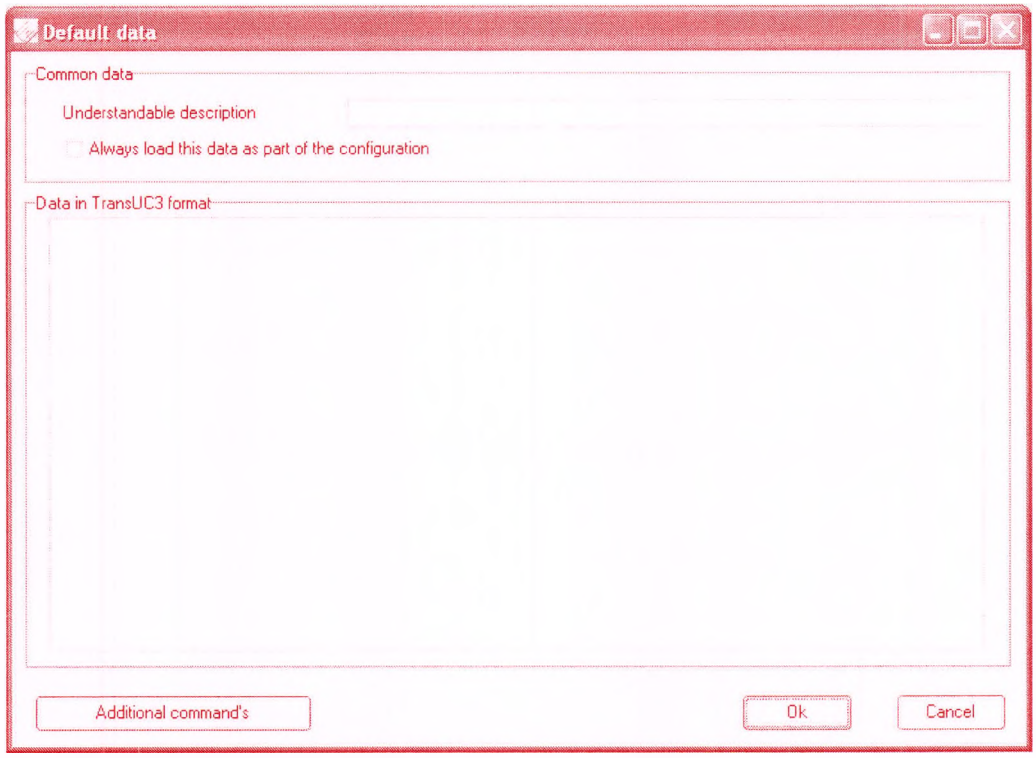
5.3.5.1 Adding default data

By selecting the default data module you can start with adding information. Do the following steps

1. Select the default data module



2. Press the insert key or select Add from the context popup (right mouse button)

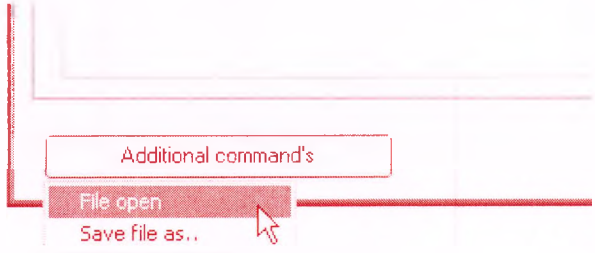


By using the default data dialog you can add TransUC3 formatted data to the database. Use the additional commands button in order to import data from a file or import directly from the scale.

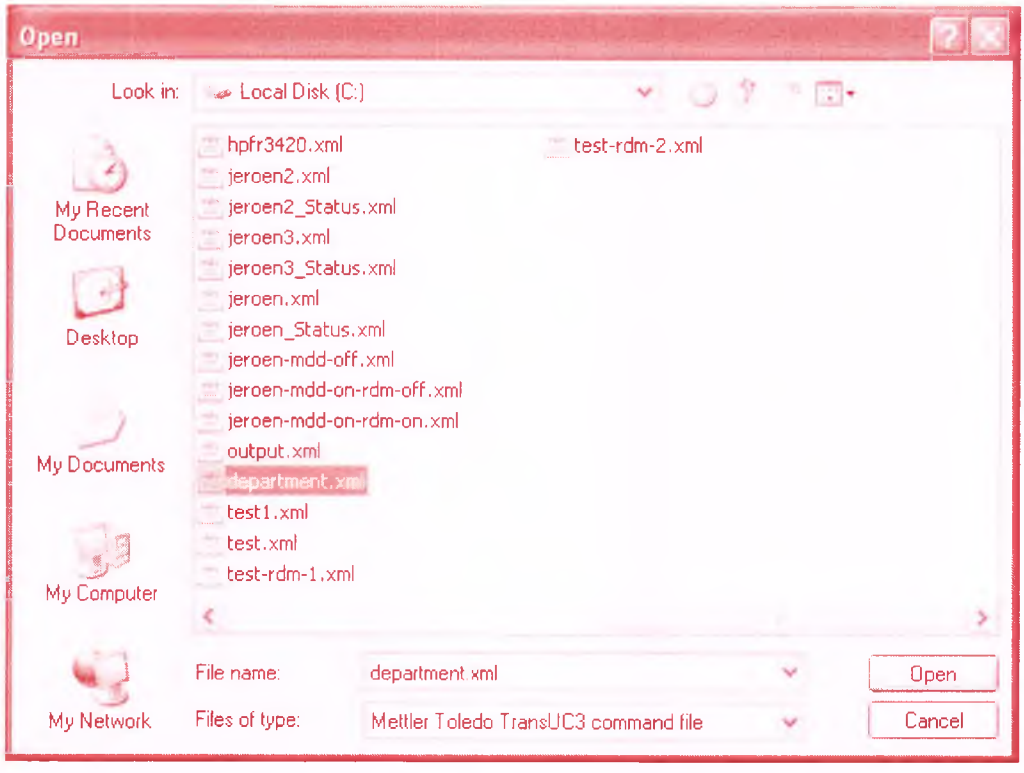
3. Define a description for this common data like "Department names", "Standard tares". By enabling the "Always load this data as part of the configuration" you make sure that this default data is loaded as part of the configuration (sending profiles / complete configuration).

5.3.5.2 Importing data from TransUC3 file

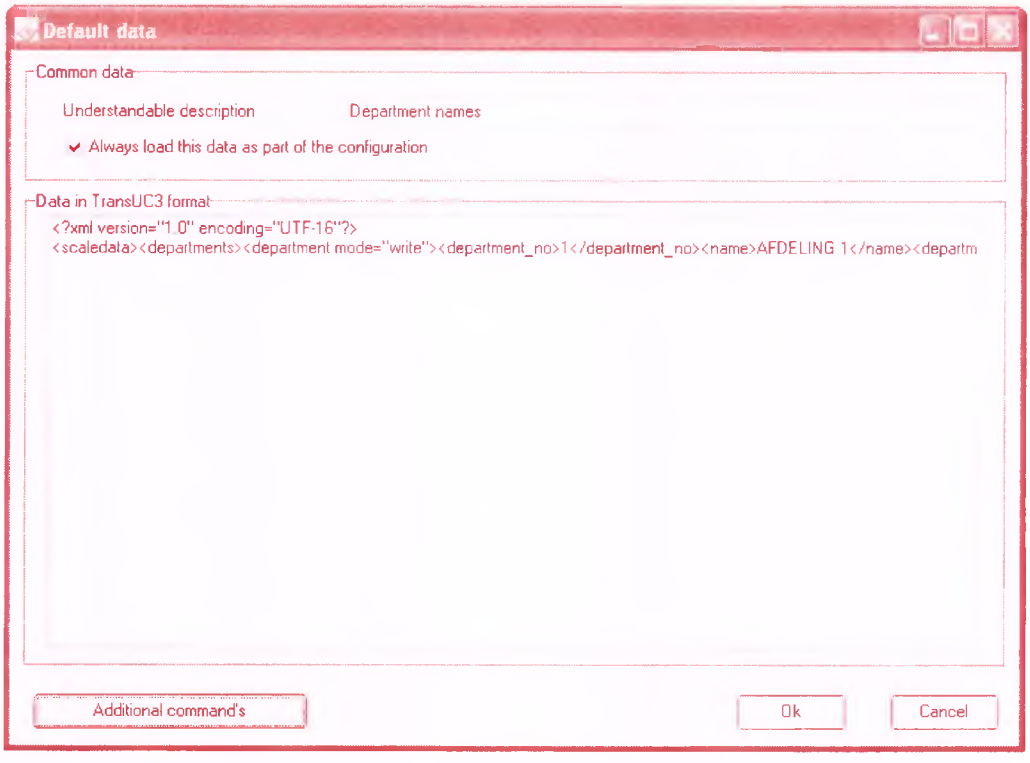
By pressing the additional commands button, a popup will show up



1. Select File open



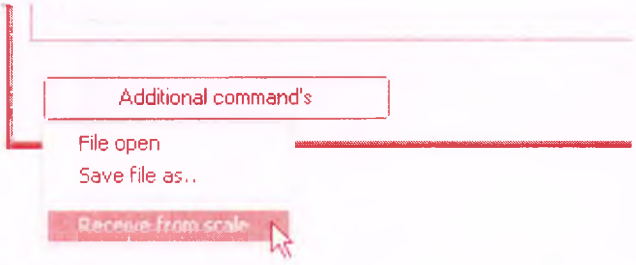
2. Select the file you want to import and press the Ok-button



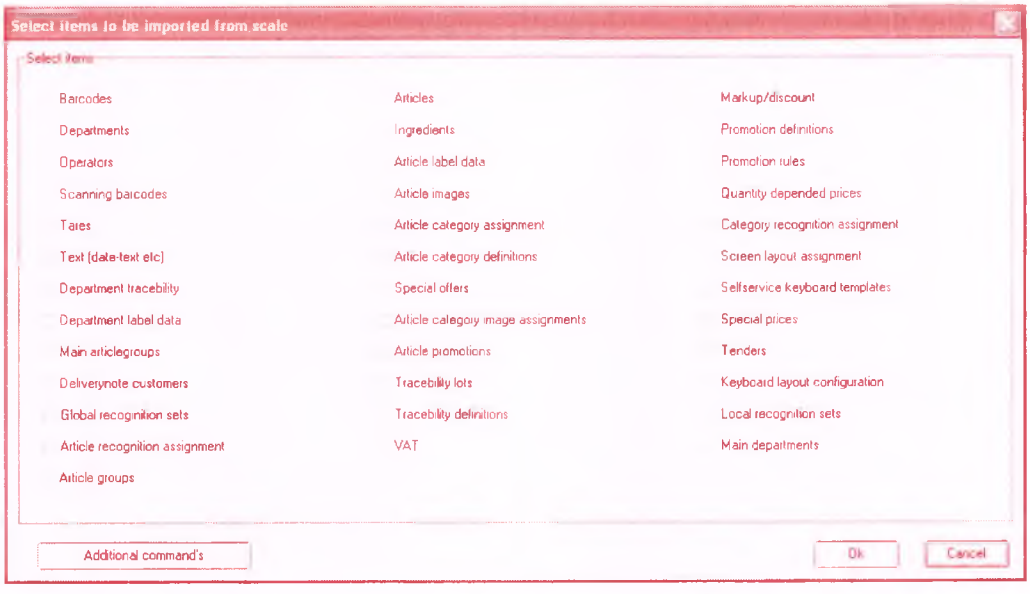
The data is displayed. Press the Ok-button in order to save this data to the project file.

5.3.5.3 Importing TransUC3 data from the scale

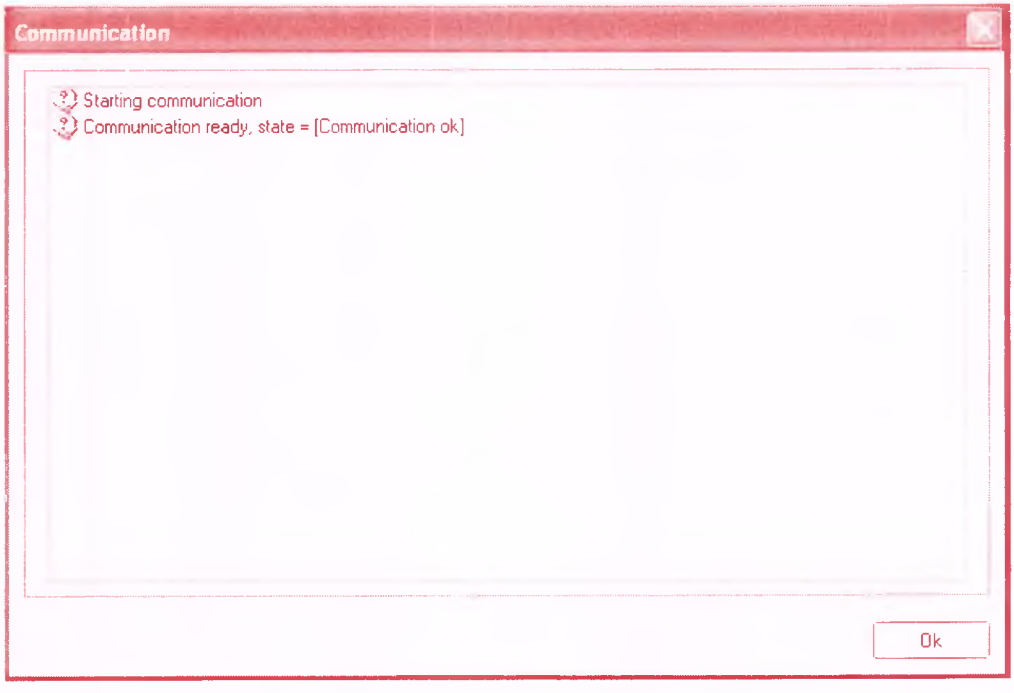
By pressing the additional commands button, a popup will show up



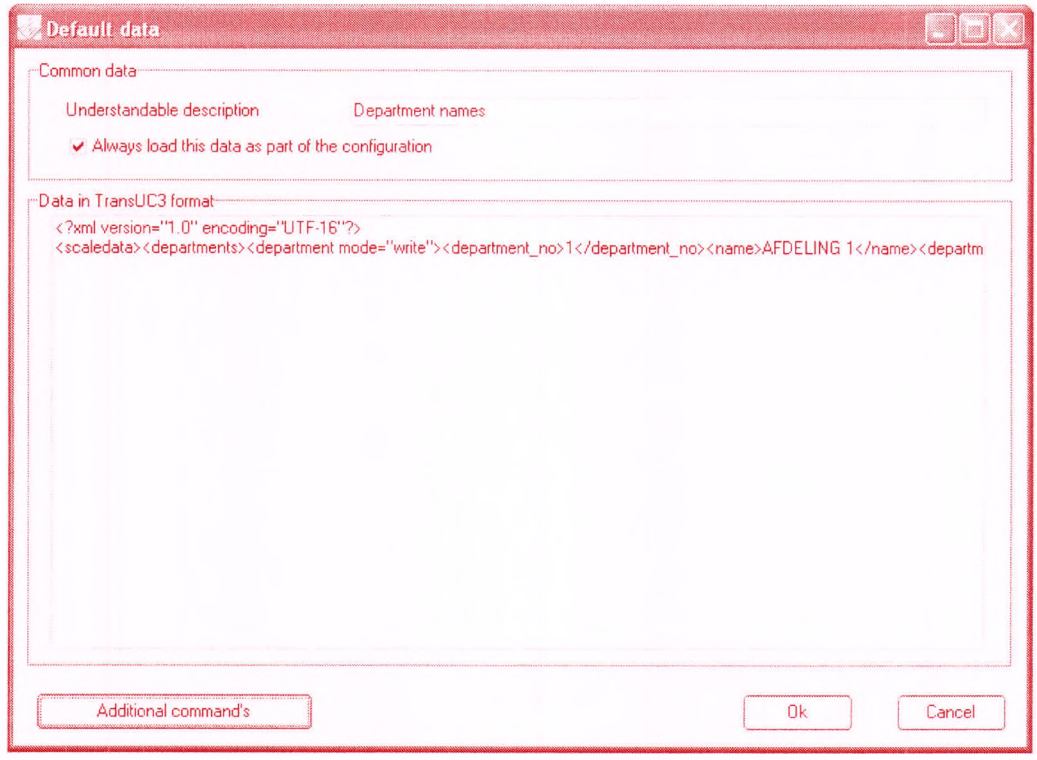
1. Select "Receive from scale"



2. Select departments and press the Ok-button. The communication will start.



3. Press Ok when the communication is ready



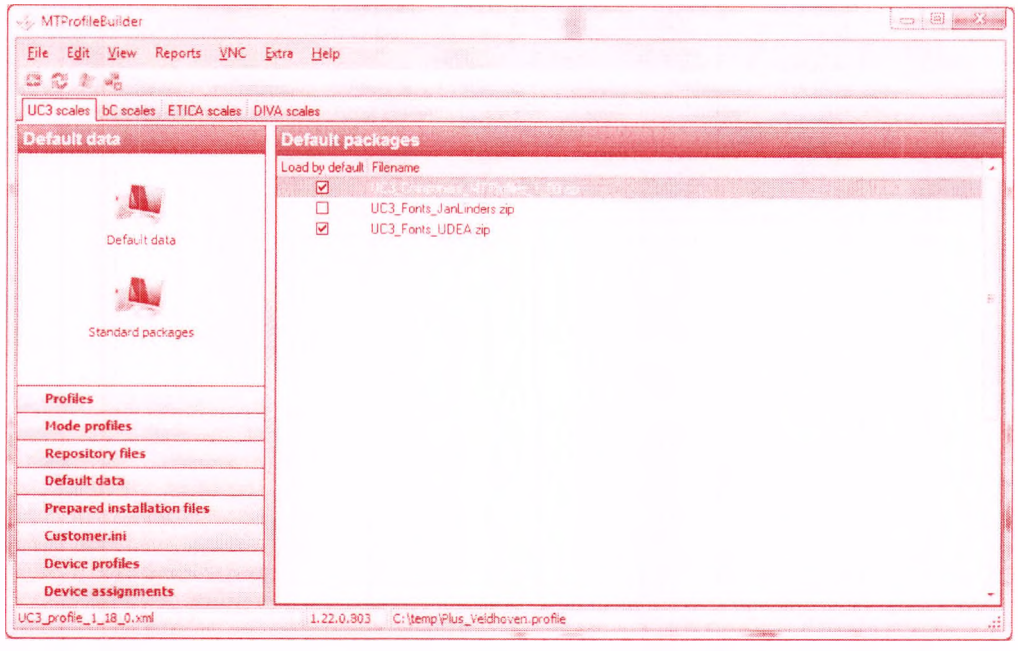
4. Press the Ok button. The data will be stored in the project file.

5.4 Default packages

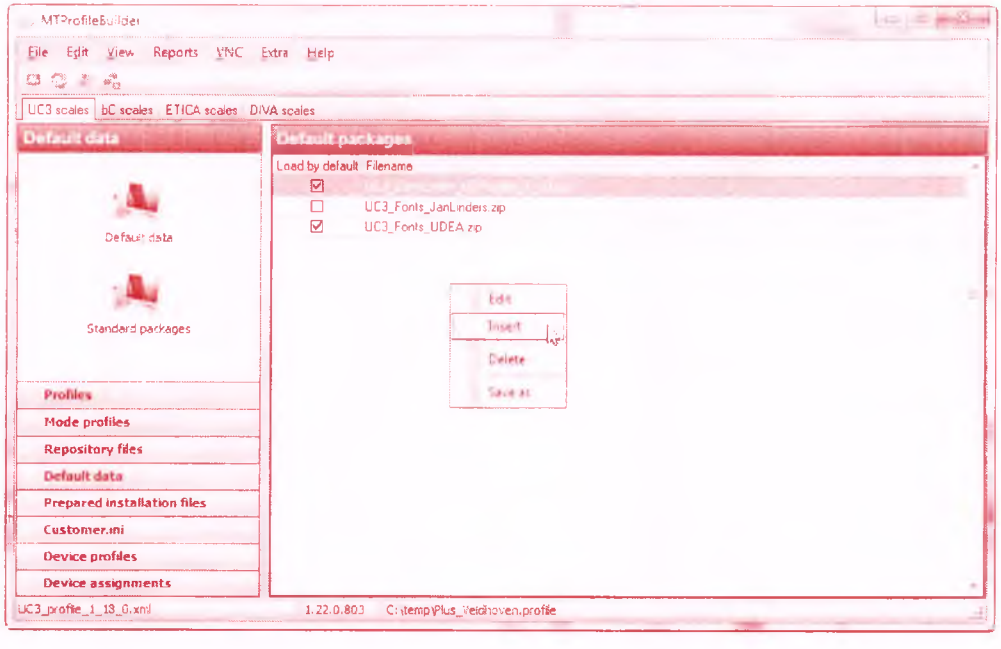
Default packages are installation packages for the UC3 scale which can be used in order to deploy fonts, additional software etc. These packages will be deployed to the scale as part of the repository.

5.4.1 Adding a package

Select default packages from the sidebar

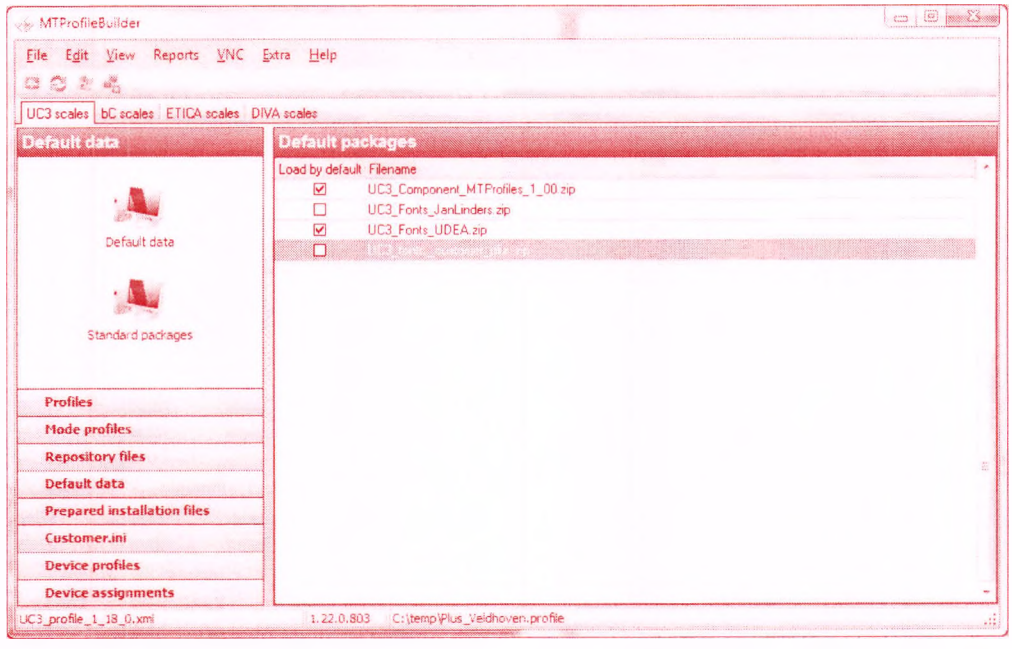


Press the right mouse button in order to display the context menu and select "Insert"

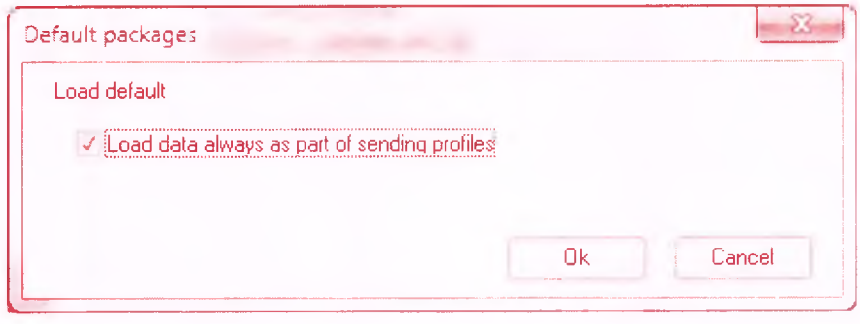


Browse to the directory and select the package you want to include in the project

After closing this window, the package will be added to the project.



By double clicking the file you can select if the package will be distributed as part of the repository transfer.



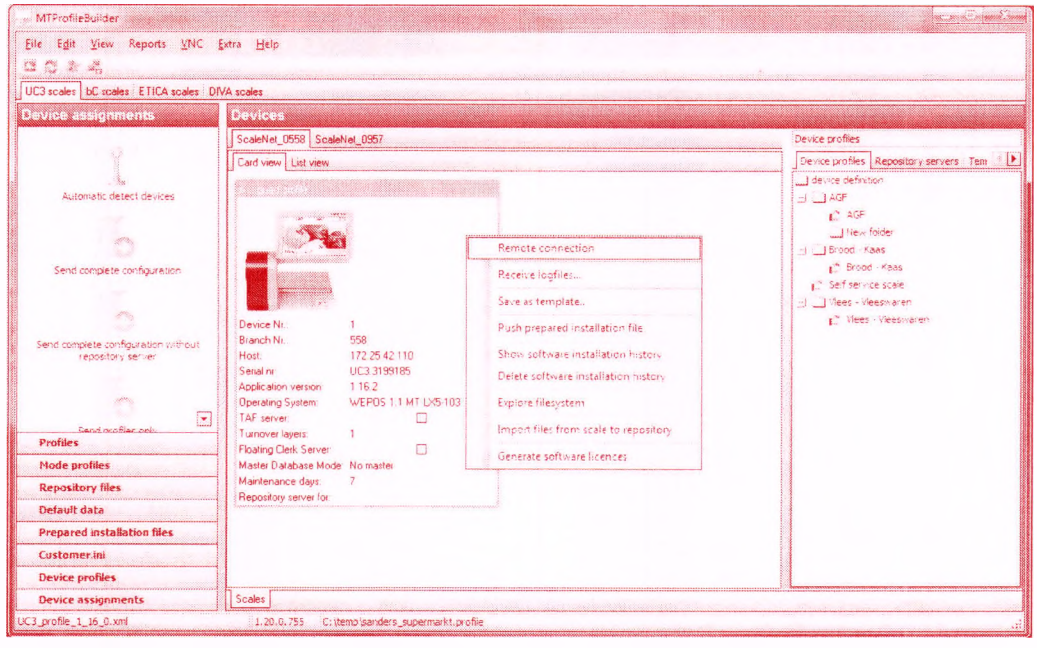
Press Ok

5.5 Use the integrated VNC client

Integrated in MTProfileBuilder is an VNC client. You can easy create a VNC connection by doing the following steps

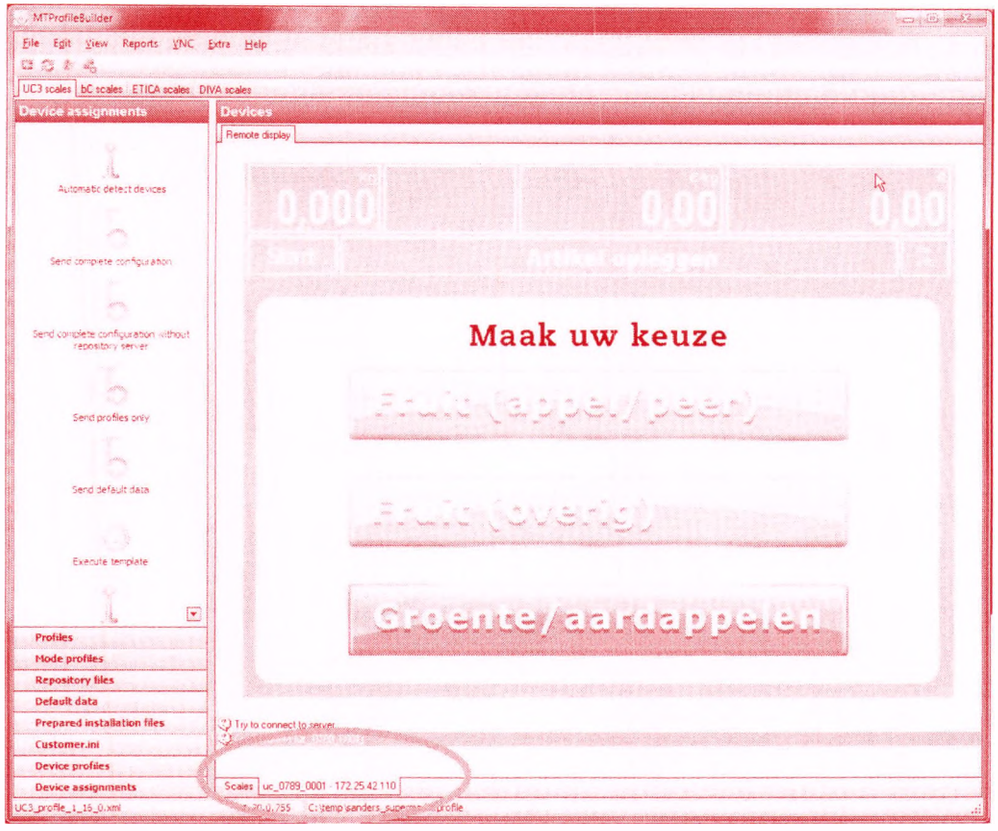
5.5.1 Creating a VNC client connection

1. Select the device assignments module



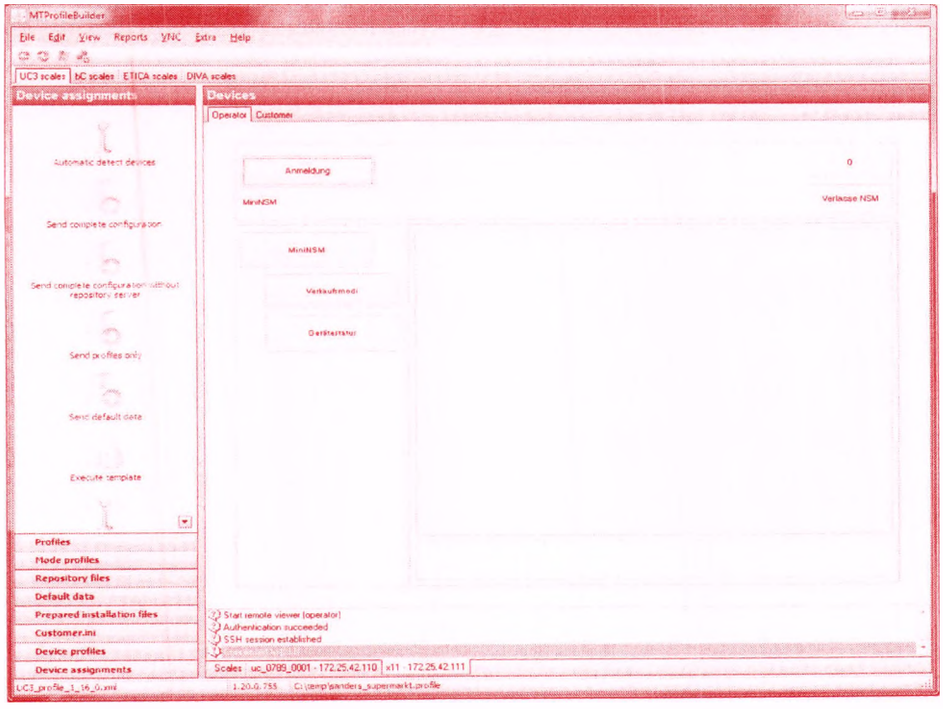
2. Use the automatic detect devices button in order to detect the available UC scales in the network

3. Press the right mouse button and select "Remote connection" from the context popup menu.



4. The VNC Client will popup in the screen. You can switch between de scales page and the VNC client to the scale by pressing the "Scales" page or the activated scale page (red marked above). You can setup multiple connections to the scale

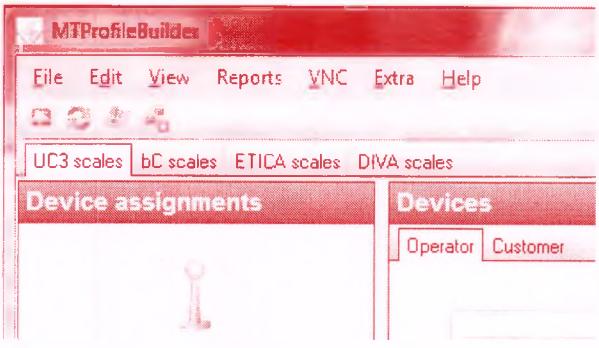
5. Select the scales sheet and activate the remote connection for an other scale



You will see an addition page added at the bottom of the screen (red marked above)

5.5.2 Disconnecting VNC client

The VNC connection can disconnected by select Disconnect from the VNC menu or by pressing the key combination ALT+D. Additional you can use the speed buttons.

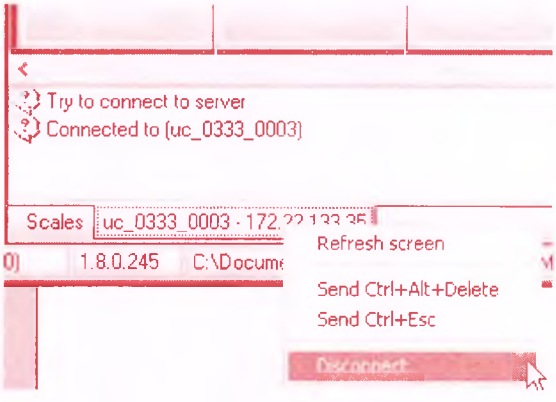


Icon	Command
	Send Ctrl+Alt+Delete
	Refresh screen
	Send Ctrl+Esc (windows start button)
	Disconnect from device.

5.5.3 VNC Context menu

The pages with VNC connections do also have a VNC context menu.

1. Press the right mouse button on the bottom header for the connection (here uc_0333_0003) and the context popup will display.



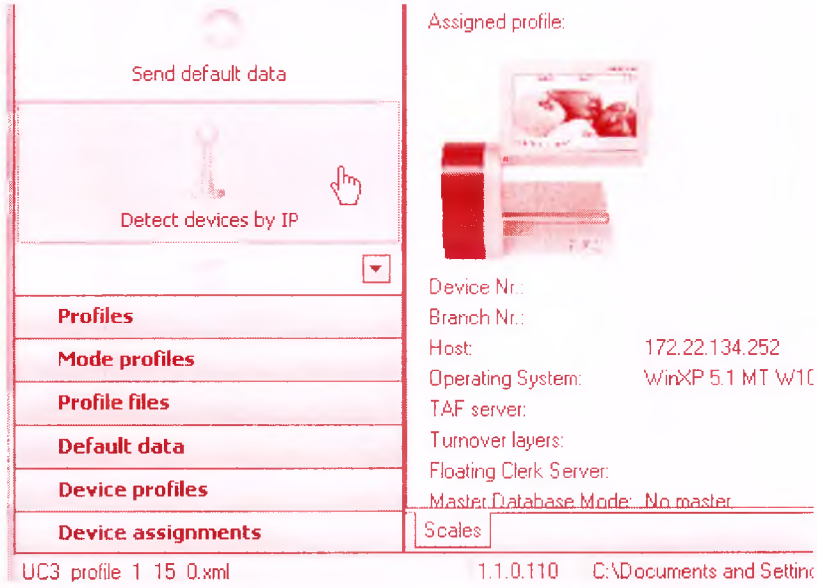
Use the items from this popup in order to control your VNC connection.

5.6 Setup a connection when the automatic detection does not work

It is possible that due to firewall policy in your organization, or the fact that you are connected to the scales using a VPN connection that the automatic scale detection does not work. The automatic scale detection does only work when you have installed the scales locally in the same subnet as your PC is installed in.

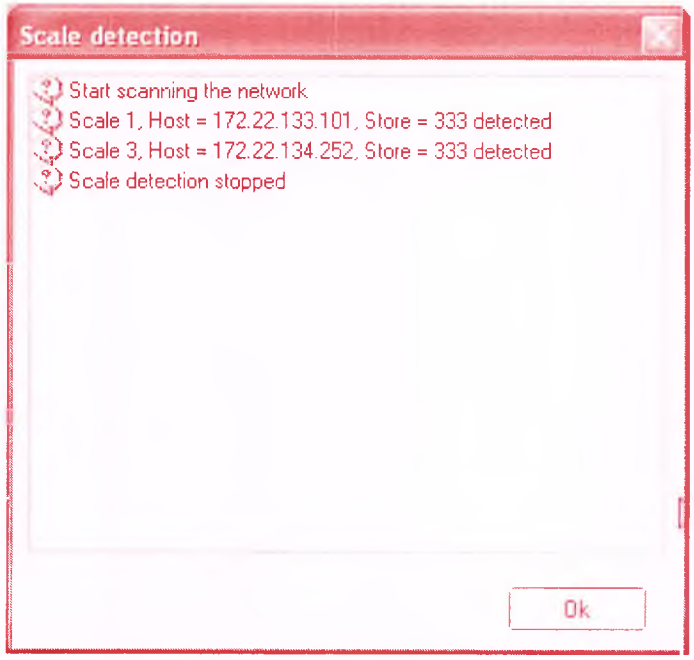
5.6.1 Setup remote connection

1. Select the "Detect devices by IP" button in the taskbar



2. Using the dialog you should enter the IP-address for one of the scales in the target network

3. The scale detection will start using the entered IP address



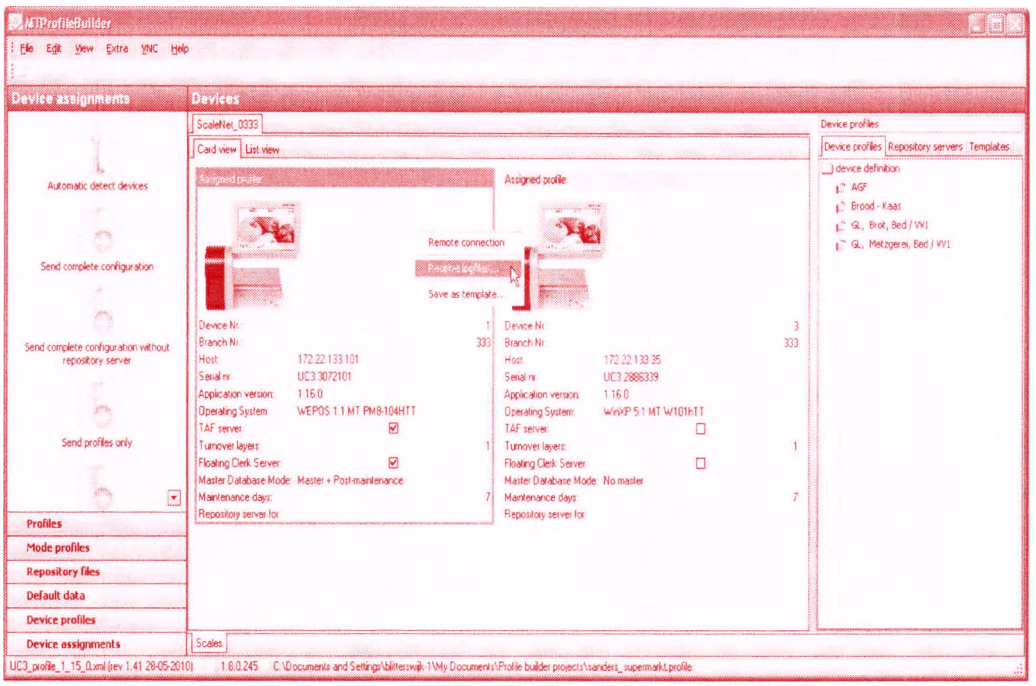
Finally the scales are added to the list.

5.7 Receive logfiles from a scale

Integrated in MTProfileBuilder is a function to retrieve the files logerror.txt and logtrace.txt. You can easy retrieve the files by doing

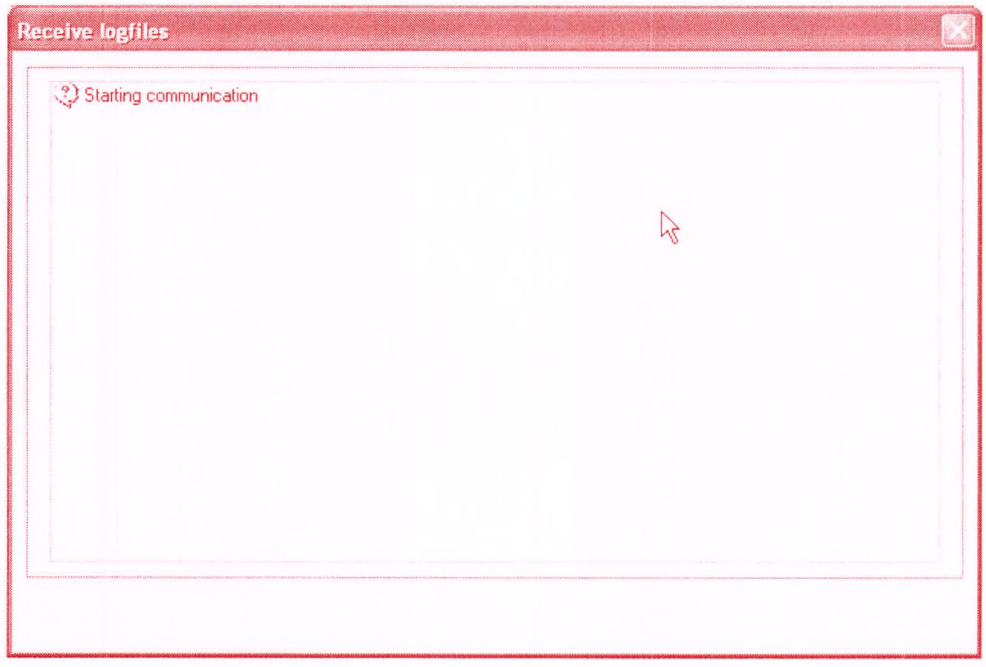
5.7.1 Receiving a logfile

1. Select the device assignments module

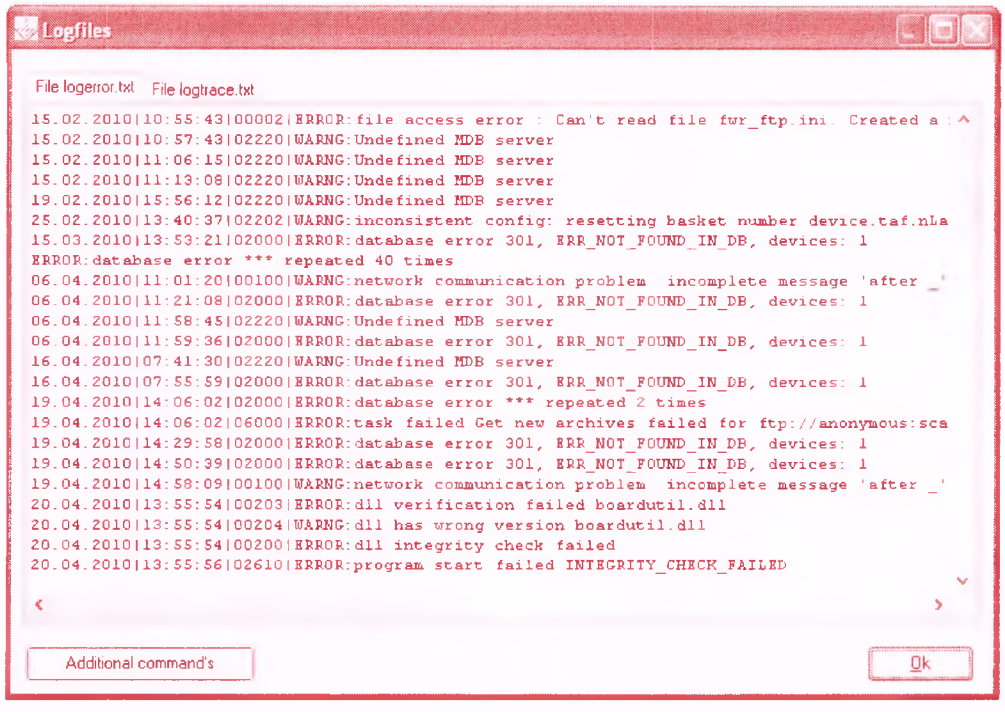


2. Use the automatic detect devices button in order to detect the available UC scales in the network

3. Press the right mouse button and select "Retrieve logfiles..." from the context popup menu.



4. The communication with the scale will start in order to receive the logfile. If the communication is successful, the logfiles will be displayed



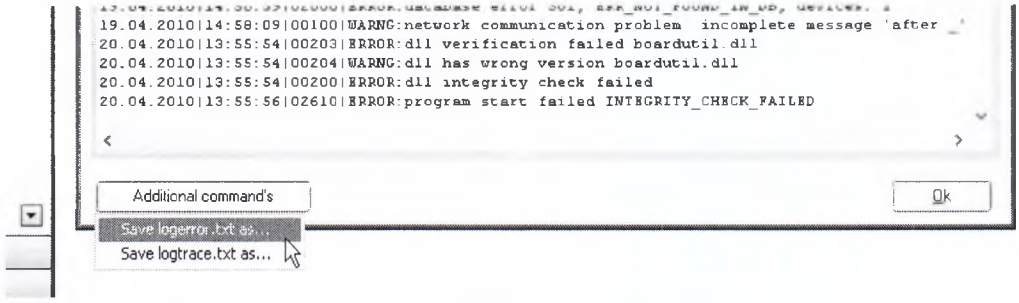
5. By pressing the Ok button this display will be closed

5.7.2 Storing logfile to harddisk

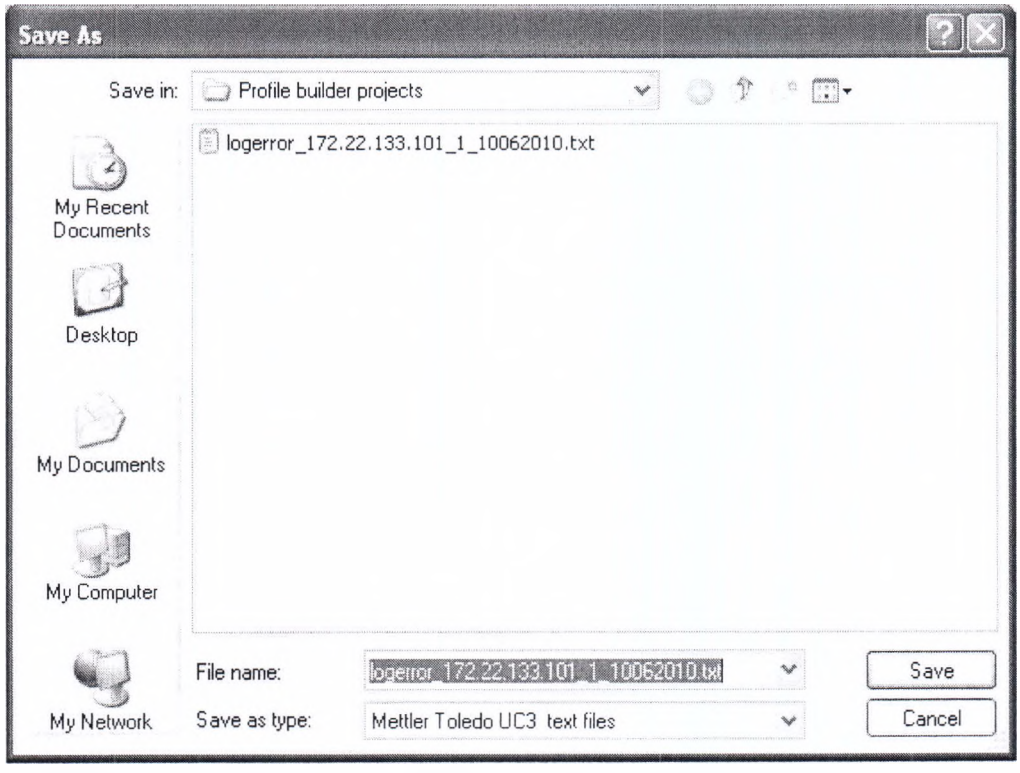
It is possible to store the logfile on your local harddisk in order to send it to a support department. In order to make this possible you have to do the following steps

1. Receive a logfile as instructed in 5.6.1

2. Press the "Additional command's" button



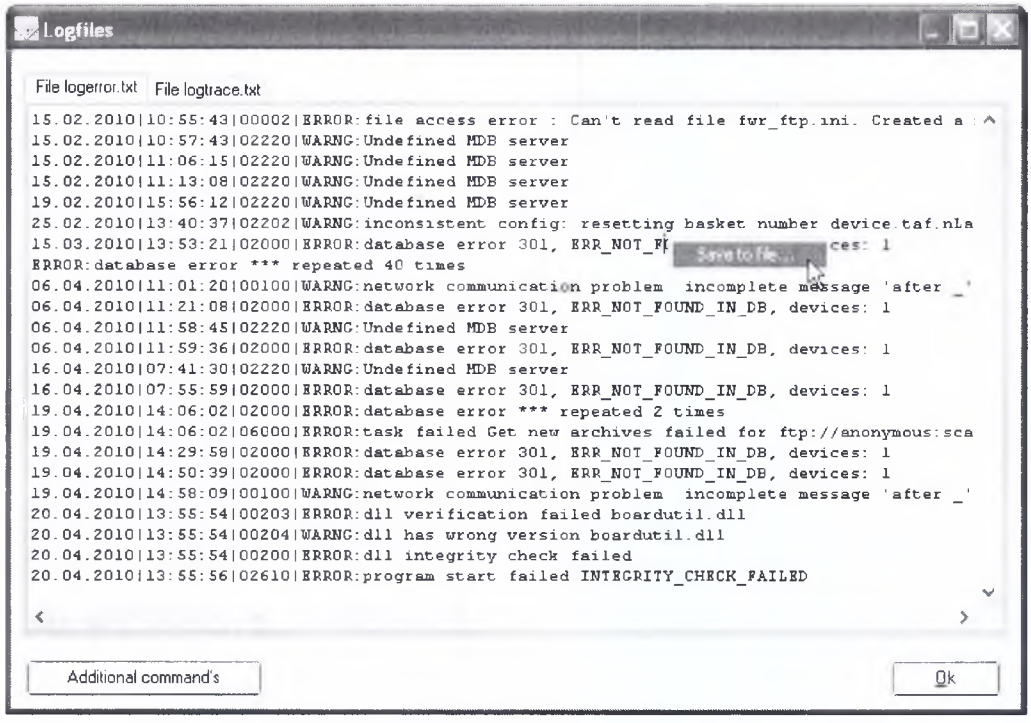
3. Select "Save logerror.txt" from the dropdown list or "Save logtrace.txt as" depending on your needs. A file save dialog will popup



4. By default MTProfileBuilder saves the logerror or logtrace file in a format like "logerror_<ip address>_<device no>_<date>.txt . You can change this however to your own format

There is also an additional way.

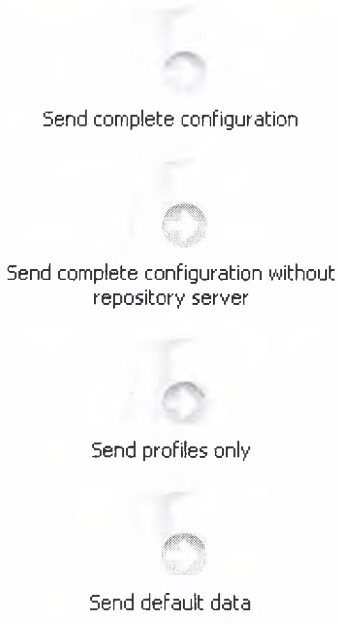
1. Press the right mouse button in the logfile



2. Select "Save to file". The same file dialog will popup in order to store the file

5.8 Use the different communication ways

Integrated in MTProfileBuilder are several different ways to send the data to the scale.



The different communications ways have the following functions

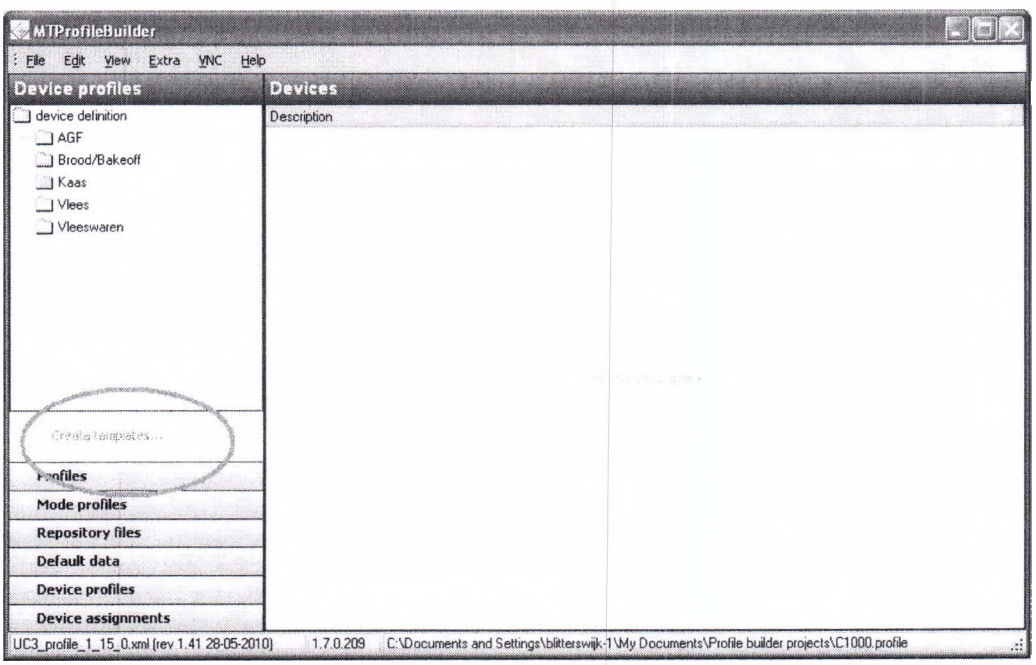
Communication way	What is transferred ?
Send complete configuration	Profiles, Mode profiles, Assigned device profiles, assigned values regarding floating clerk services etc and files (layouts, images etc) and default data
Send complete configuration without repository server	Profiles, Mode profiles, Assigned device profiles, assigned values regarding floating clerk services etc. and default data
Send profiles only	Profiles and mode profiles
Send default data	Only default data (a selection screen will popup asking which data to be send to the device)

5.9 Use templates

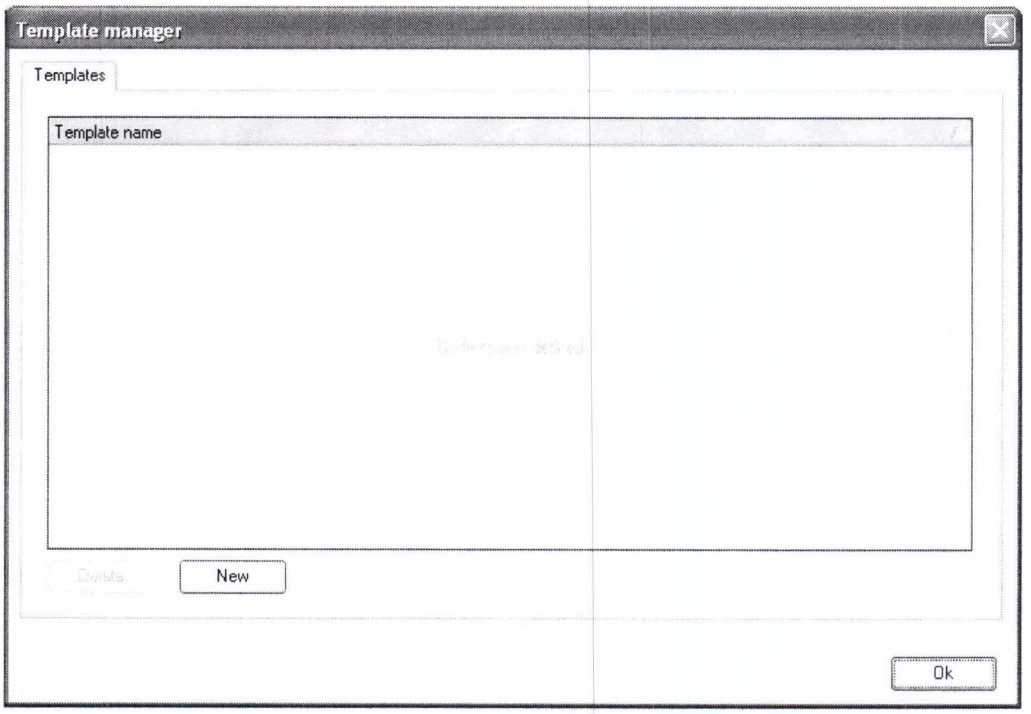
Starting from application version 1.7 there is a support for the use of templates. Templates are an additional layer in the device definition. Using templates you can define which scale (based on the scale number) is using which device definition. Additional properties like taf-server, floating clerkserver, masterdatabase mode etc can also be defined. There is no limitation on the number of templates defined in the project.

5.9.1 Create a template by design

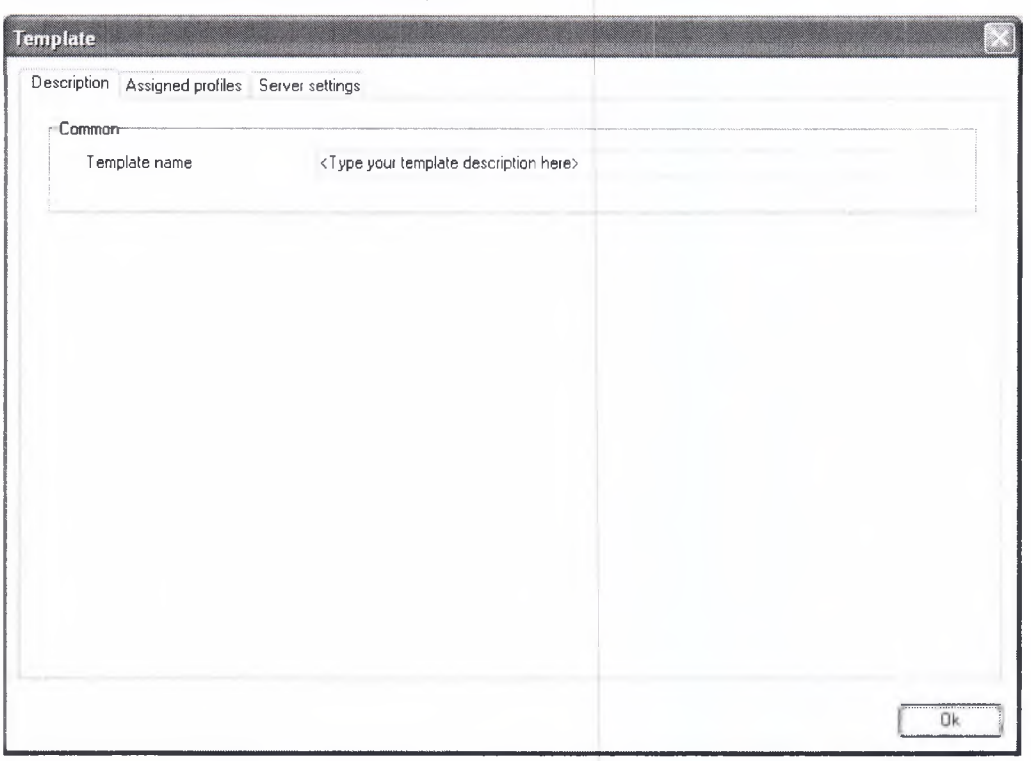
Creating templates is located in the same screen as creating device profiles. In order create templates, you have to do the following steps



1. Select the "Create templates"-link in the device profiles section (see marked red area above)

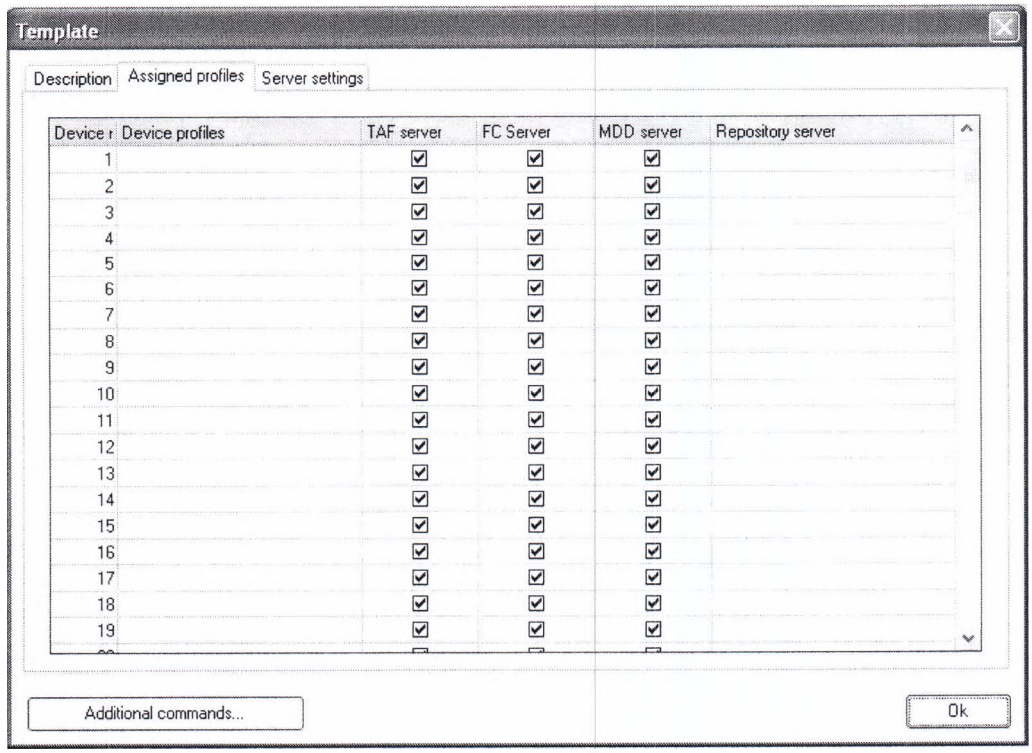


2. The template manager will popup and display all available templates in the project. Press the new-button in order to create a template.



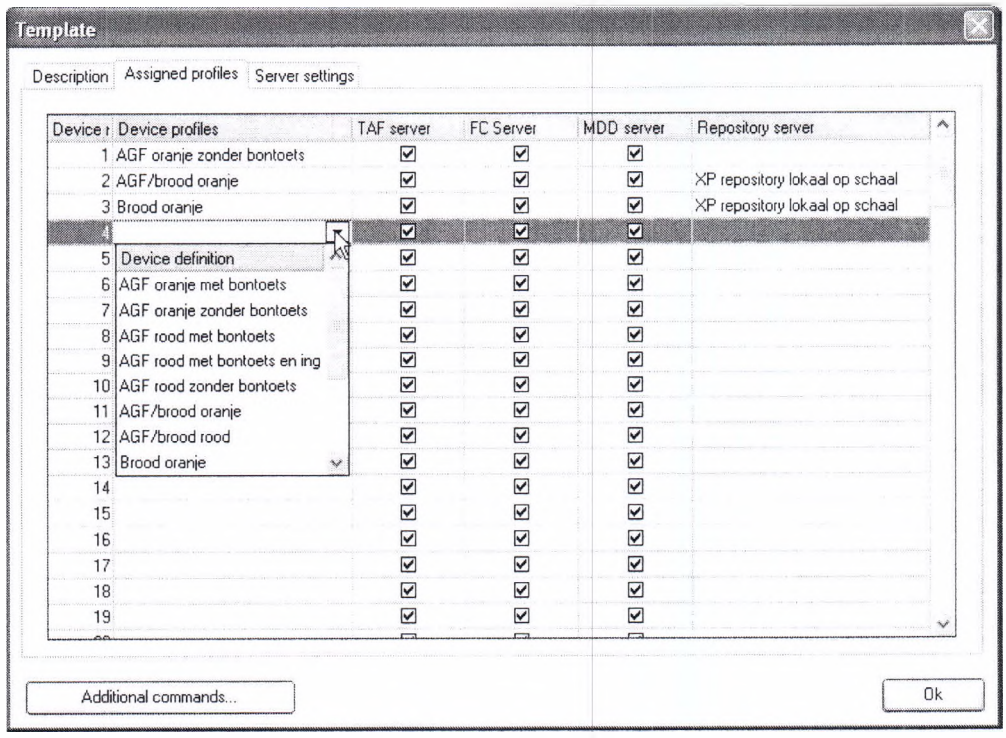
You will see 3 pages in this form. On the first page you can define your template name, on the second page you can define which scale uses which profile and on the last page there are several parameters that are valid for the complete network.

3. Enter a valid template name like "Customer store large" and select the "Assigned profiles page"



By default all the TAF servers, FC server and MDD server are enabled for all scales (the maximum number for this template is 128 scales). The device profiles and repository servers are blank which mean, no device profile is assigned.

4. Select for each scale which profile is used. For the repository server, please select the scales which could serve as repository server (for an example see below)

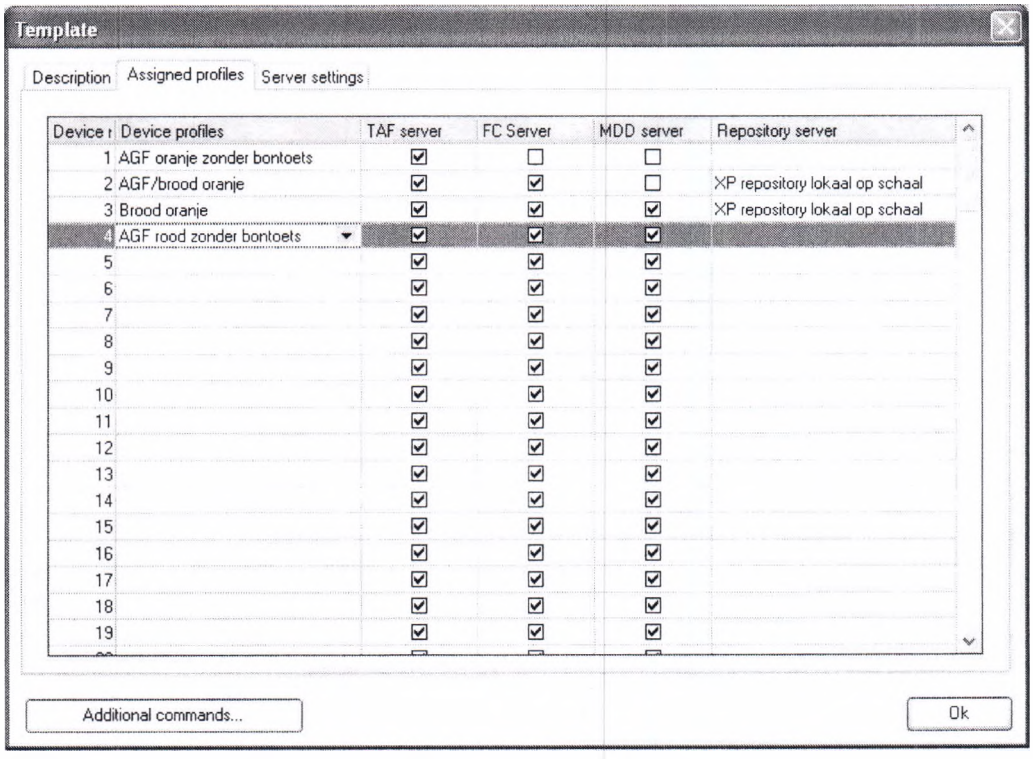


5. Also identify which scales could serve as TAf server. Normally you only can define one scale in the network as TAF server. This will be handled by the communication later on. You

just have to define which scale could serve this function (image that you have only select scale 2 to be TAF server and later on this scale is not available in the network, then you will end of that there is no TAF server in the network. If you assign this service to multiple scales, then this function will be addressed to another scale.)

6. Do the same for floating clerk server (FC server)

7. Do the same for the MDD server



In the above example there are 4 scale defined.

- scale 1 can be used as TAF server
- scale 2 can be used as TAF server, FC server and repository server
- scale 3 can be used as TAF server, FC server, MDD server and repository server
- scale 4 can be used as TAF server, FC server and MDD server.

During assigning the template to the scale network, the lowest scalenumber in the network will get the function !

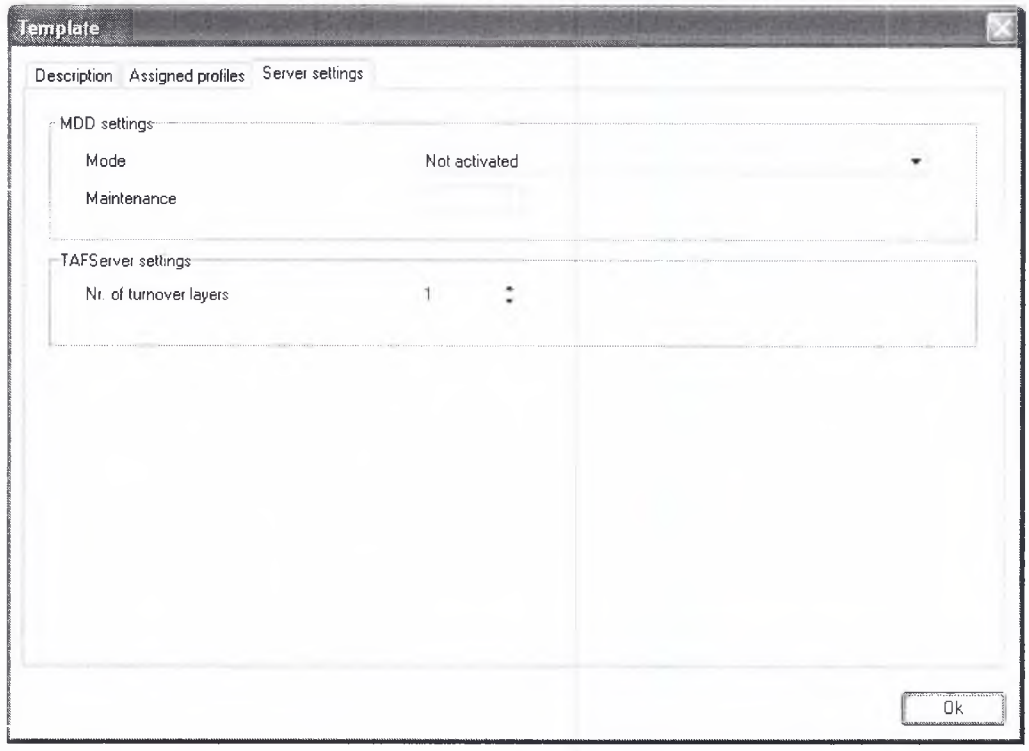
So, for example, if you have a network with scale 1, 2 and 3 then

- scale 1 will be the TAF server
- scale 2 will be the FC server and repository server
- scale 3 will be the MDD server
- scale 4 will serve no additional services.

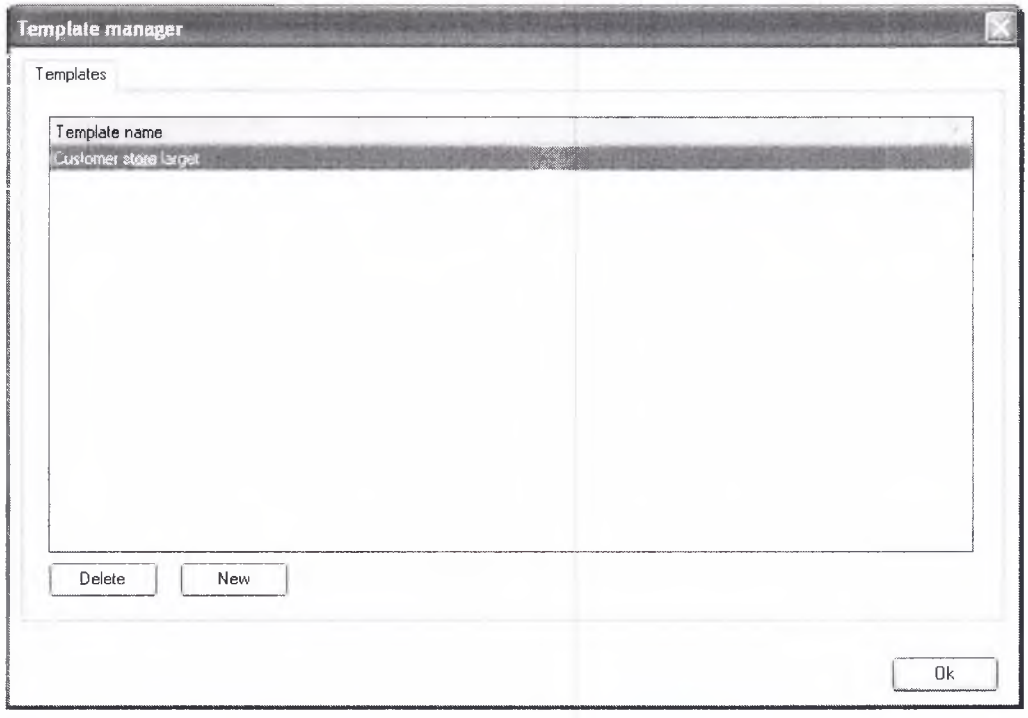
If you have a network with scale 2 and 3 then

- scale 2 will be the TAF server, FC server and repository server
- scale 3 will be the MDD server

8. Select the page "Server settings"



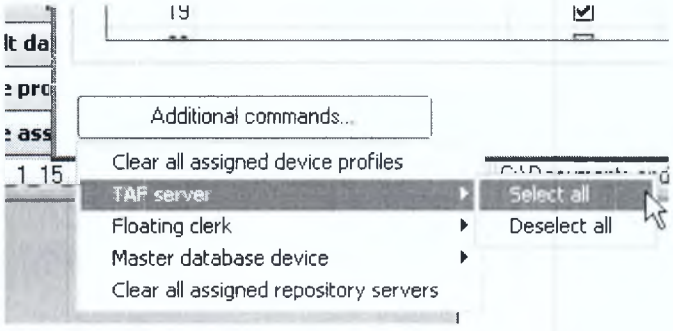
9. Enter the modes for the master database device, the number of days for the maintenance mode and the number of turnover layers. After pressing the Ok button, the template will be stored.



You can do this also for additional templates that you want to use.

5.9.2 Changing functions quickly

Using the additional commands button, it is easy to quickly change the functions. Press the additional button.



By selecting the select all and deselect all you can easy switch the functions for all the 128 scales which you can define in the template editor.

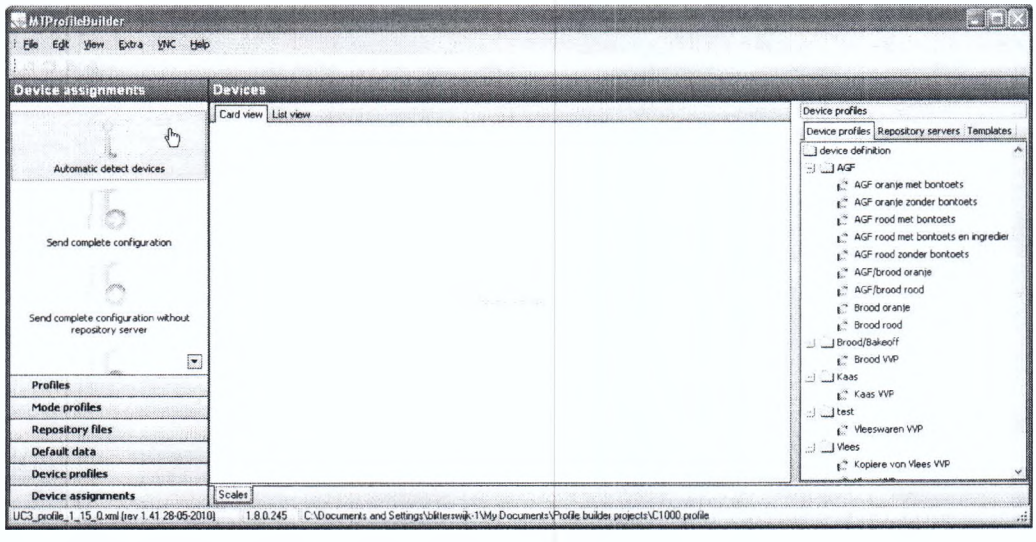
5.9.3 Activating a template

Executing a template on a network of scales can be done in the module "Device assignments". If you execute a template on a network then the application will

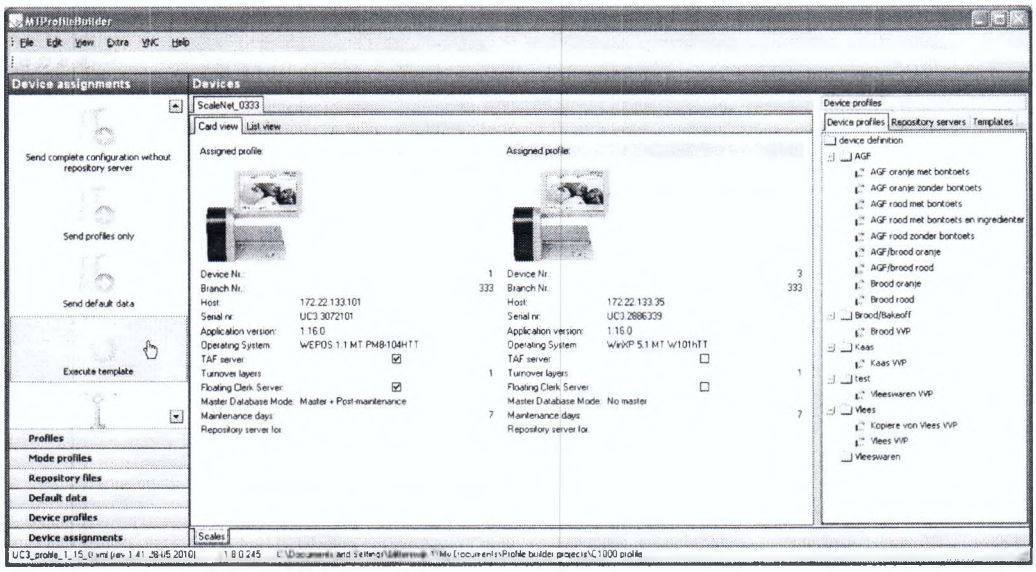
1. Determine which scales are in the network
2. Assign the device profiles to the devices
3. Calculate and assign the services (TAF, floating clerk, master database and repository server) to the network
4. Assign the default network values to the network

By doing the following steps you can execute a template on a set of scales

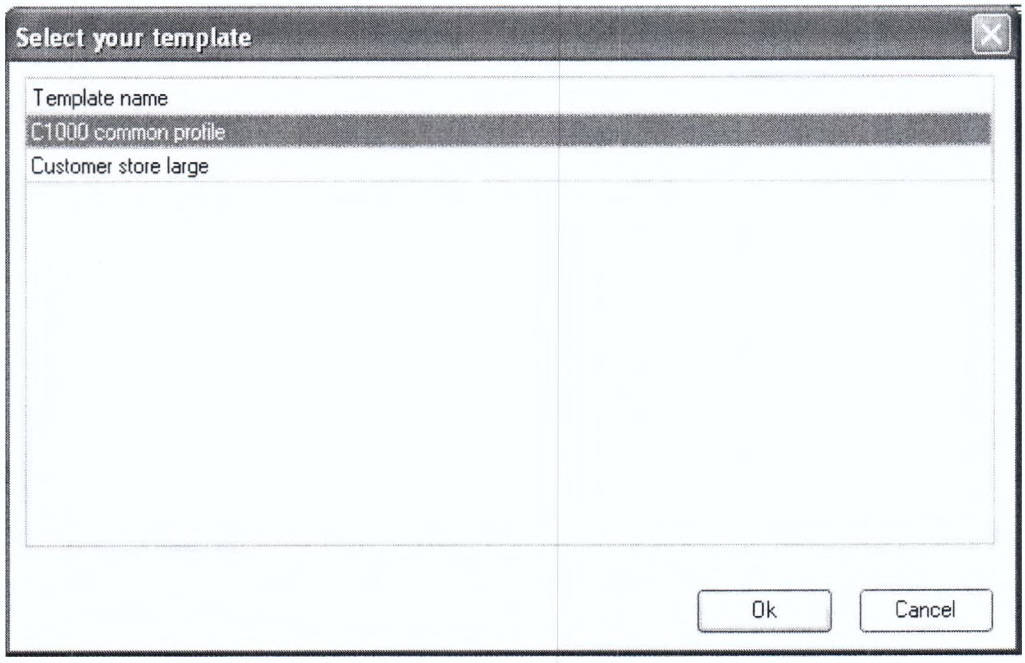
1. Select the module "Device assignments"



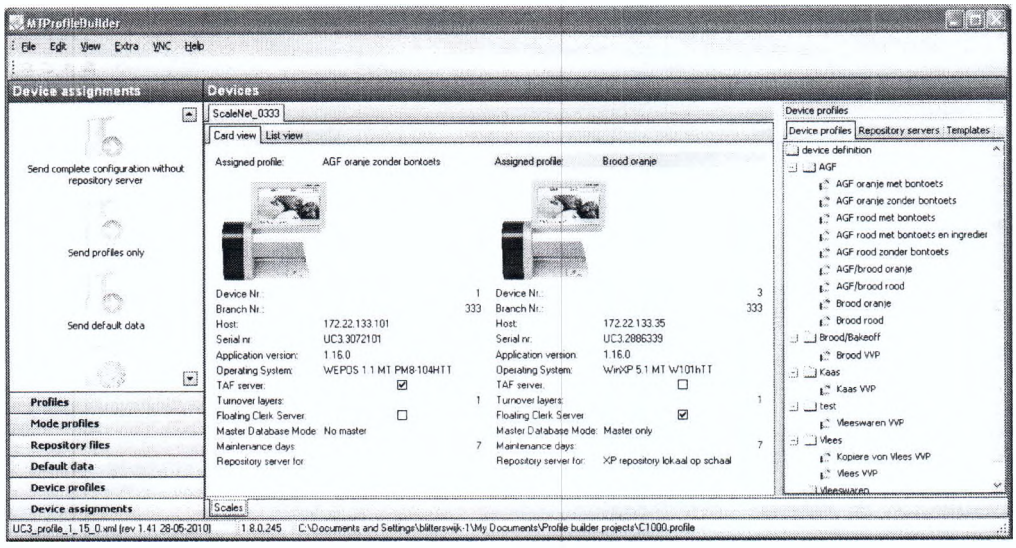
2. Detect the scales (manual or automatic)



3. Select the "Execute template" button. Using the template selector, select the template you would like to have

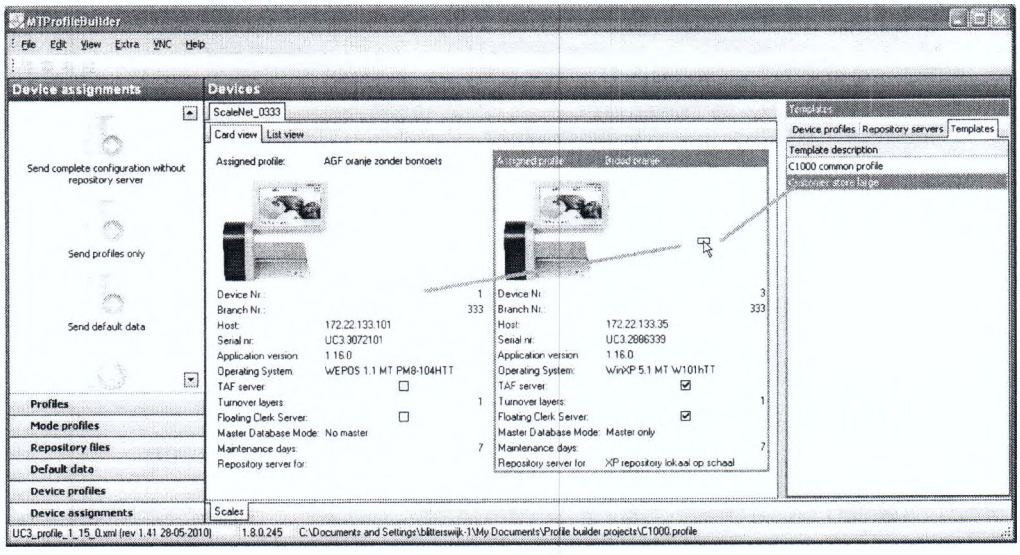


4. After selecting a template, you can press the button "Ok"



5. The scales will get their function in the same way as you have defined it in your template.

Eventually you can also execute a template by dragging the template from the templates list directly on one of the scales.

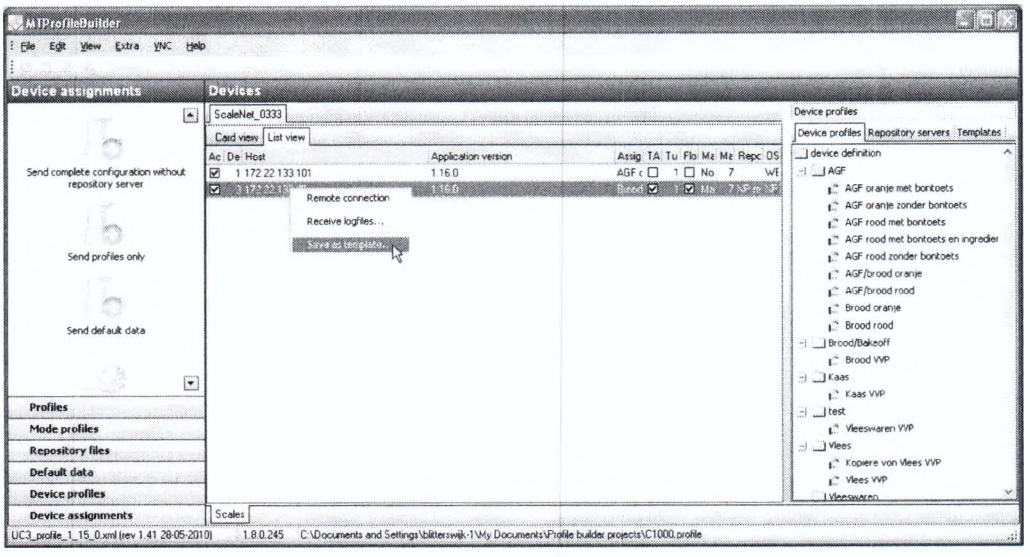


After dropping, the configurations for the scale will change based on the template configuration.

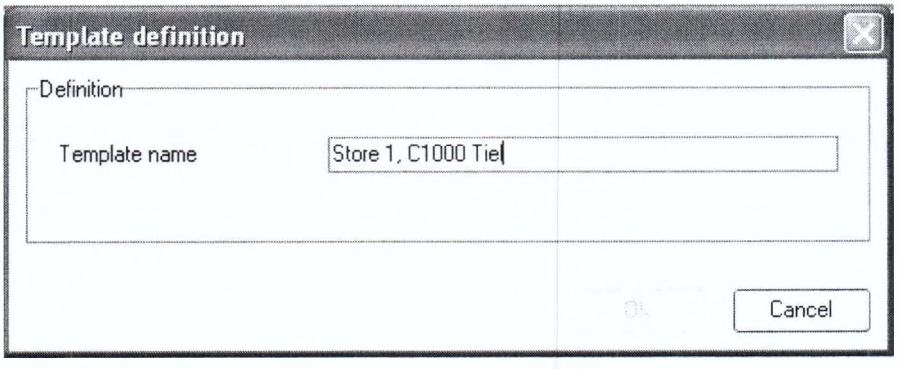
5.9.4 Create a template on the fly

It is possible to create a template directly from the device assignments module. You first need to do the steps as defined in chapter 5.2. If you have defined the network exact as you want it, you can create a template from this setup by doing the following steps.

1. Press the right mouse button and select "Save as template"



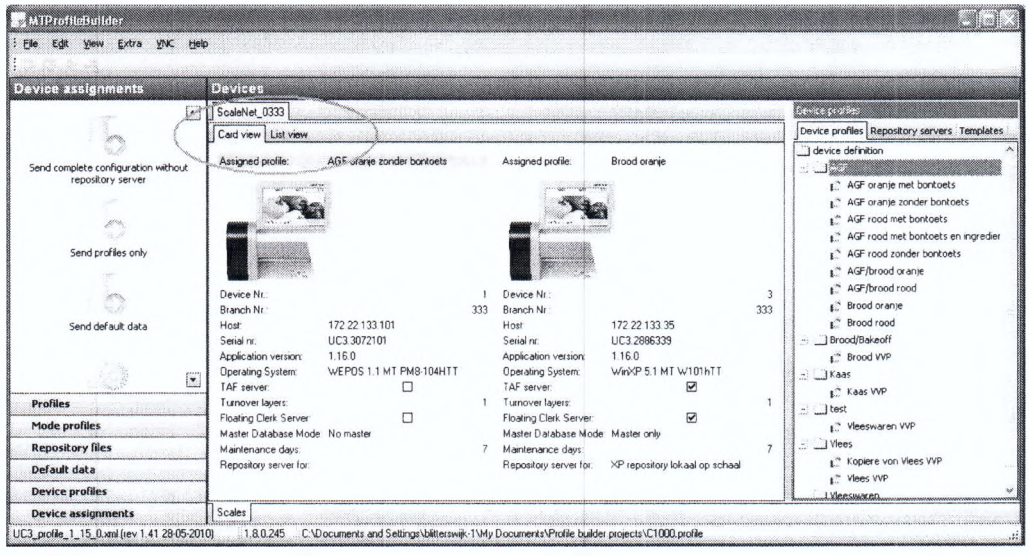
2. Define a template name



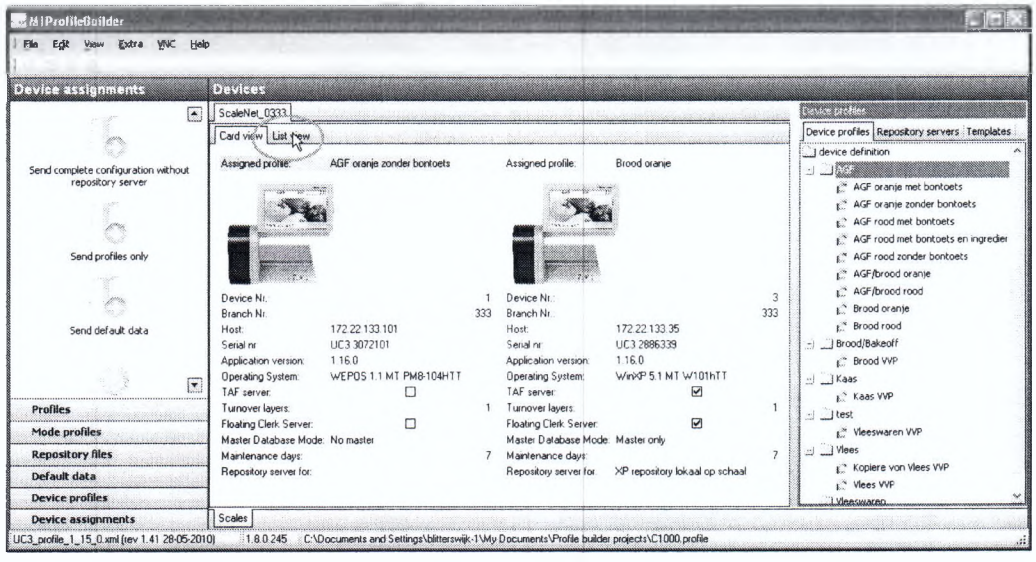
Press the Ok button and your setup is saved as template.

5.10 Switch between card view and list view

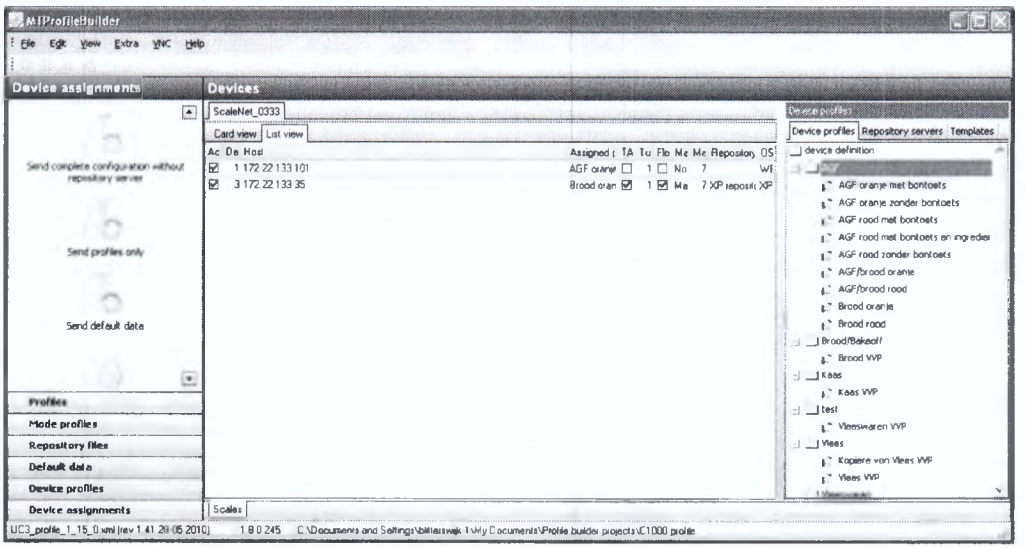
You can switch the list between cardview and listview in the device assignments module by using the tab-sheet's (see the red circle below).



1. Press the listview (see red circle below)



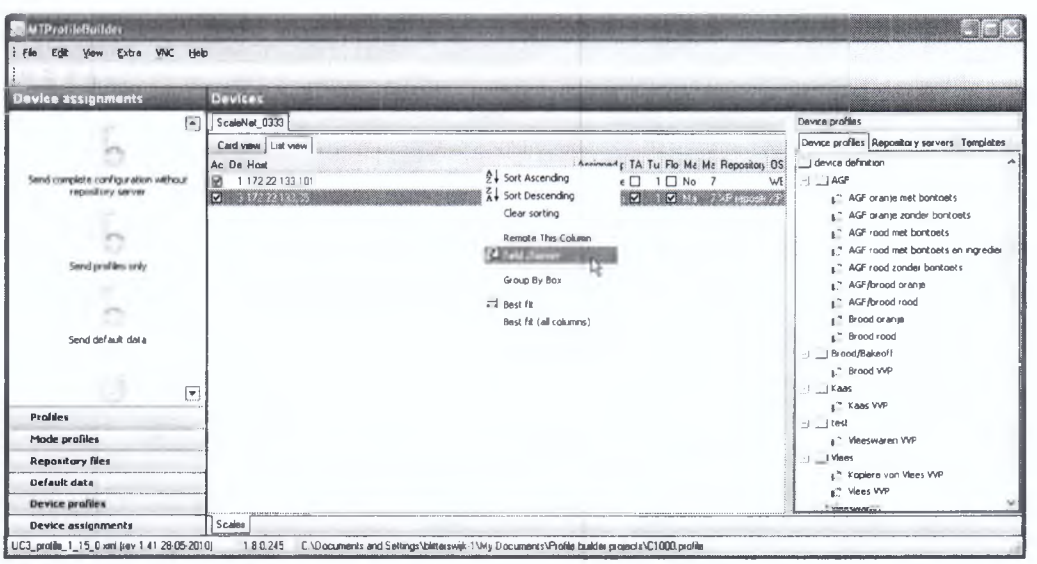
You will see all scales now in list view



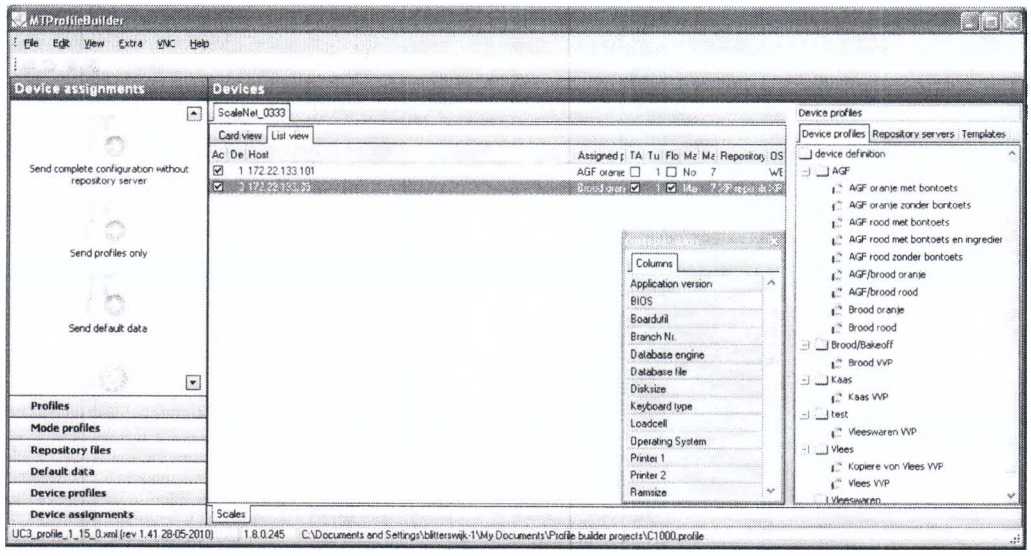
2. By pressing the Card view (next to the list view) you will return to card view.

5.10.1 Organize the items views in listview.

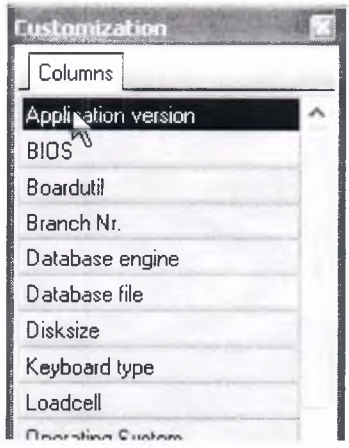
You can select the fields you want to display in the listview. Press the right mouse button on one of the columns and select "Field chooser" from the context popup.



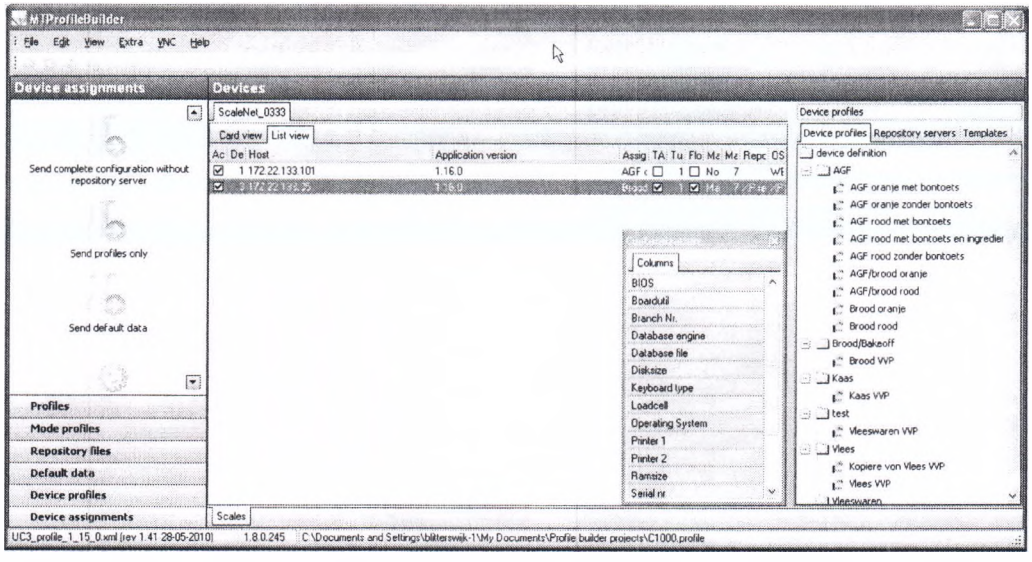
1. The field chooser will be available.



2. Select the column you want to add to the list



3. Drag and drop it on the list view header on the position where you want to have it.

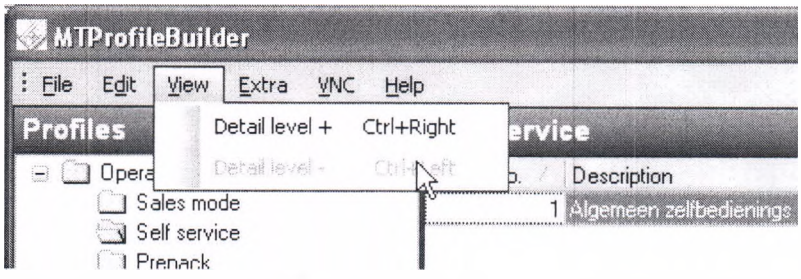


Your view will be saved and will be your default. The next time you start your application you will always see the same columns.

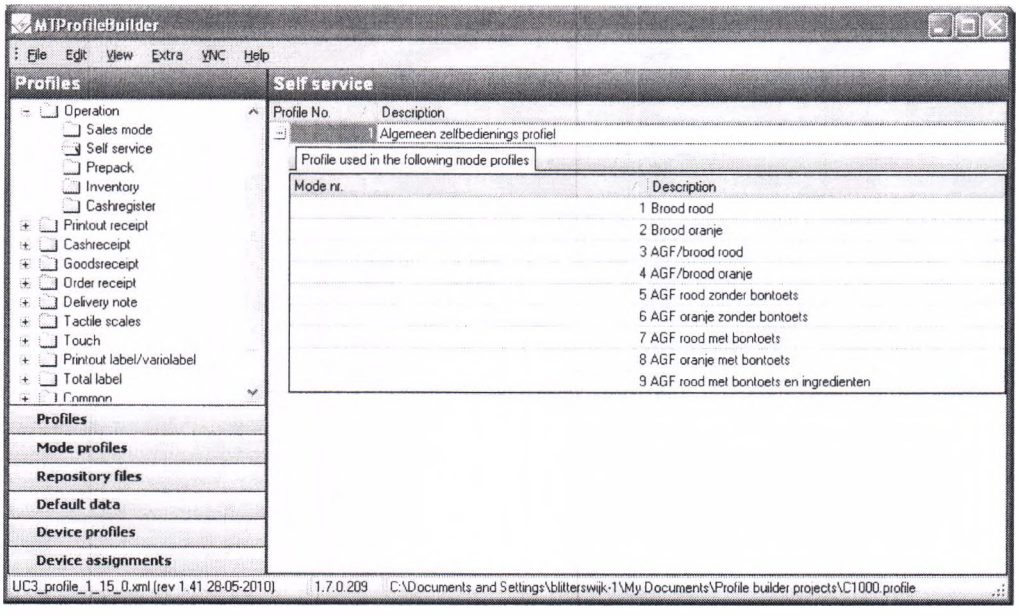
5.11 View dependencies

From time to time it should be possible to see the dependencies of the difference profiles. If you for example are editing a profile, it is very helpfull to see which mode profiles are using the profiles. When changing mode profiles, it is very helpful to see which device definitions are using the mode profiles.

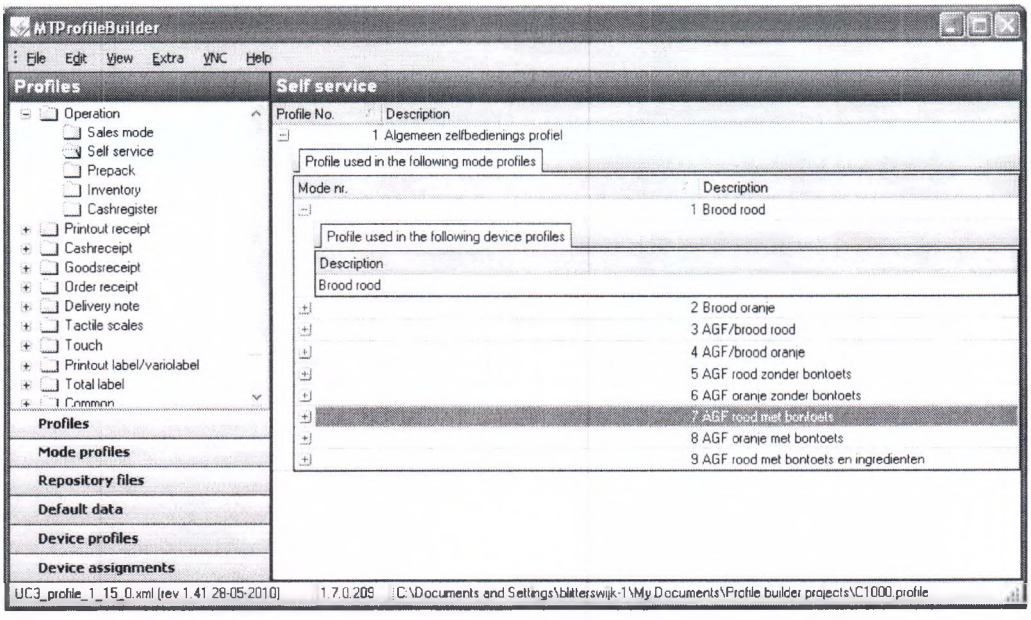
Both modules "profiles" and "mode profiles" have the possibility to show what there are using. In the menu "View" you have the possibility to show the dependencies. The module "profiles" has 2 levels, the module "mode profiles" has 1 level.



1. Using the menu View → Detail Level + you can increase the view level. Do this 1 time in the module "Profiles"



In the above example you will see that profile 1 in operation → self-service is used in 9 different mode profiles. By enabling the next level of detail you can even see in which device profile the mode profile is used.



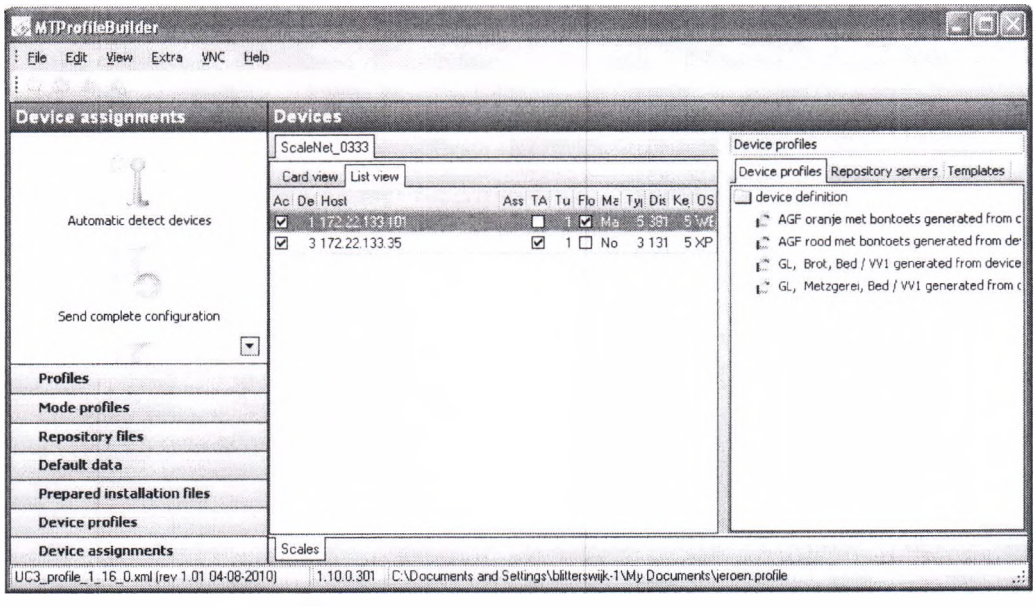
In the above example, profile no 1 (operation → self-service) is used in mode profile 1 (self-service "brood rood"). The mod profile 1 is used in device profile "Brood rood".

5.12 By using this way of viewing data, you can directly see were your profiles are used.

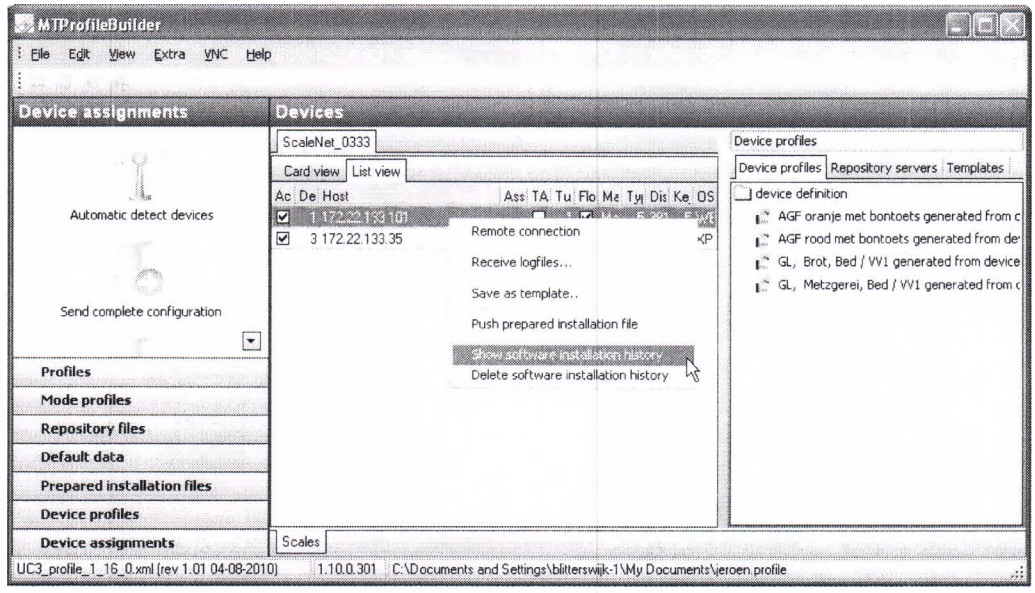
Display installation history for the repository server

MTProfileBuilder starting from version 1.10 has the possibility to display the installation history of all deployed software packages. The application will request this information from the scale by doing the following steps.

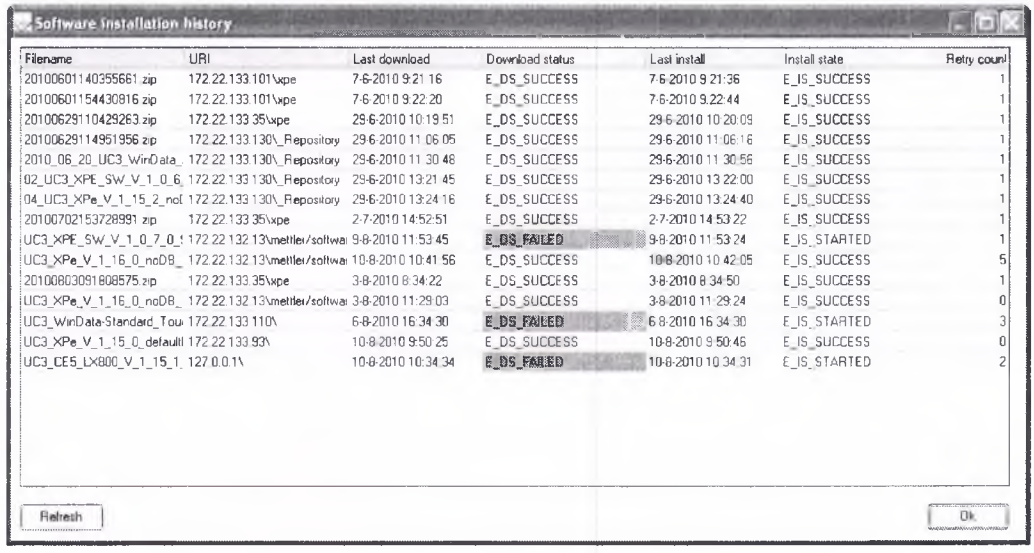
1. Switch to the Device Assignments page



2. Select a scale and press the right mouse button in order to display the context popup.



3. Select "Show software installation history"



4. After a short communication, the information as available on the scale will be displayed.

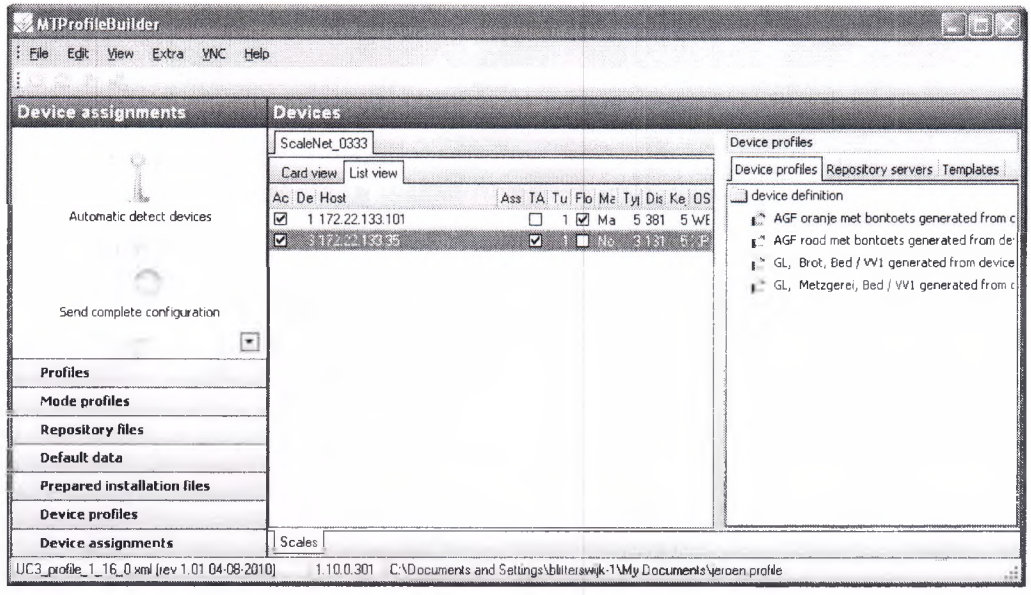
The colors in grid directly tell you when you where the problems are.

5.13 Clearing the installation history

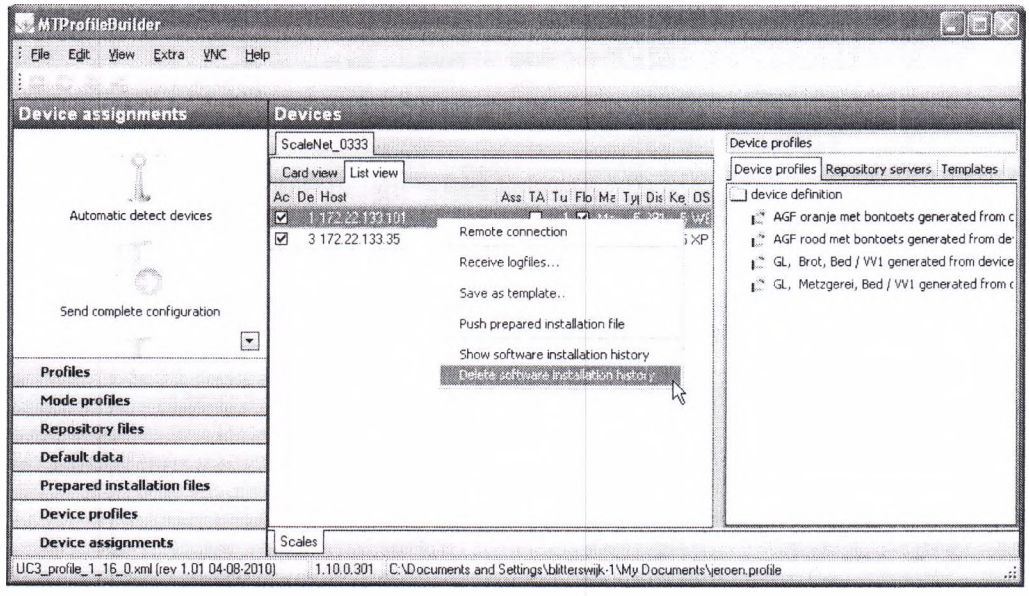
In case you have moved your scale to an other location you maybe want to clear the history in order to force the scale to download all the packages. Normally the scale will only download the file once. So software packages with the same filename (as already recorded in the history) are rejected and will not install. By clearing the history, the scale will install all available packages on the repository server.

You can clear the history by executing the following steps

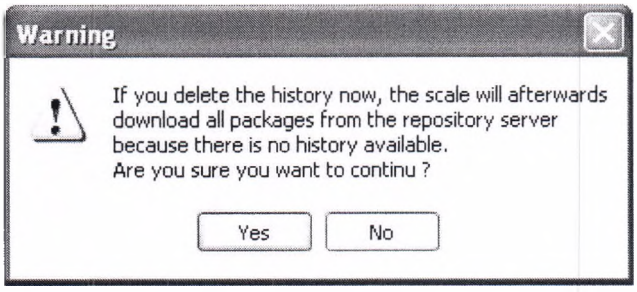
1. Switch to the device assignments page



2. Press the right mouse button in order to display the context popup



3. Select "Delete software installation history"



4. A confirmation popup will ask if you are sure. After pressing "Yes" the history will be cleared from the scale

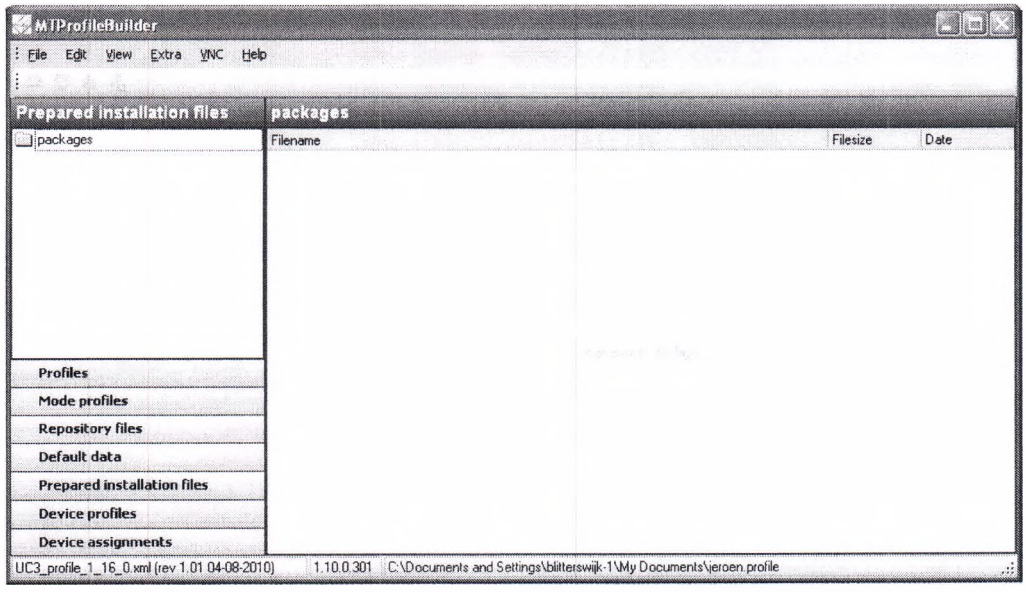
5.14 Use prepared installation files

Prepared installation files are files that are distributed by Mettler Toledo in order make the installation of applications and data easier. The files with extension ZIP do contain special installation information in order to automate the software disitribution. These files can be added to your project. Later on they can be deployed to your scales.

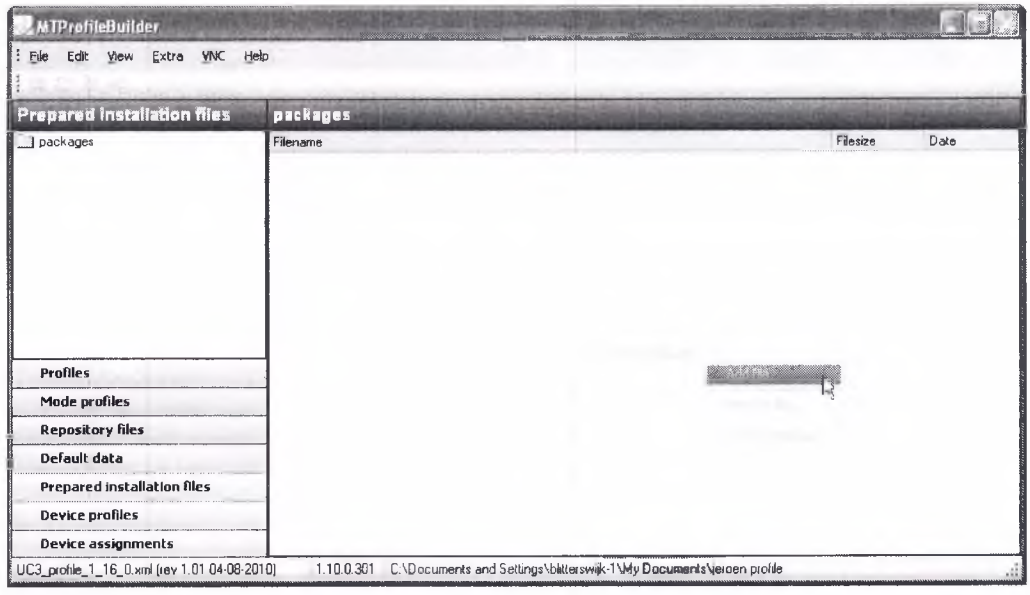
5.14.1 Add files to your project

Do the following steps in order to add prepared installation files to your project.

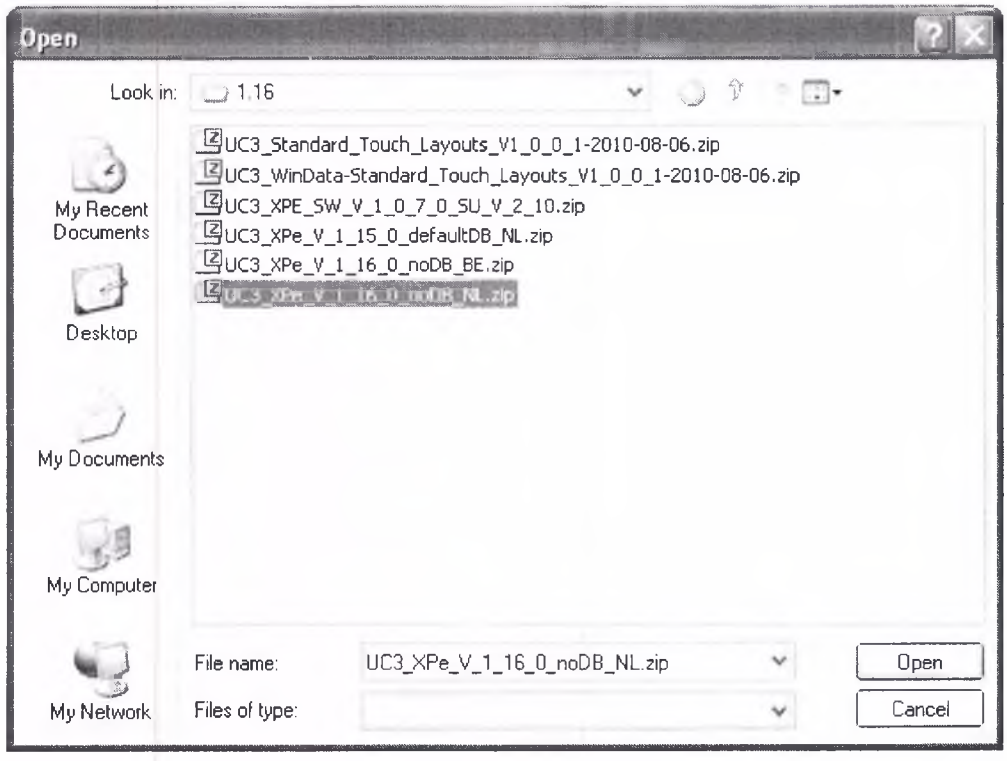
1. Switch to the module "Prepared installation files"



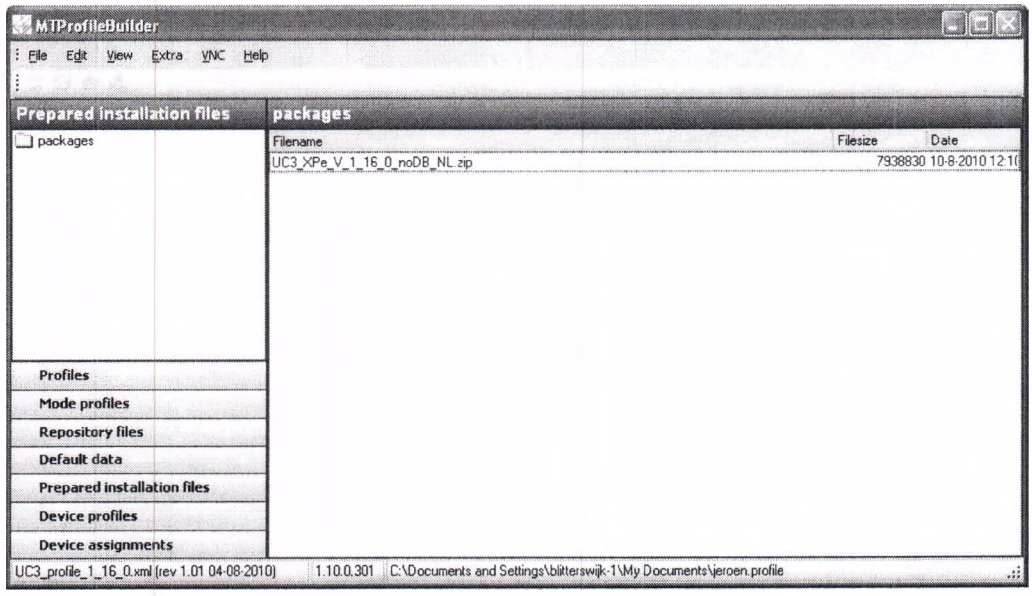
2. Press the right mouse button the section where "<No data to display>" is displayed in order to display the context popup



3. Select "Add file"



4. Select the zip file that you need and press "open", the file will be added to your project.

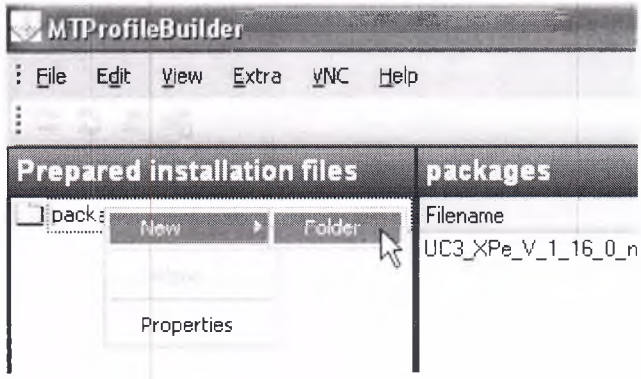


5. You can do these steps for additional zip-files

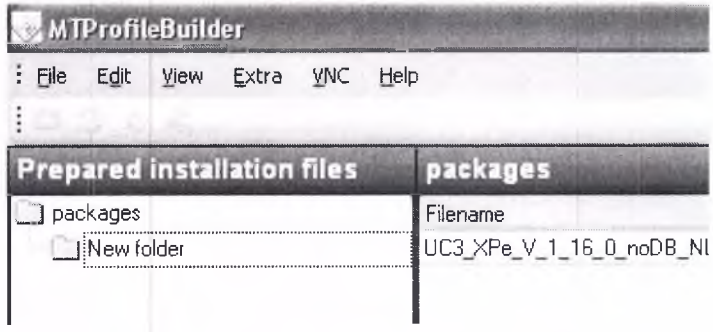
5.14.2 Organize prepared installation files

It is possible to create several folders in order organize your installation files. Do the following steps

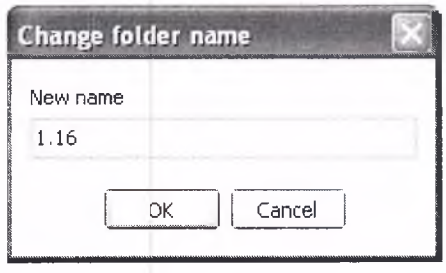
1. Select the packages tree and press the right mouse button



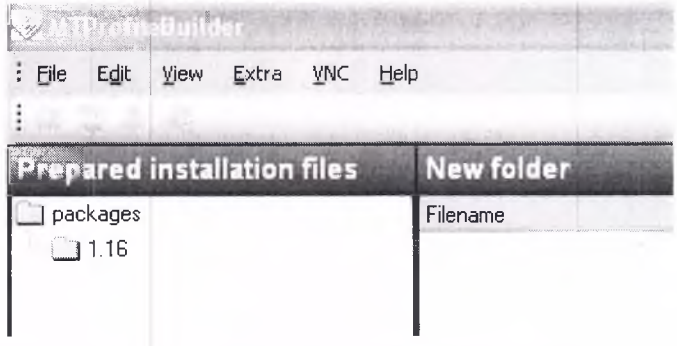
2. A new folder will be displayed



3. Double click on the new folder in order to change the name for example to 1.16



The name is changed.

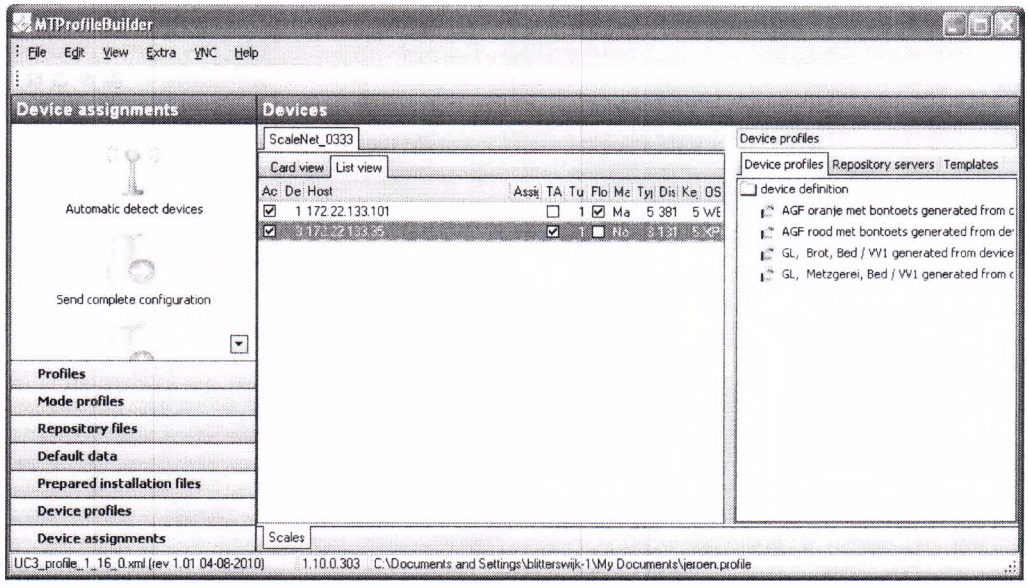


You can create as many folders as you would like to use.

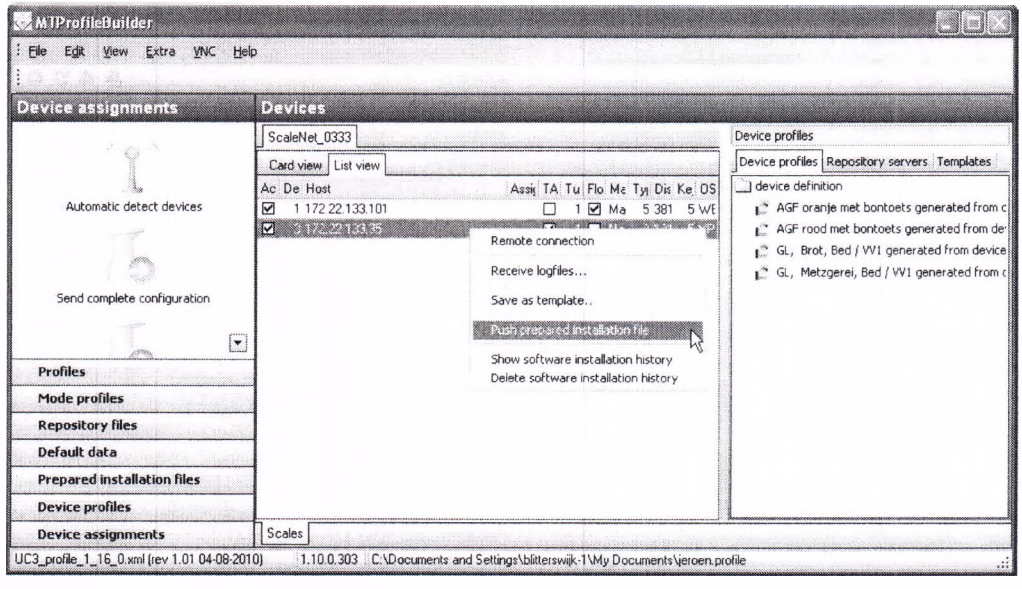
5.14.3 Deploy packages to the scale

All the prepared installation files that you have added to your project can be deployed to your scale. **Keep in mind that version 1.10 does not support deployment to repository server, but only deployment directly to the device**. Do the following steps in order to deploy.

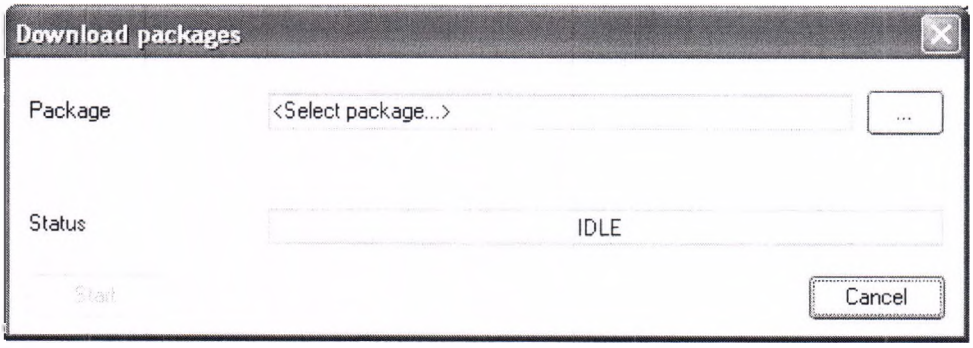
1. Switch to the device assignments module



2. Select a scale from the list and press the right mouse button

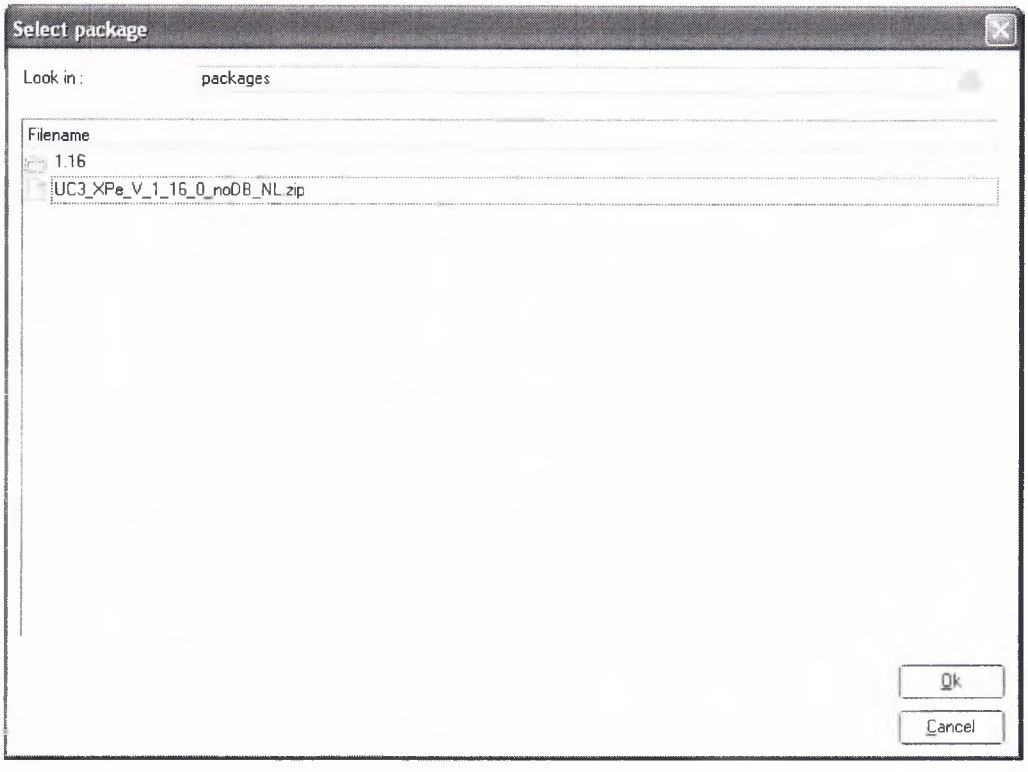


3. Select "Push prepared installation file"

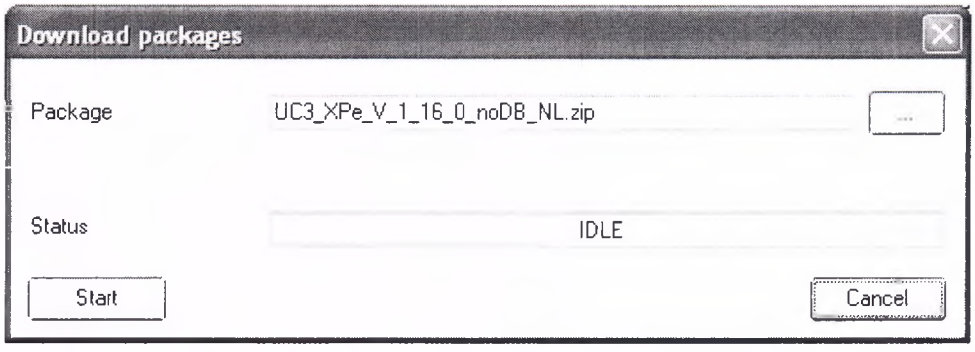


In this screen you will see the actual connection to the scale (status) which tells you the current state for the deployment utility on the scale (update.exe)

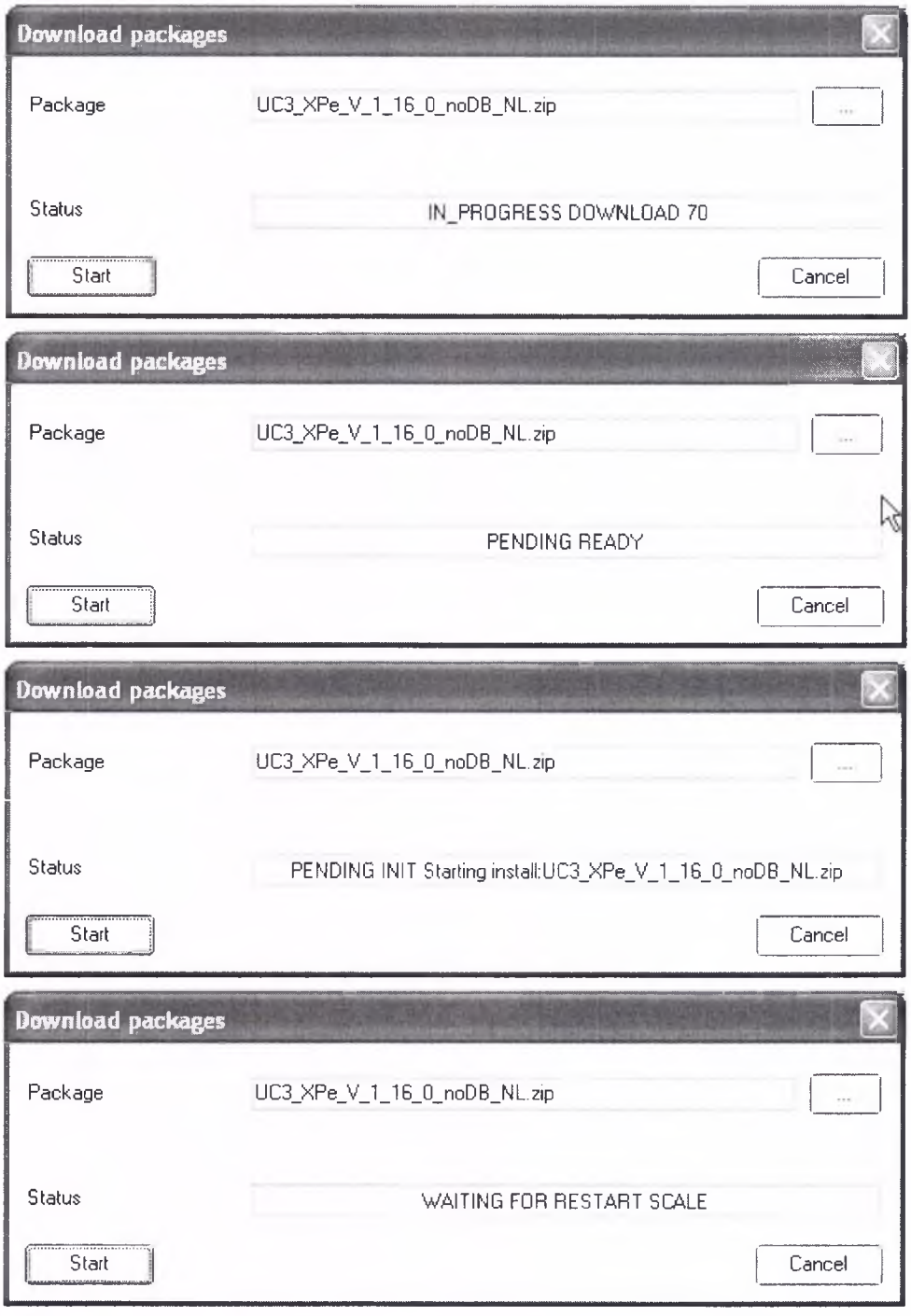
4. Press the button ... in order to select the package you want to deploy to the scale



The selected file will be displayed in the screen.



5. Press the start button in order to start the software deployment to this scale. You will see the state changing. You can see one of the following screens



6. Finally you will get "WAITING FOR RESTART SCALE". This means that the deployment is done without errors and that the scale restarts in order to make the changes available.

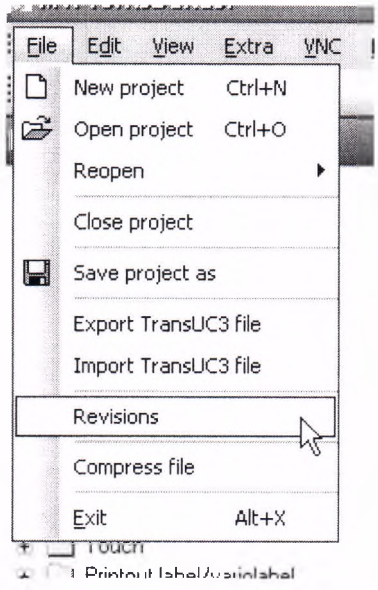
5.15 Work with revisions

In order to store historical information about the profile project, it is possible to take from time to time a snapshot of the complete project and to save this as a revision. By using this revisioning you can create an overview of all released projects in the past.

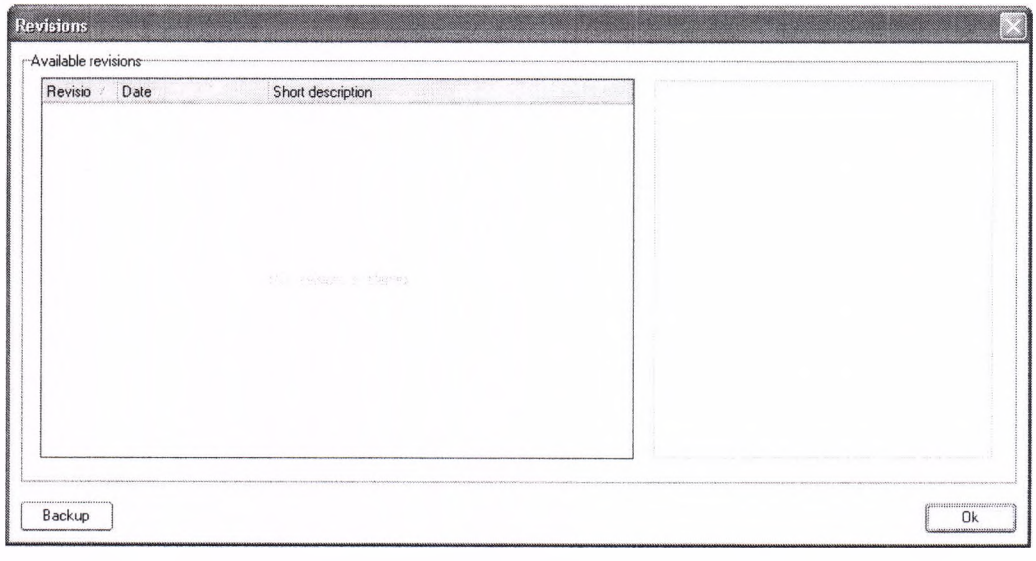
5.15.1 Create a revision

You can create a revision anytime when you want. In order to create a revision execute the following steps.

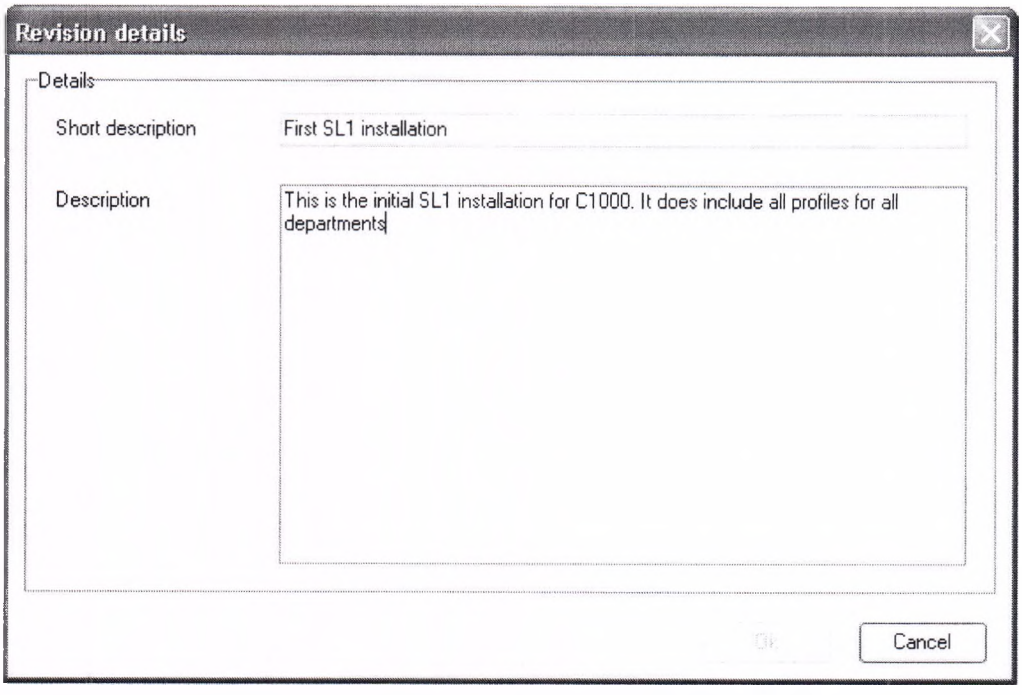
1. Select menuitem "revisions" from the menu File



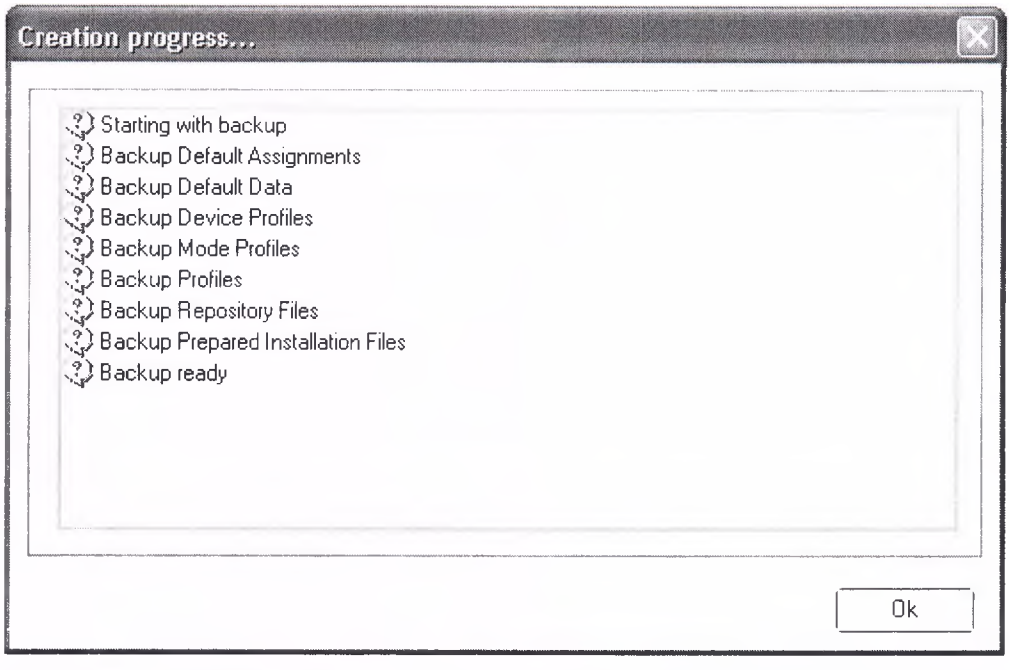
2. The revision window will popup



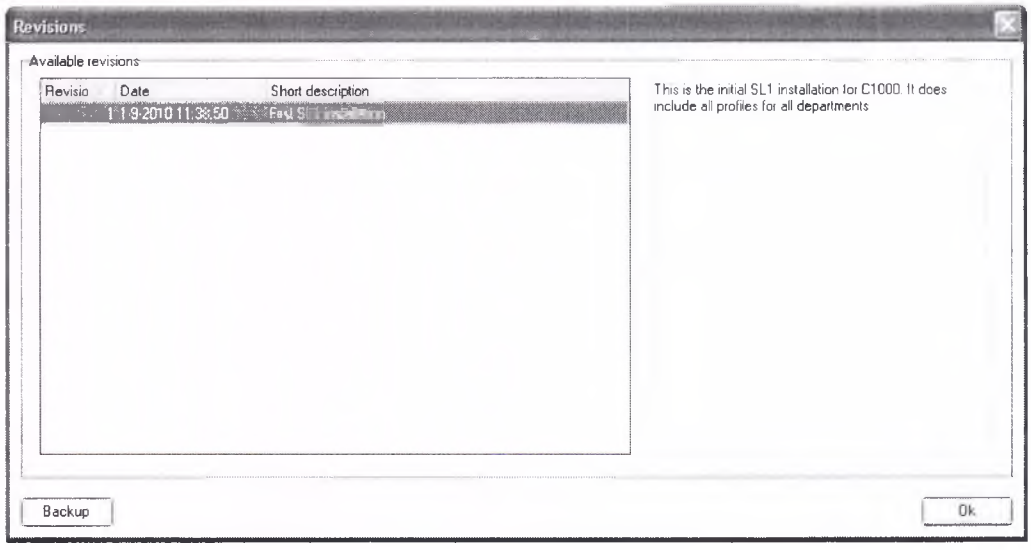
3. If you press the button "Backup" a details form will popup



4. Enter all information in this field. In the description field you can type as many text as you would like in order to identify the revision. After pressing the Ok button, the revision will be created.

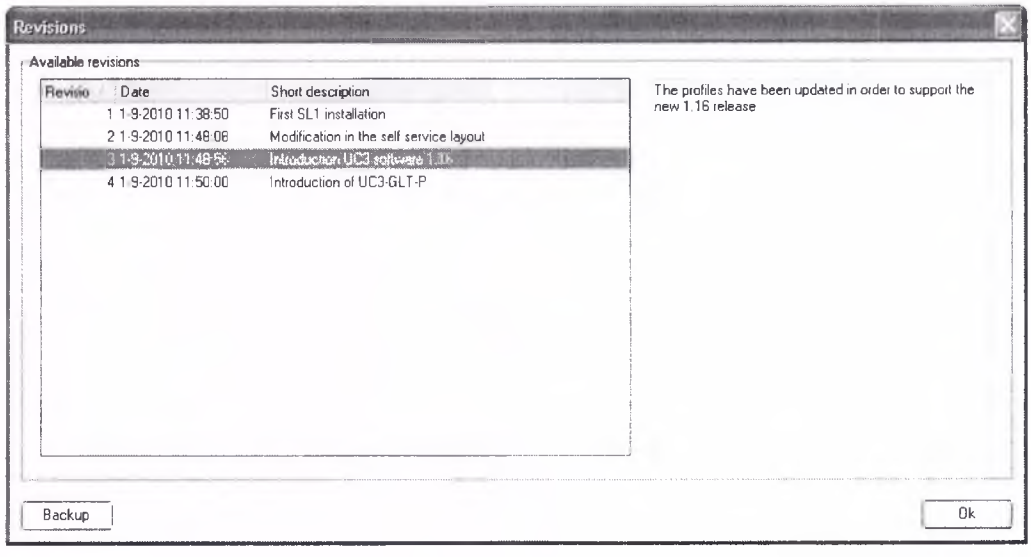


Depending on the size of you project it can take longer in order to create the revision. As soon as the Ok button is enabled the revision process is ready and you can close the windows by pressing the Ok button. You will see the new revision in the list.



5. By pressing the Ok button you can close this window.

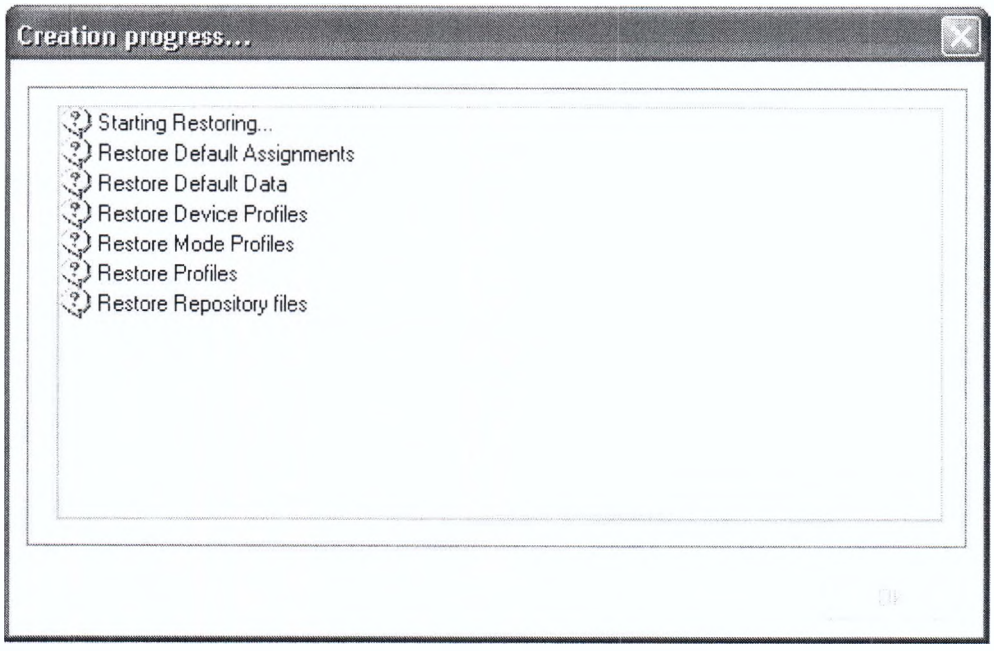
After every release to the customer of your profile project you should create a revision in order to maintain an overview of the project. After a while, your revision overview can look like the overview below.



5.15.2 Restore a revision

In case of problems or if you made mistakes, you can always return to a previously saved revision.

Note that if you restore a revision all data in your project will be replaced with the information from the revision. So additional files you have added, or additional profiles you have created that did not exist in the revision are lost

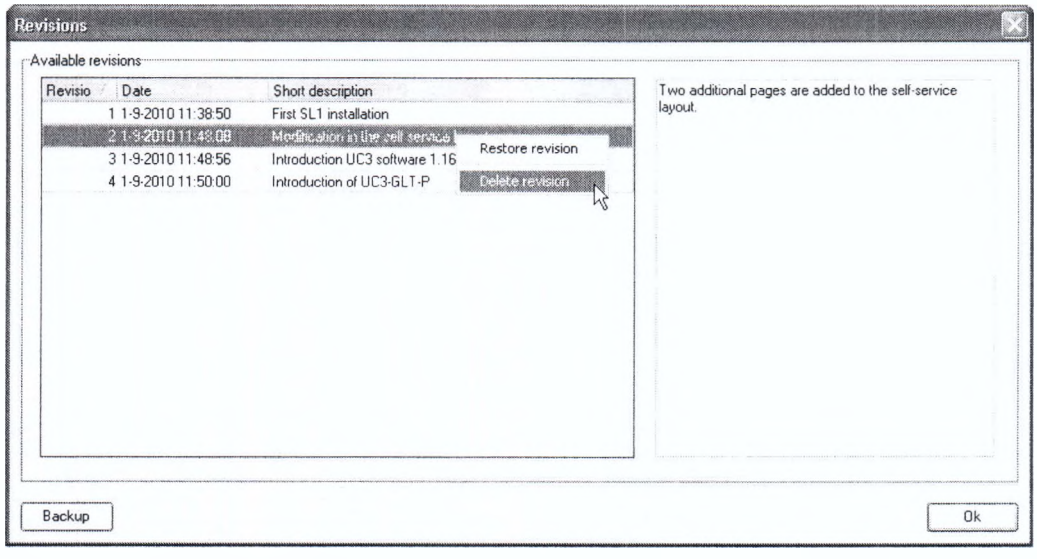


5. If the Ok button is enabled then the restore process is finished.

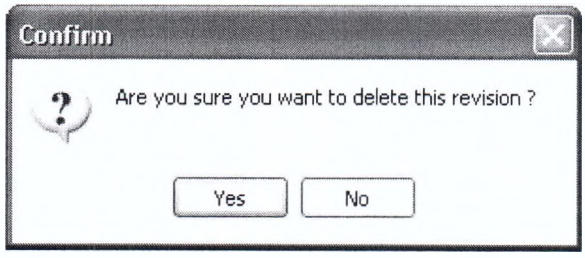
5.15.3 Delete a revision

In order to make the project file smaller, you can delete a revision that you do not use anymore. This will make your project file smaller which makes it easier to transport it to technicians.

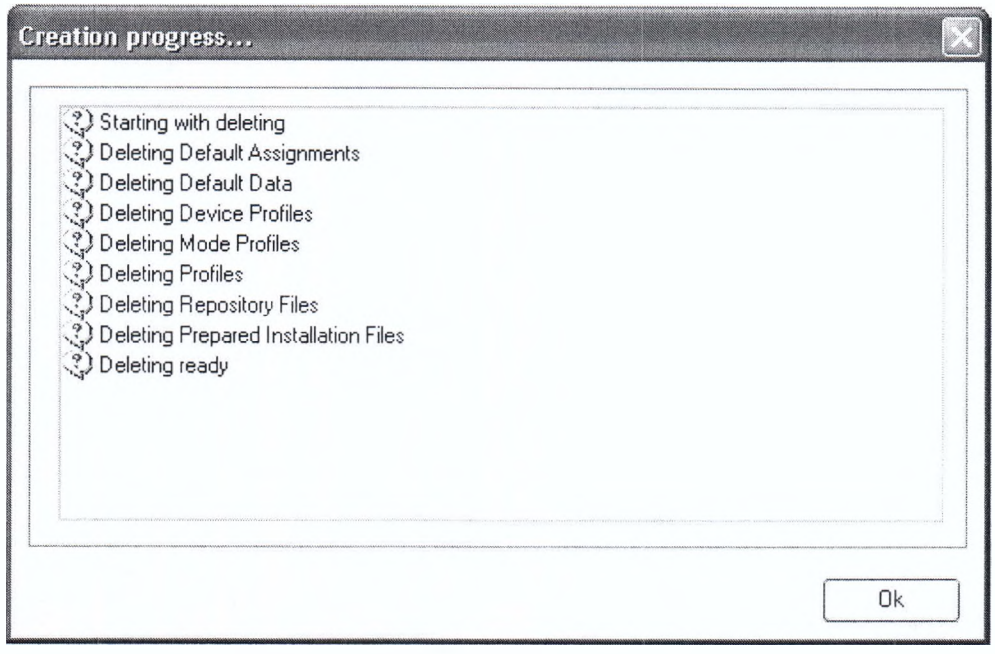
1. In order to delete a revision, start with the same steps as for restoring but select "Delete revision" from the context popup



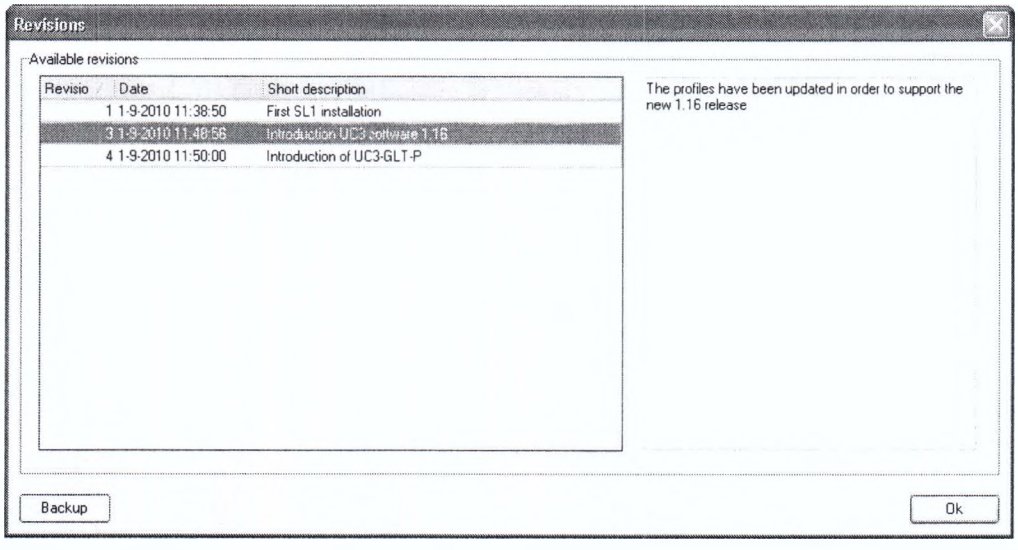
2. A confirmation box will popup



3. After pressing "Yes" the revision will be deleted from the project file

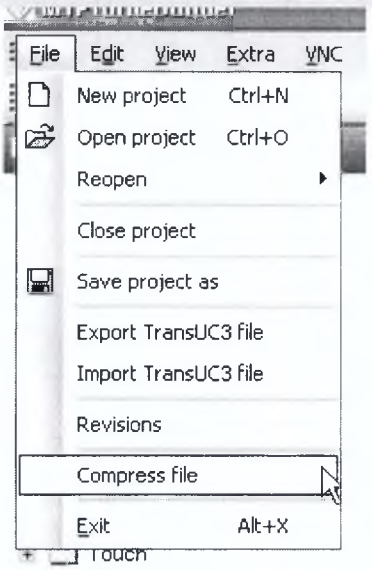


4. Press Ok in order to close this window.



5. The revision is not available anymore in the overview. You can always see if you have deleted a revision because the revision number will not be reused anymore (so, there is a gap in this example between 1 and 3 (we have deleted revision 2)).

Don't forget to execute the "Compress file" function from the file-menu in order to compress the file and to delete all unnecessary records from the project. If you don't execute this step, your project file is not smaller after deleting a revision.



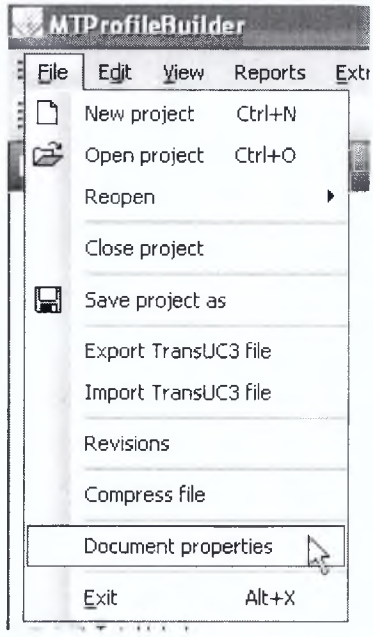
5.16 Setup document properties for the reports

Starting from release 1.13 it is possible to print reports. Release 1.13 is the first version that uses the printing report engine. The reports can be exported to PDF and RTF format in order to distribute the document.

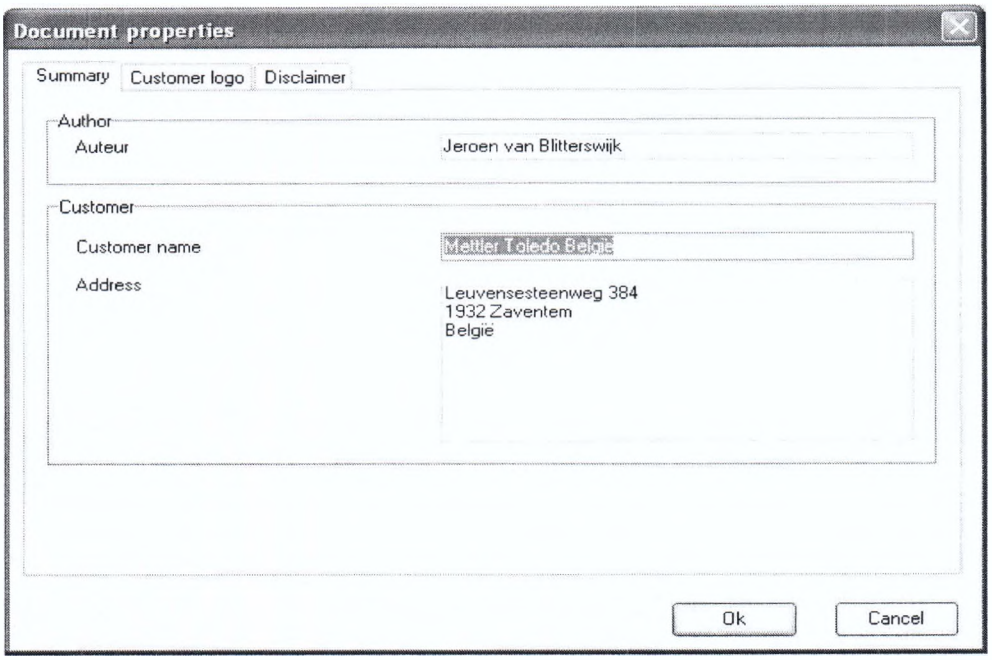
5.16.1 Setup the customer name and logo

Using document properties you can setup the customer name and logo in order to print it on the report. Do the following steps

1. Select "Document properties" from the File menu



2. The document properties form will popup

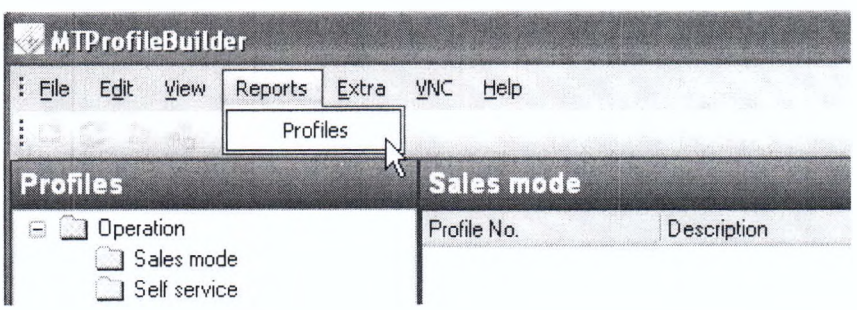


3. Using the different sheets you can setup the customer name, logo and disclaimer.

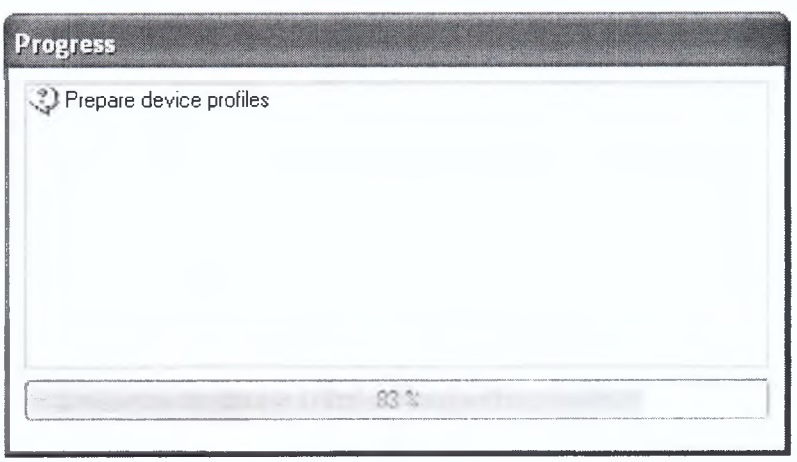
Press the ok-button in order to store the data in your project file

5.16.2 Print a report

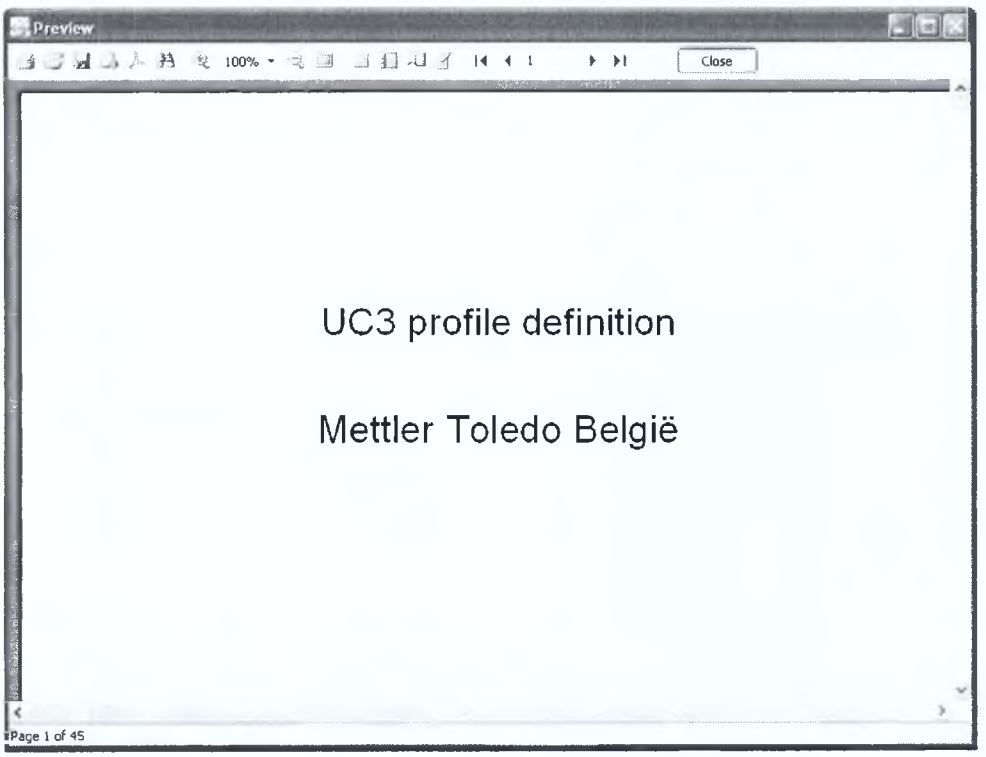
Using the report menu you can print a profile report.



1. The data will be prepared in a form that the report generator can use

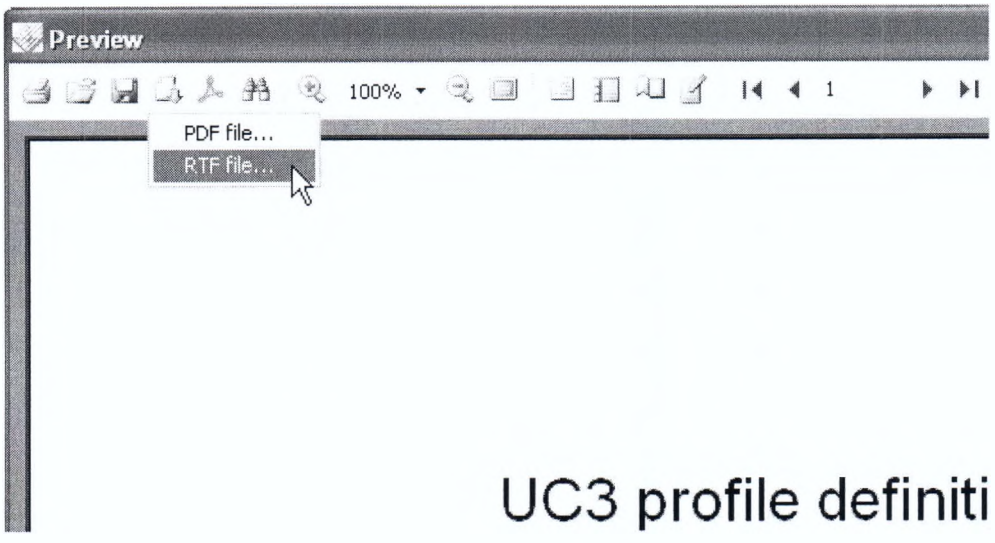


2. The report viewer will show up



5.16.3 Exporting a report

From the report viewer, you can export the report to PDF or RTF format.



5.17 Customer.ini

Starting from MTProfileBuilder release 1.14 it is possible to maintain the customer.ini file. This file does contain settings that might be of interest for you that are not stored somewhere in the profiles. The settings in the profile can also be profiled. Before version 1.14 it was possible to handle the customer.ini file by including the customer.ini file that you had created into the repository root. The customer.ini would then be transferred to the scale using the normal repository actions.

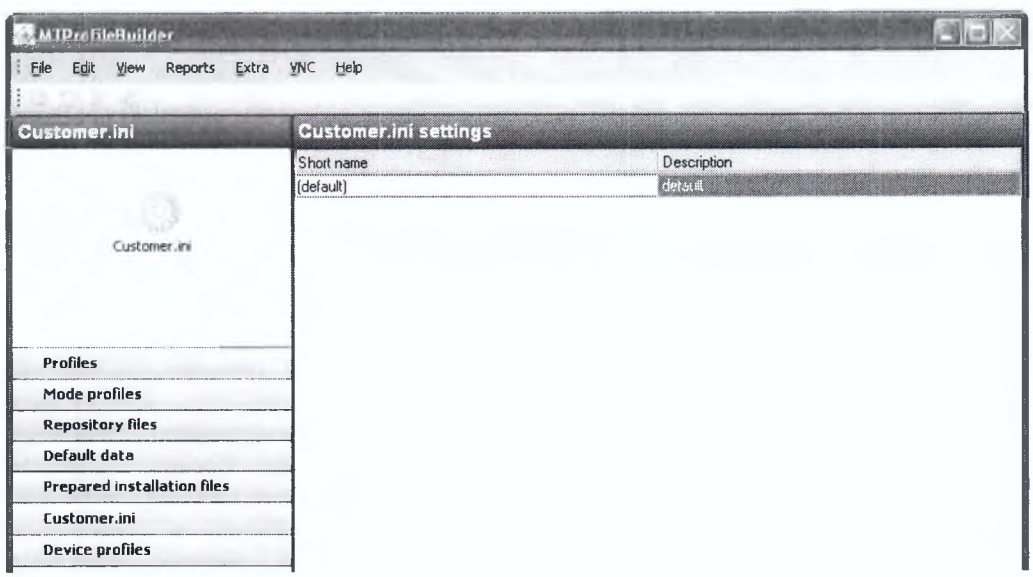
> All customer.ini entries implemented in release 1.14 are listed in the MTA document PI2510_EN_UC3_Cust_ini_V_1_31.pdf

5.17.1 Creating customer.ini file

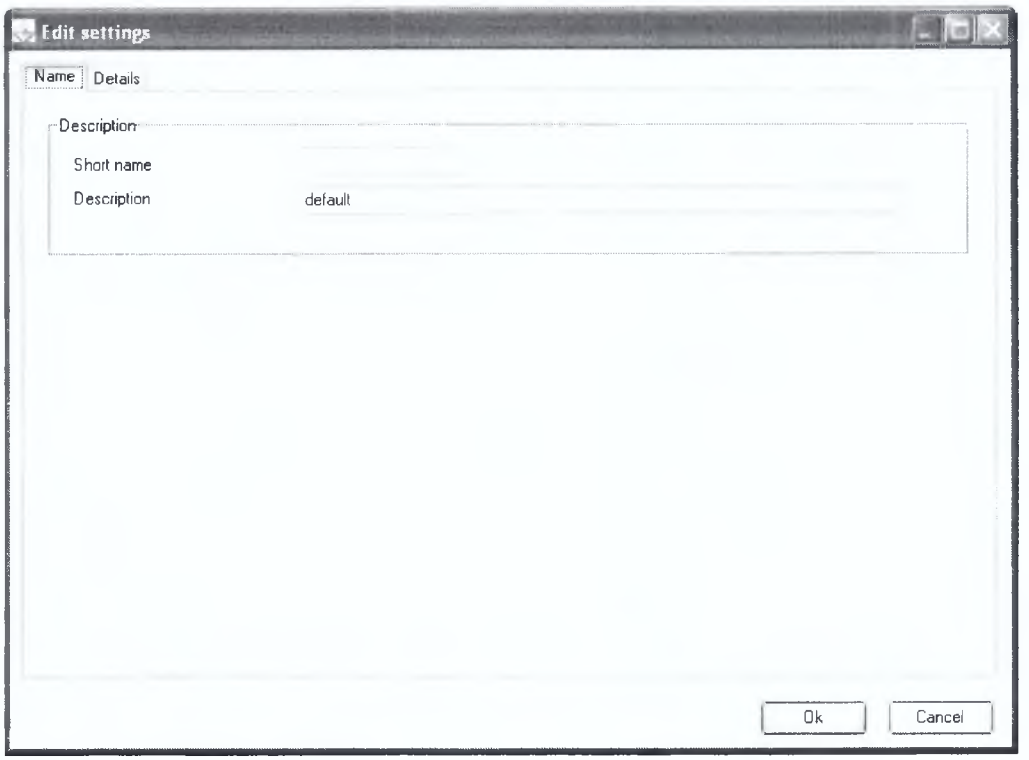
By default the settings stored in your customer.ini section of your project are empty. This does not mean that no customer.ini is transmitted, but it does mean that the customer.ini file is created with default values ! If you want to change a value then you have add that customer.ini entry to your project. During the creation of the customer.ini file, your user specific entry will be added to your repository data that is transferred to the repository server.

If you want to set for example the value "no_label_layout.xml" to the setting "sNoLabelTemplateName" in the cashregister section in the default settings then you need to do the following steps

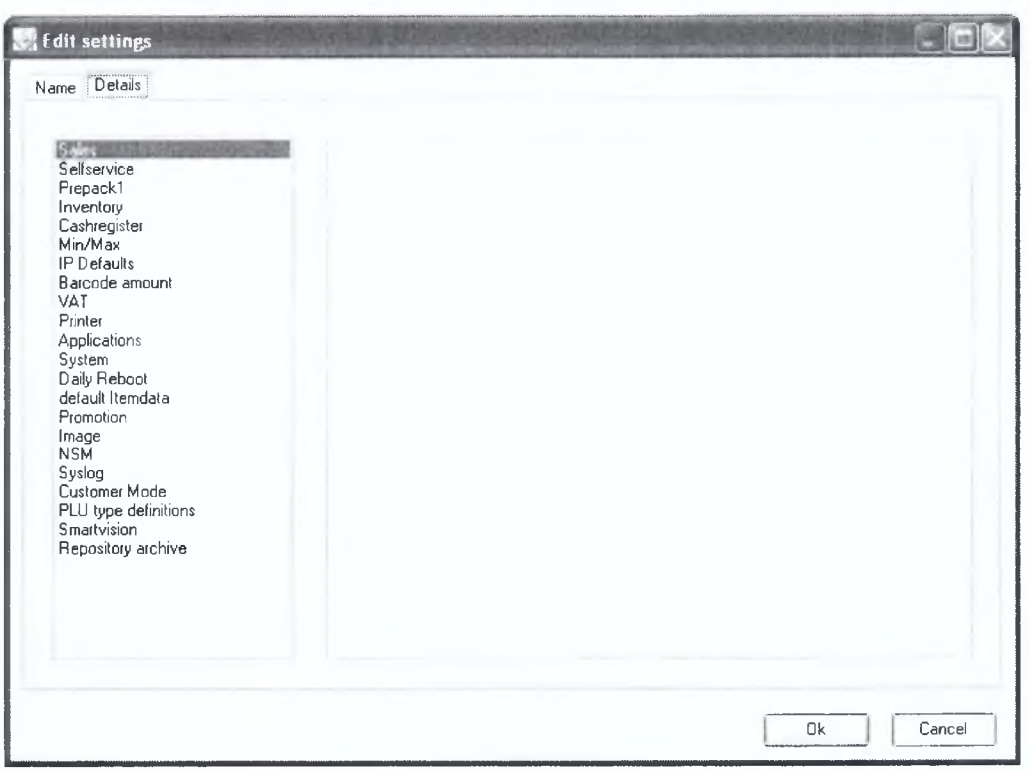
1. Add the labellayout no_label_layout.xml to your project (see section 5.4.3.1)
2. Select "Customer.ini" in the bar



3. Double click the (default)

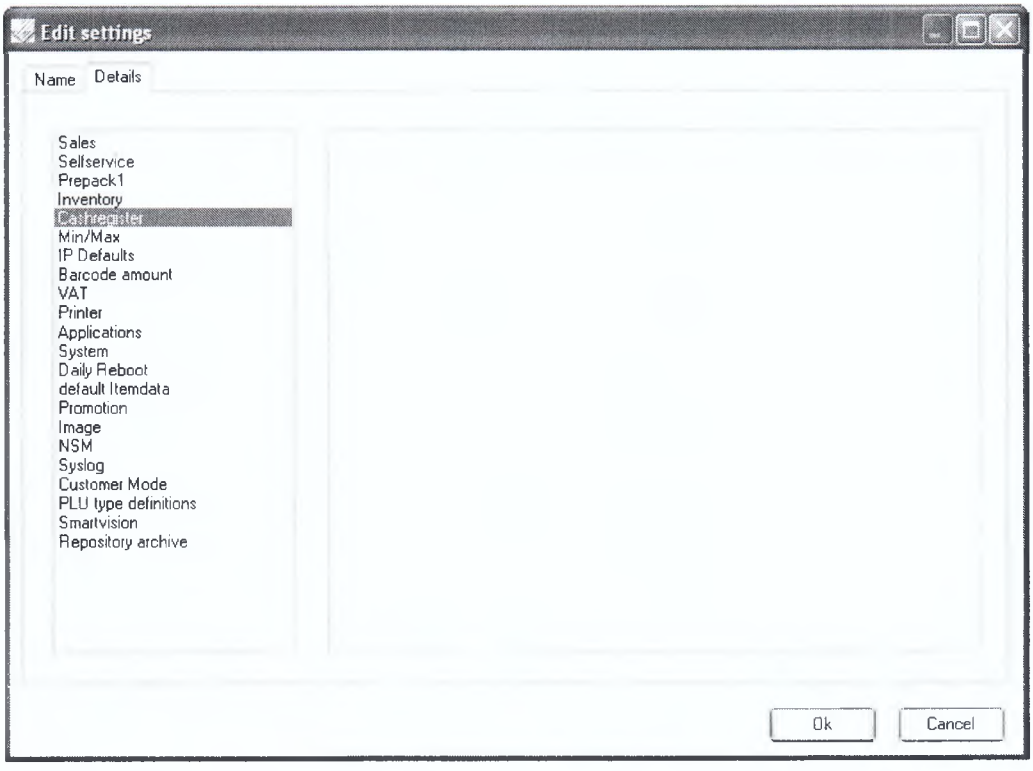


4. The shortname for the default is always empty and cannot be deleted and/or changed. Select the tab "Details"

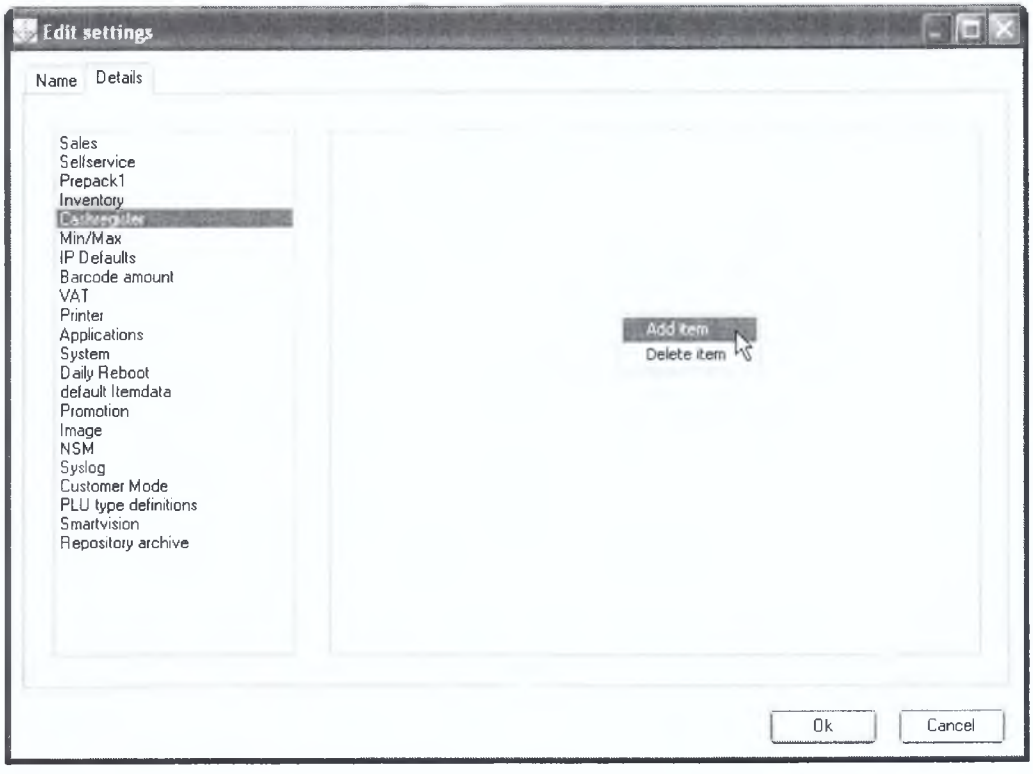


5. You will see in the left column all available sections from the customer.ini (as described in the document PI2510_EN_UC3_Cust_ini_V_1_31.pdf

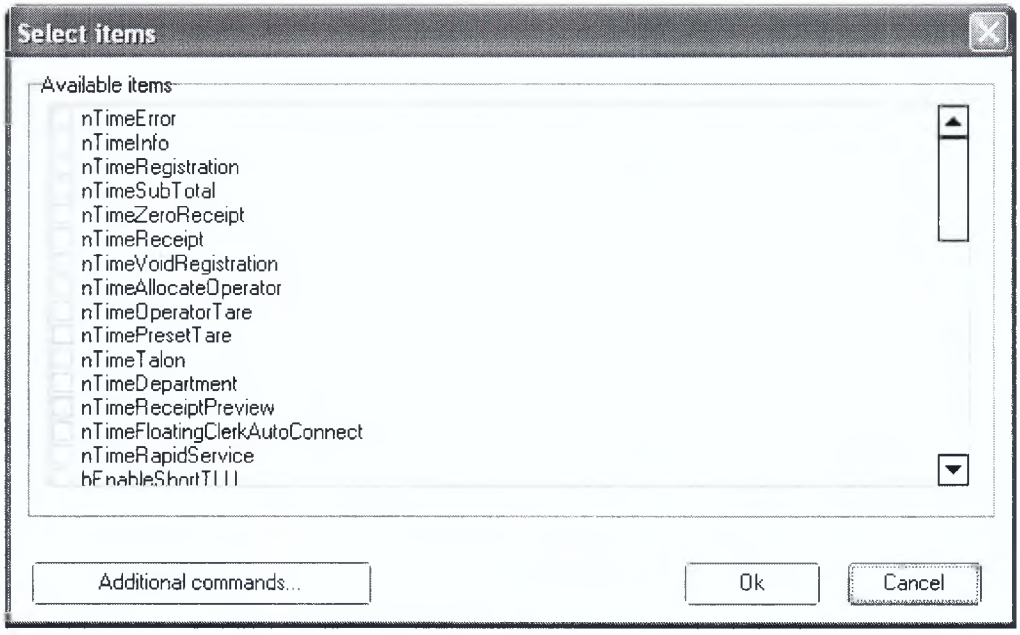
6. Select the section you need from the left side (in this case, select Cashregister)



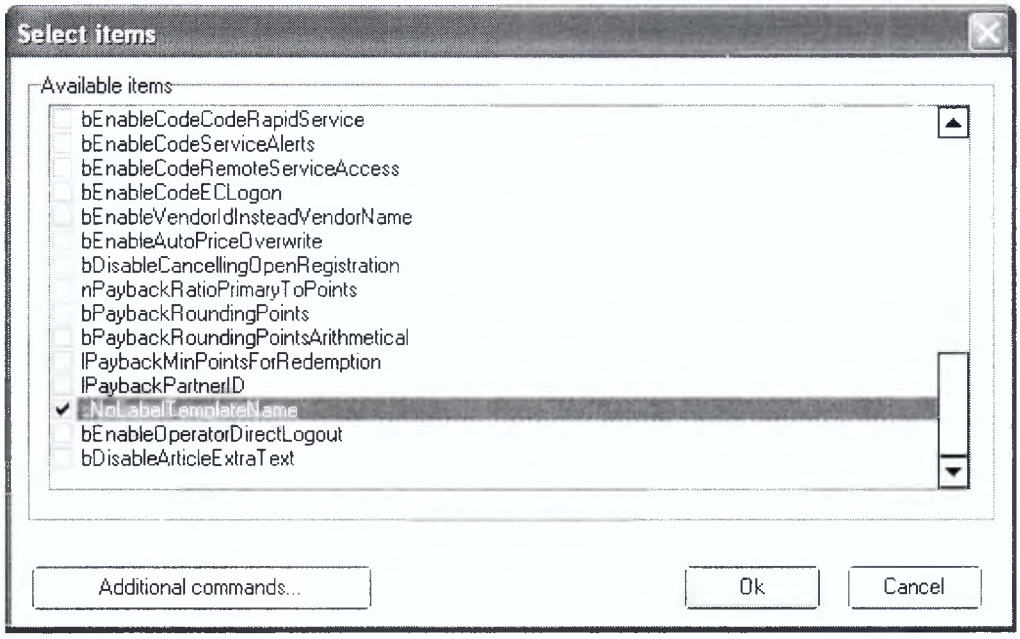
7. Press the right mouse button in the right section and select "Add item" from the context popup menu



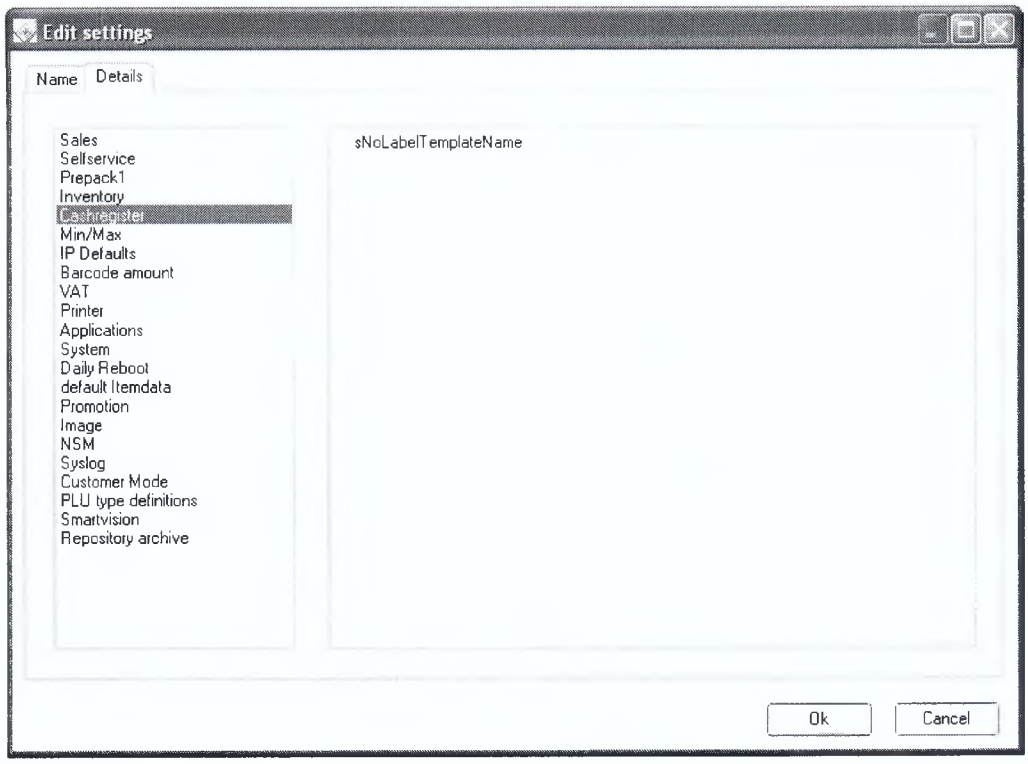
8. A selection form with all available items from the selected section will be displayed.



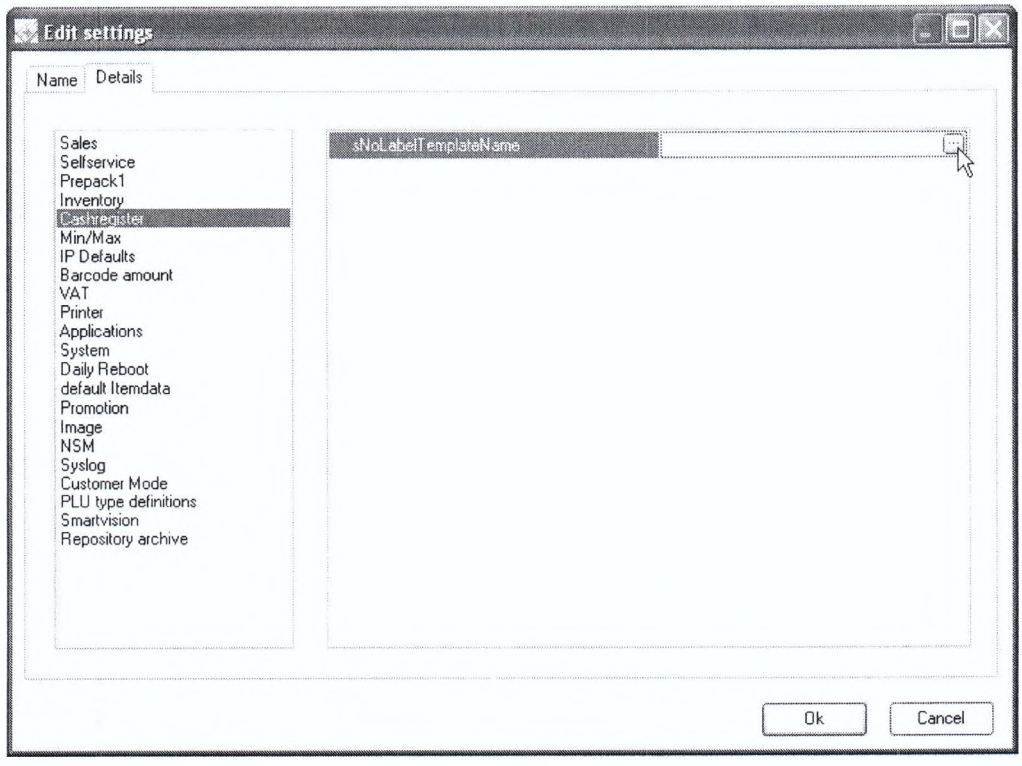
9. Select the item that you need to add to your project (in this case sNoLabelTemplateName)



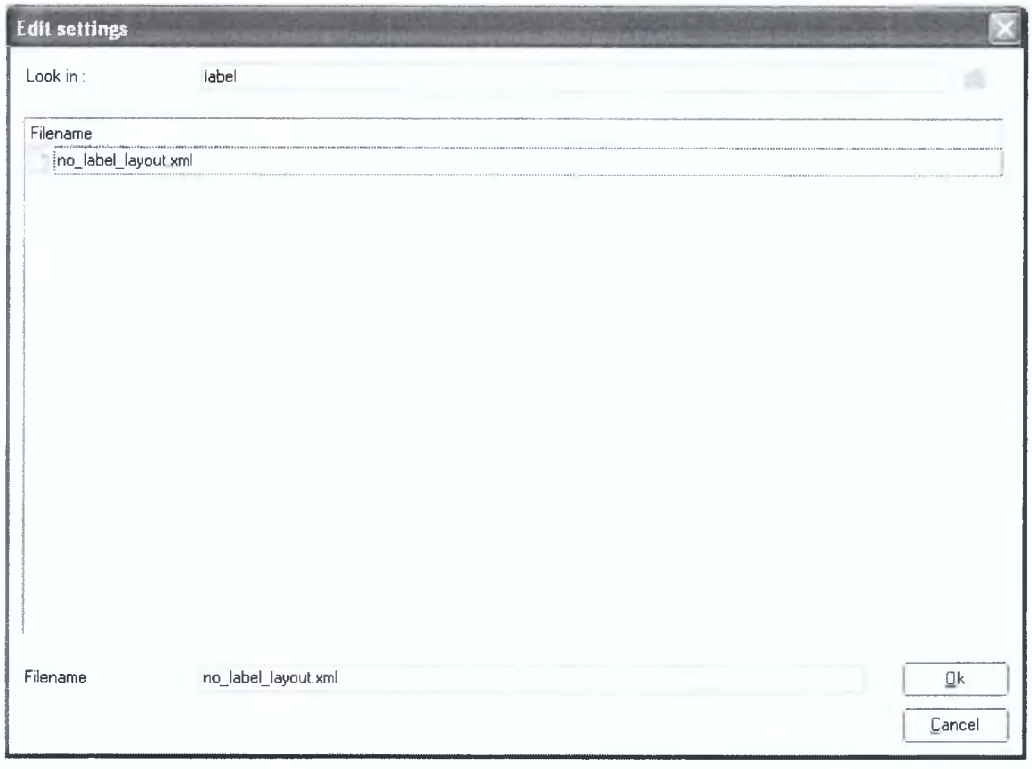
10. Press Ok to add this item to your project



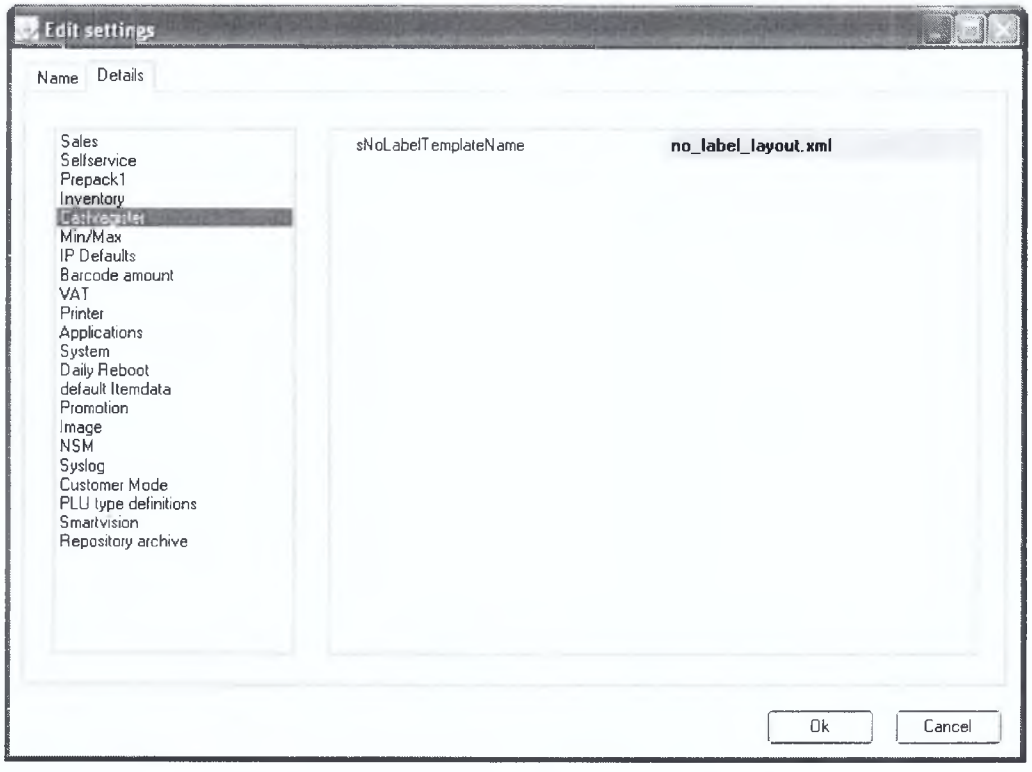
11. You can change the sNoLabelTemplateName setting by selecting it.



12. Because the application has the intelligence that it has to deal with a template that might be stored in the repository, you can press the button at the end of the editbox (or you can type in the filename if you know this already).



13. A selection form will pop up with the available layouts from the repository. Select the file you need and press Ok



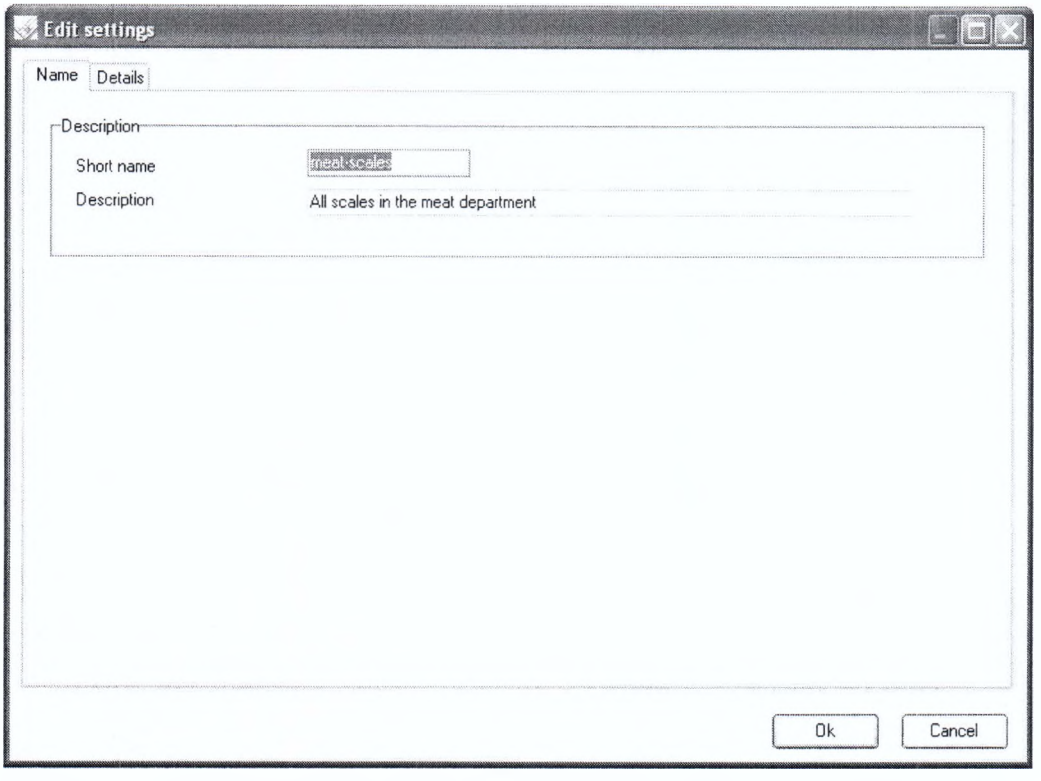
14. The setting is defined now. The grey area will inform you that you have defined a user customized value that is different from default.

5.17.2 Profiling the customer.ini

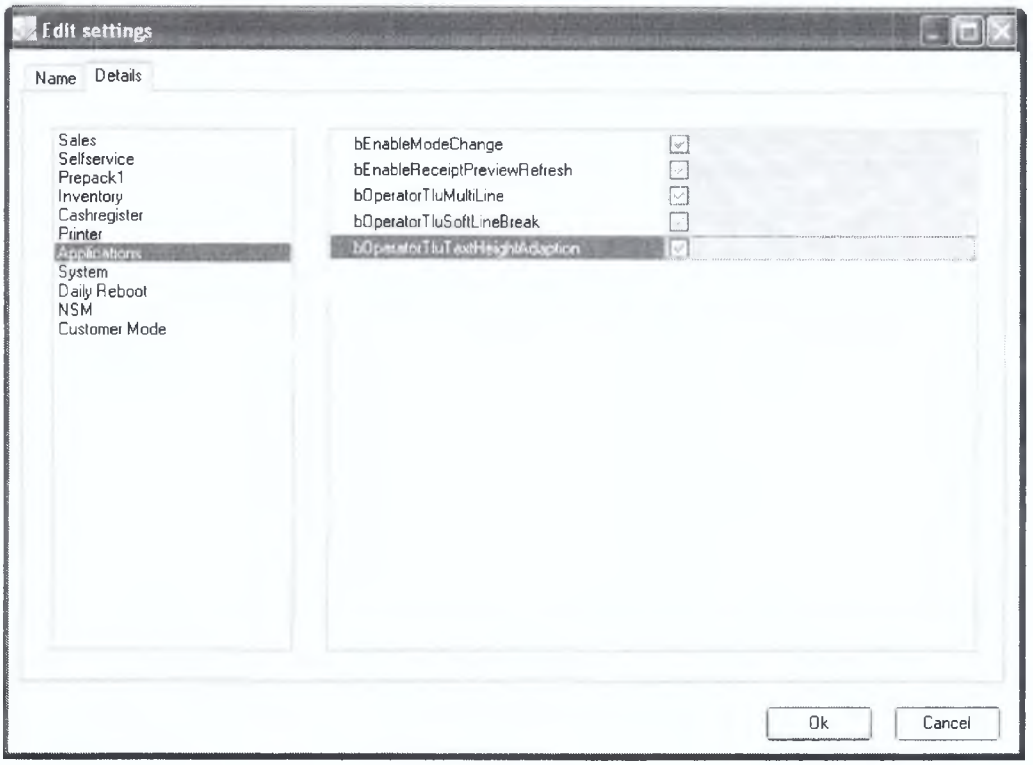
Like the other profiles, it is also possible to profile the customer.ini. In previous times you had to define a different customer.ini for each scale. While we are working today with a single file for all scales, you need to setup profiles in the customer.ini if you need different values for the same setting on different scales. You can connect the profiled customer.ini to the device profiles.

You can define a profiled section by doing following steps

1. From the customer.ini module, select "Insert" from the context popup (or press the insert button)

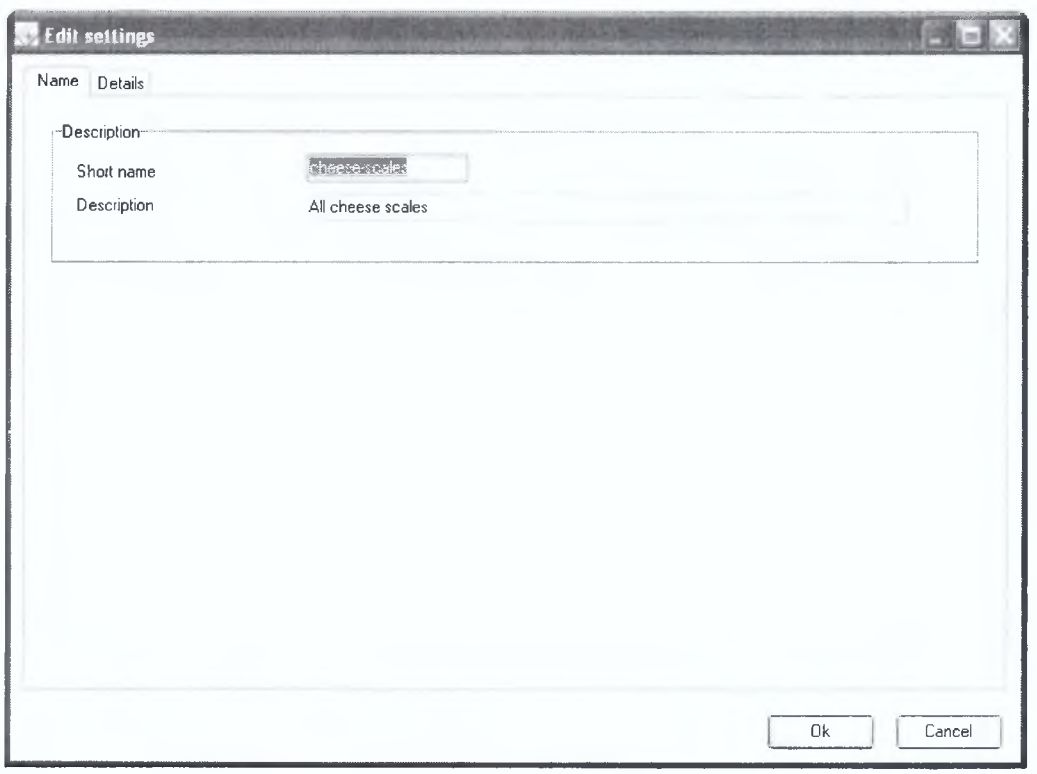


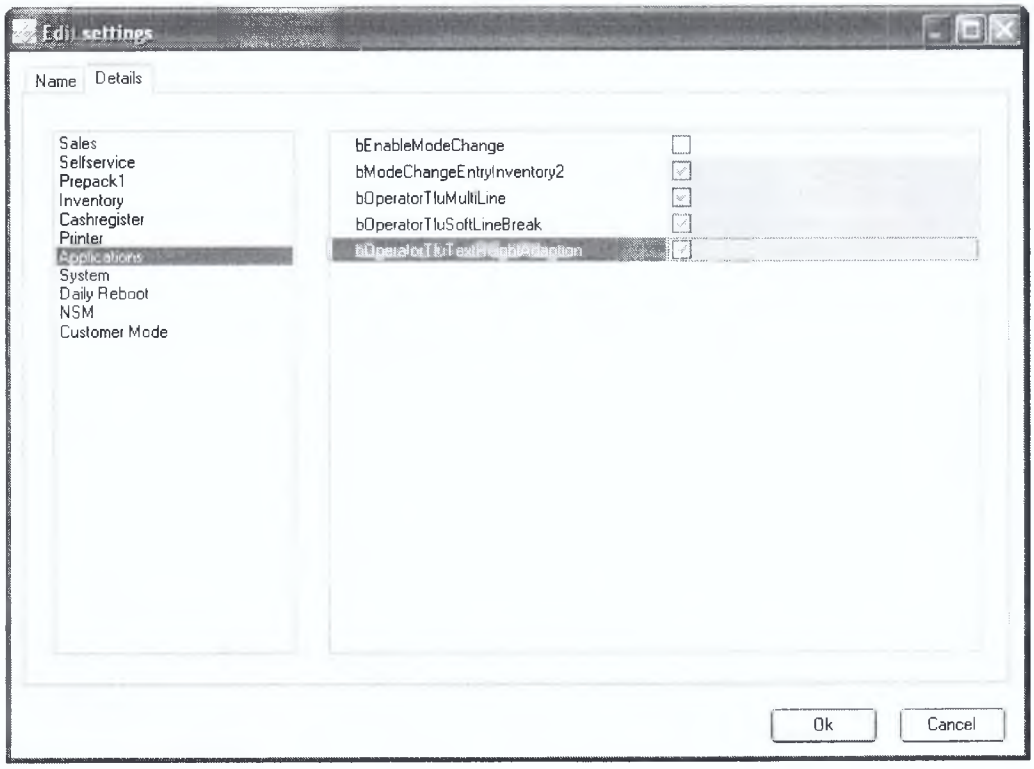
2. Define the shortname you want to define and a description (in this case "meat-scales")
3. Select the details tab and add the values you need for the meat-scales



4. Press Ok to store the values

Do the same for chees-scales (see pictures below)





Based on the information about, MTProfileBuilder will automatically generate the profiled customer.ini file with the profiled sections (see a part of customer.ini below)

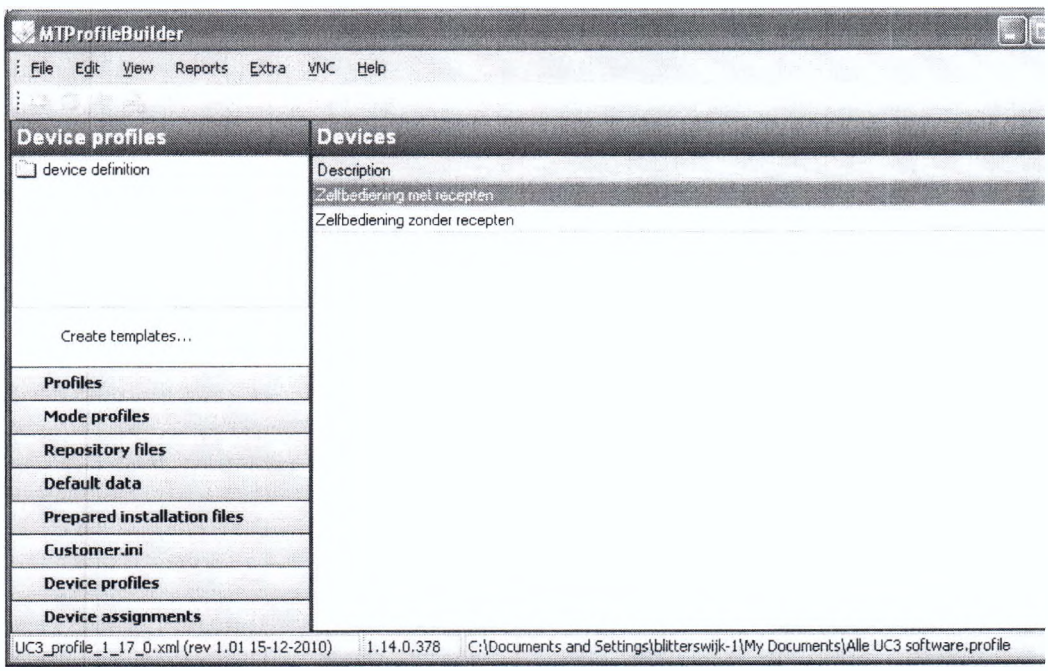
```
[meat-scales.applications]
bEnableModeChange=1
bEnableReceiptPreviewRefresh=1
bOperatorTluMultiLine=1
bOperatorTluSoftLineBreak=1
bOperatorTluTextHeightAdaption=1

[cheese-scales.applications]
bEnableModeChange=0
bModeChangeEntryInventory2=1
bOperatorTluMultiLine=1
bOperatorTluSoftLineBreak=1
bOperatorTluTextHeightAdaption=1
```

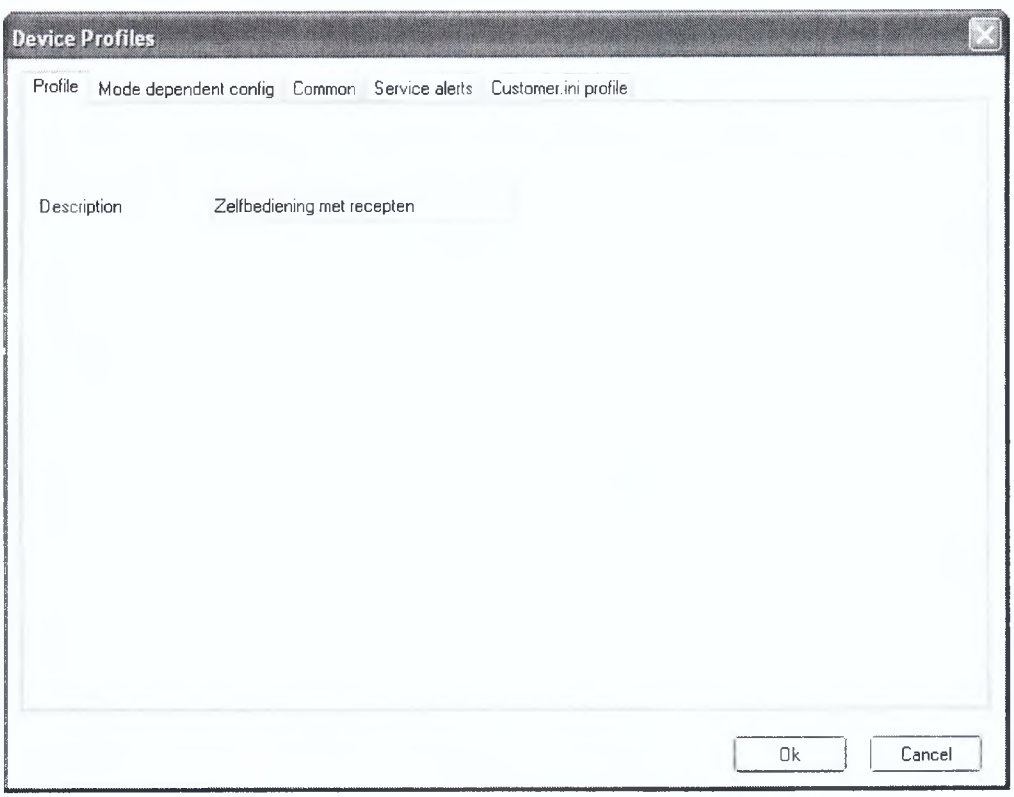
5.17.3 Assigning a profiled section to a device

In order to use the profiled sections, you need to assign this to a device. This can be done in the module "device profiles"

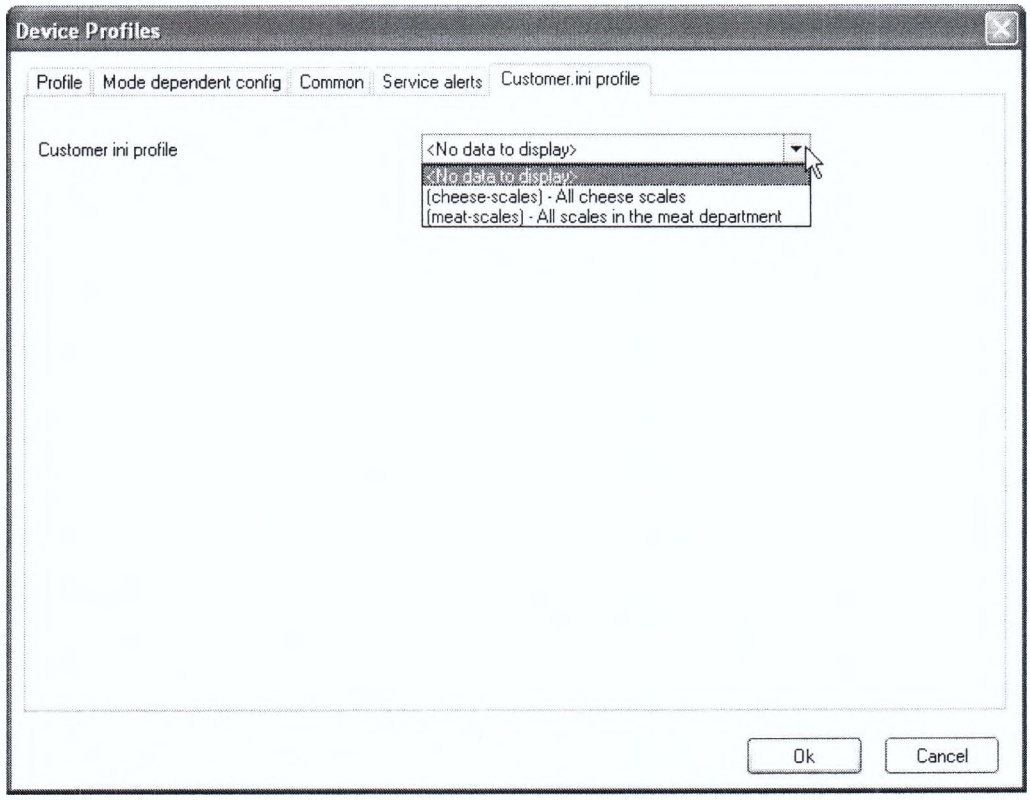
1. Select the module "Device profiles"



2. Open the device description that need to change



3. Select the "customer.ini profile" sheet

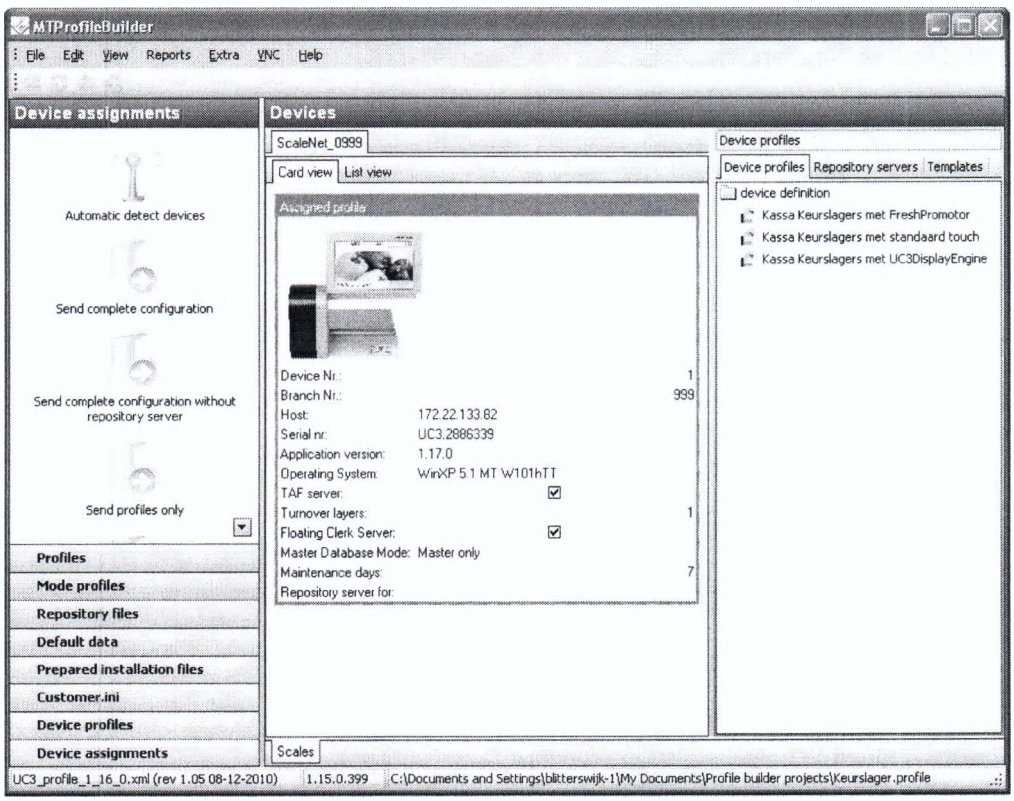


4. Select from the drop-down section the section you need. In case you do not need the profiled section, select "No data to display" which will select the default values from the customer.ini

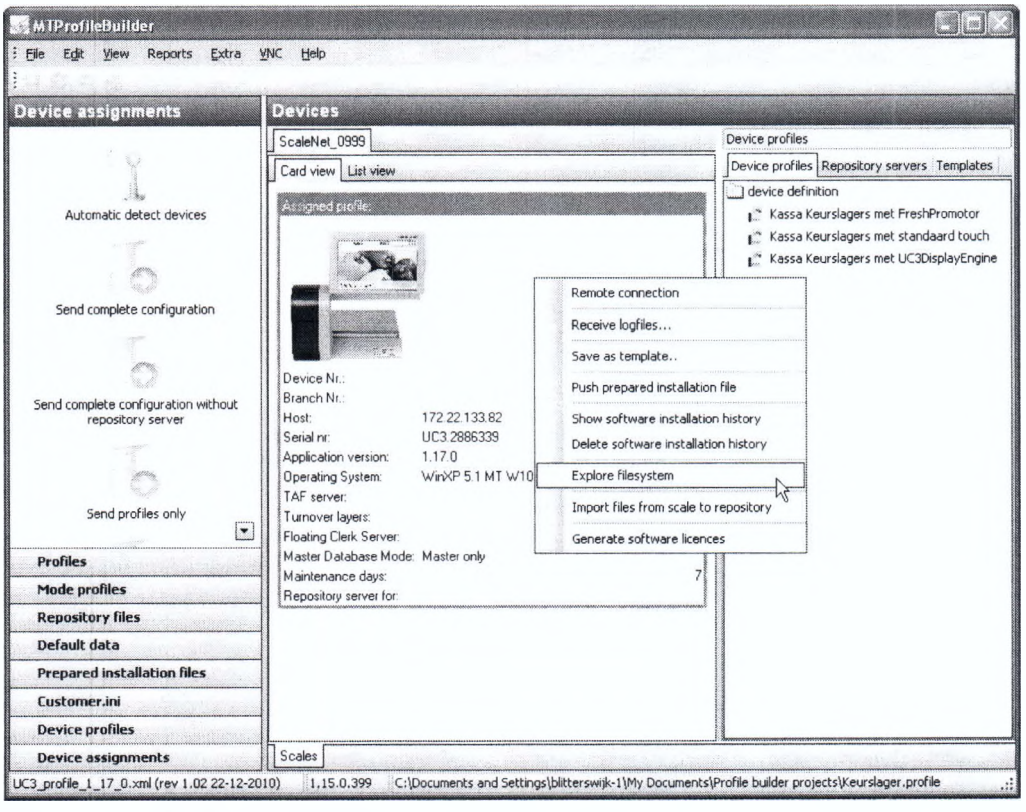
5.18 Explore the scale filesystem

Starting from MTProfileBuilder 1.15 the windows explorer is integrated in the application. In order to navigate through the files stored on the scale, you have to do the following actions

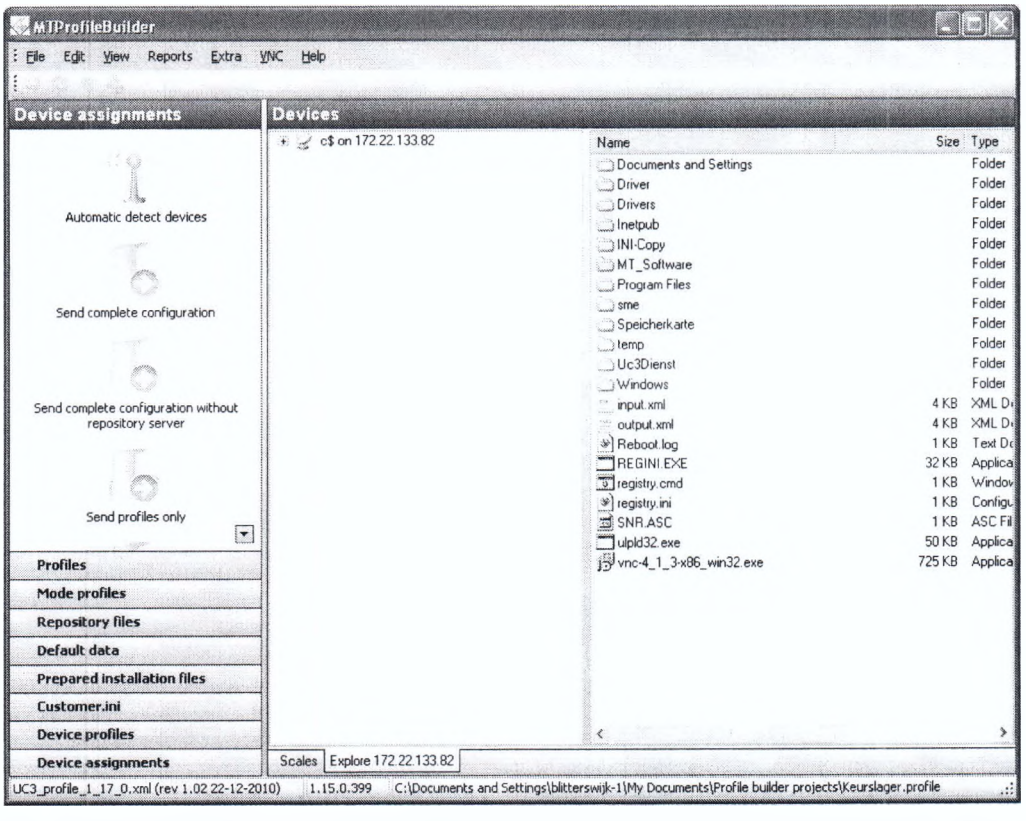
Select the module "Device assignments" and detect the scales (see 4.2 for the detection of scales)



Press the right mouse button and select "Explore filesystem" from the context popup menu.



The explorer will start and will be displayed on an extra page

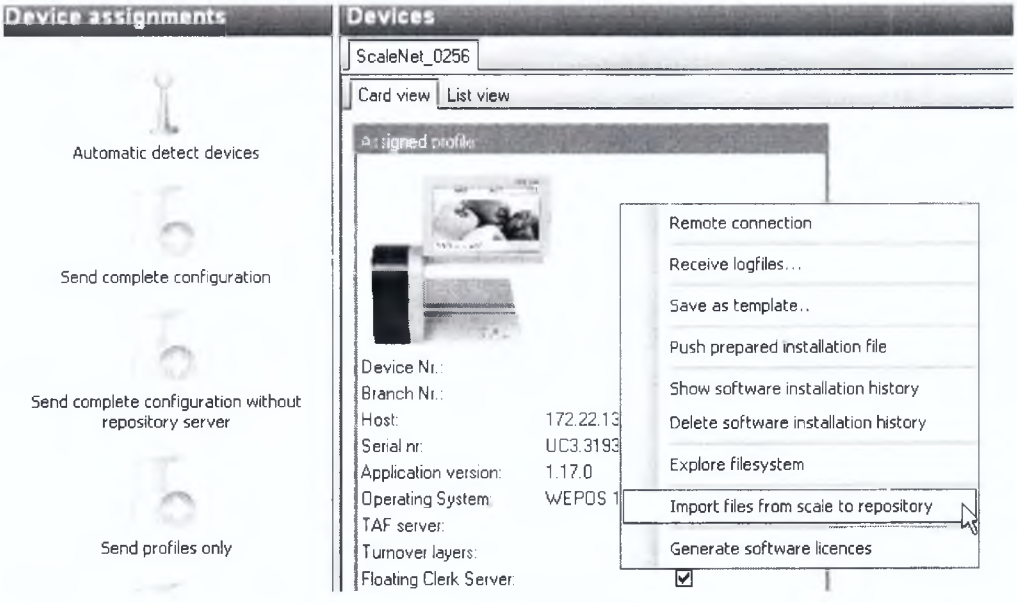


You can drag and drop files to the scale. By using the context popup menu from the explorer you can close this explorer, or by using the shortcut Alt+D

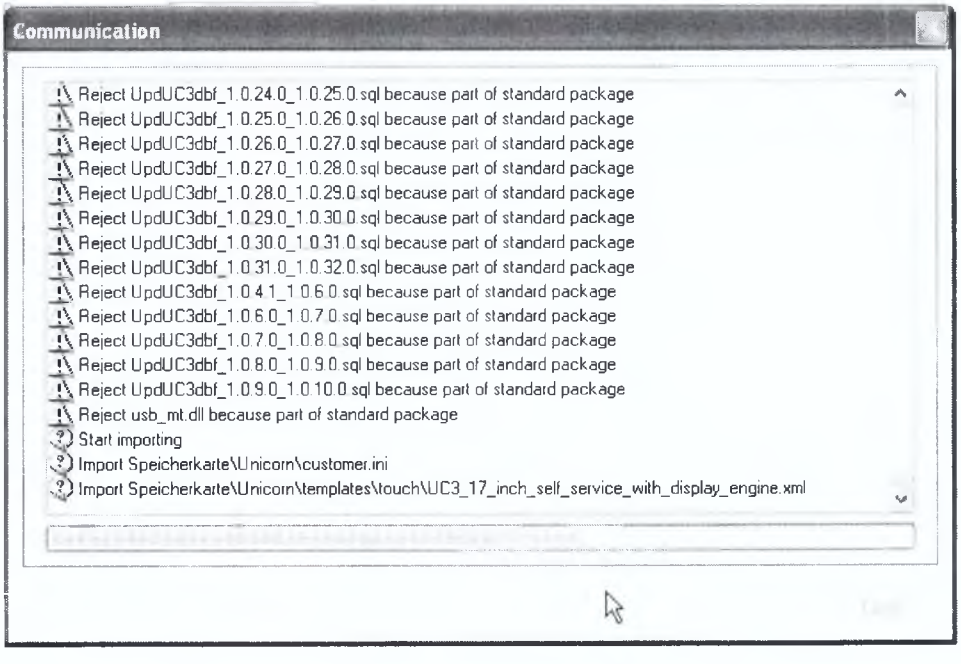
5.19 Import files from the scale directly to the repository

It is possible to import files directly from the scale to the repository. In chapter 5.3.4.5 one way is described. Using that option it is possible to import certain directories. If you want to import all files directly to the repository then there is also another way to do it.

Select the module "Device assignments" and select one of the detected scales. Press the right mouse button and select "import files from scale to repository" from the context popup



The files are directly imported in the repository.



Depending on the number of files, size of files and communication speed this action can take

some time !

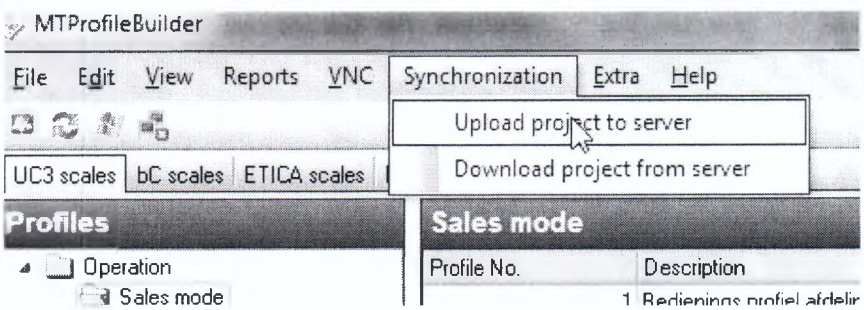
5.20 Upload and download with MTDistributionServer

MTDistributionServer is the application which can transfer profiles created with MTProfileBuilder to devices in an enterprise environment. Using MTDistributionServer you can define and store devices in the enterprise and assign profiles to the devices which will be stored in a database. You can exchange profiles between MTDistributionServer and MTProfileBuilder. This process is called synchronization.

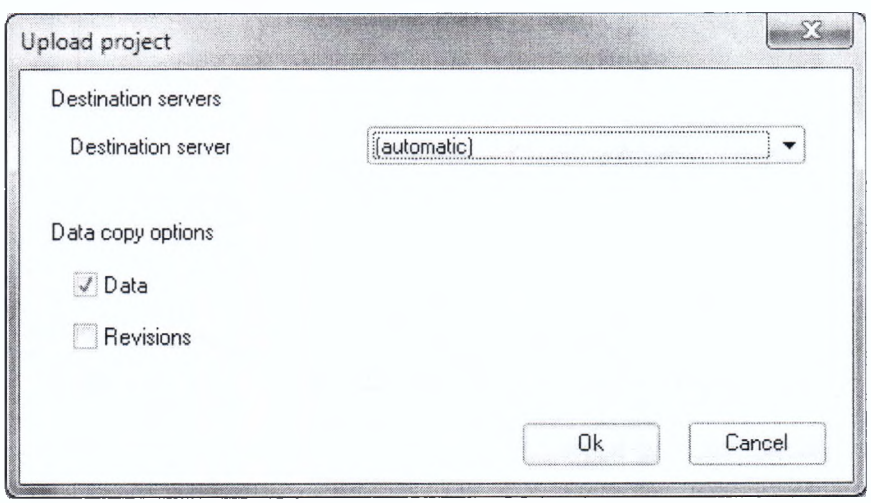
5.20.1 Upload to MTDistributionServer

Uploading is necessary when you have stored the profiles in an offline file (project file with extension .profile). Because MTDistributionServer is using an SQL database instead of a project file, you can upload the profiles to the database in the following way.

1. Open a project file
2. Select "Upload project to server" from the menu "Synchronization"



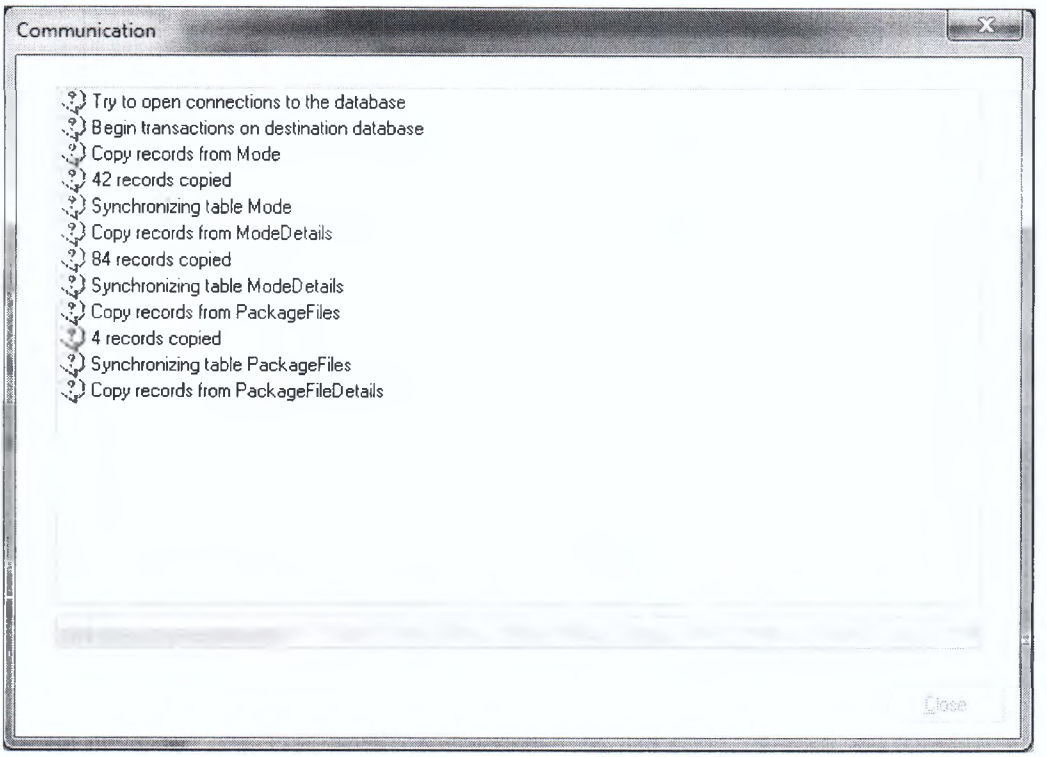
3. Using the upload project form you can select the server where you want to upload to. In case MTDistributionServer is not in the local network, you need to define the server before in the settings form. Using the mode "(automatic)" will automatically detect the first available MTDistributionServer



4. Select the copy options.

- Data options means that all data except revisions
- Revisions mean the revision data in order to backup and restore configurations

5. Press Ok to start the process



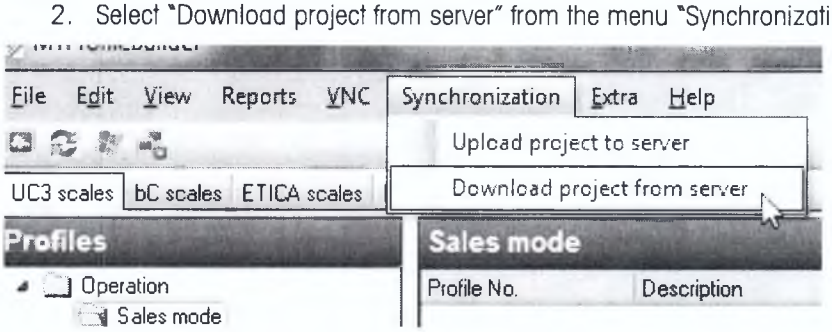
After the communication is ready, this form is closed and the data is available in MTDistributionServer

5.20.2 Download from MTDistributionServer

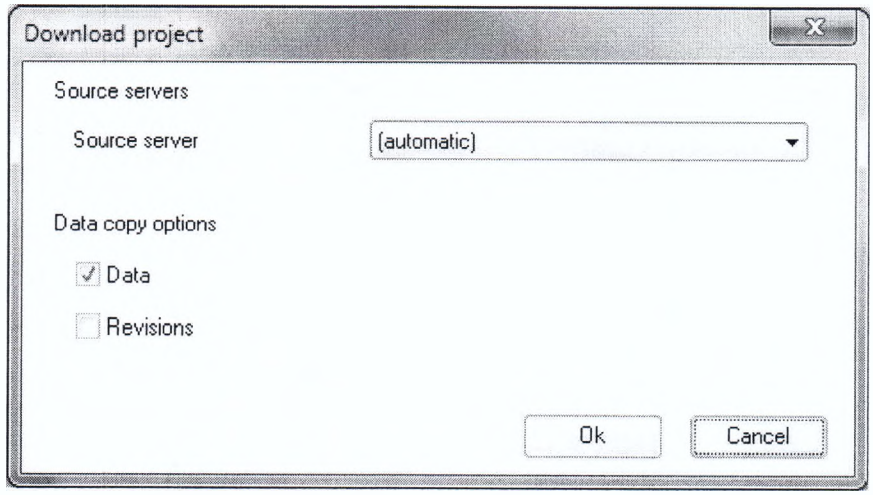
If you need to create a backup, or want to work offline in order to prepare and test profiles, you can download the profiles that are stored inside MTDistributionServer to the locally profile file MTProfileBuilder.

In order to download the profiles, you need to do the following actions

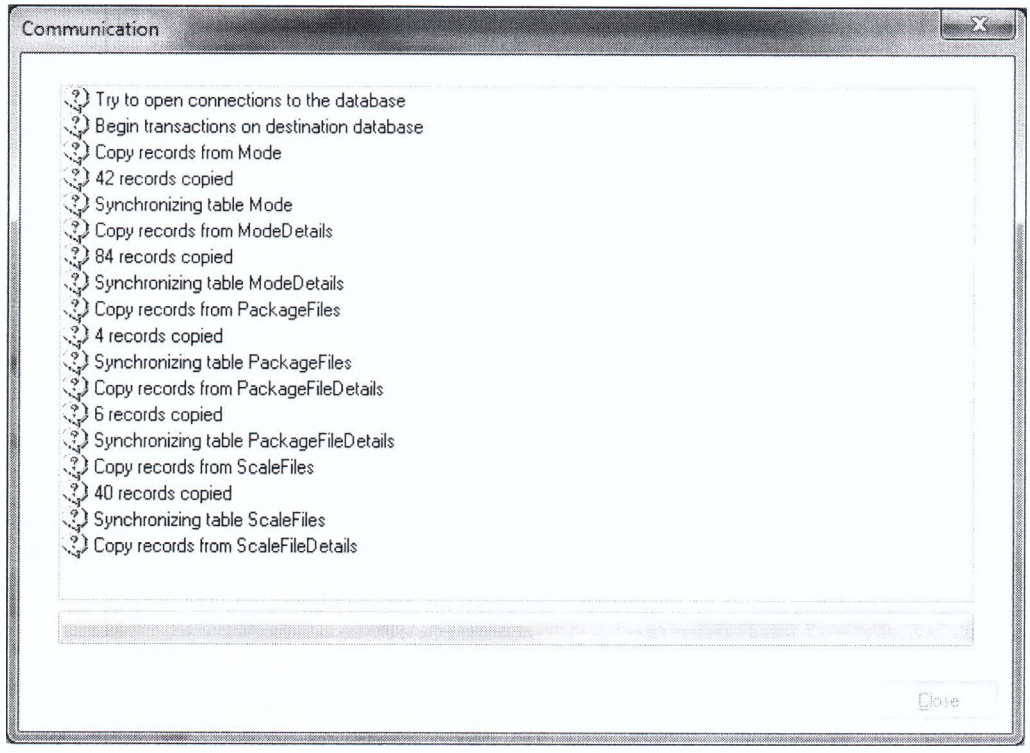
1. Open an empty profile
2. Select "Download project from server" from the menu "Synchronization"



3. Using the download project form you can select which data you want to synchronize



4. Select using the data copy options, the data that you want to download and press the "ok" button.
5. Downloading will start



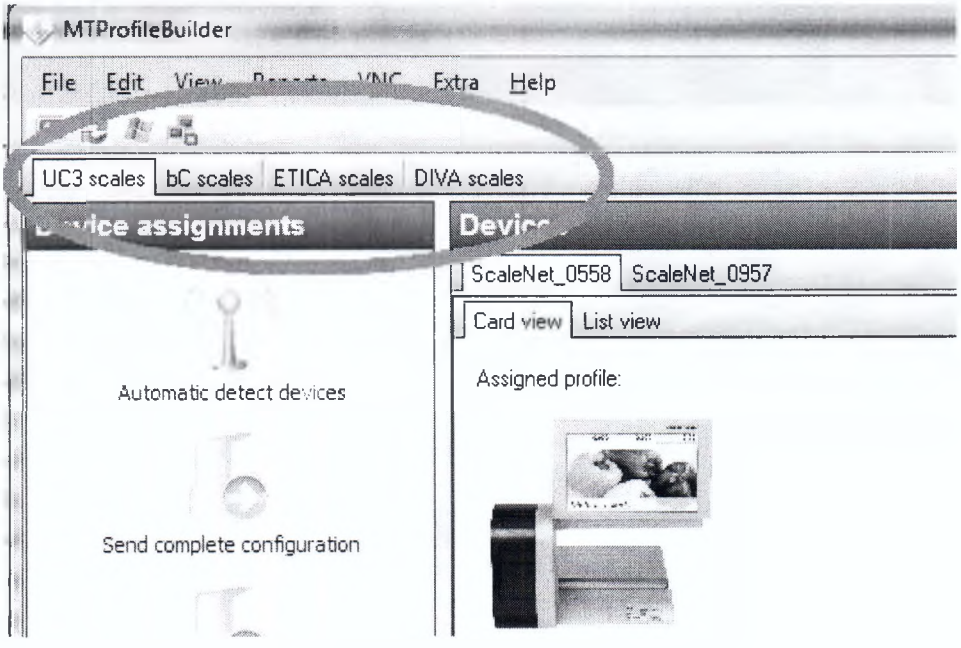
6. When the downloading is ready, this form will close automatically

6 Other devices

The examples in this manual are based upon the UC3 device. The way of working for the other implemented devices is the same as for the UC3 device. It is possible that due to device limitations you will get less options.

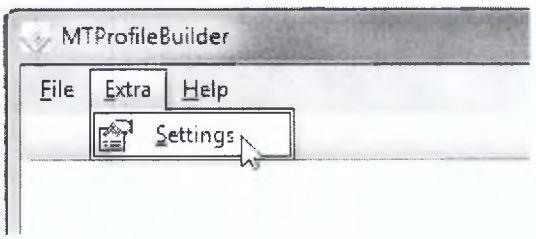
6.1 Switch between devices

Using the pages you can switch between devices

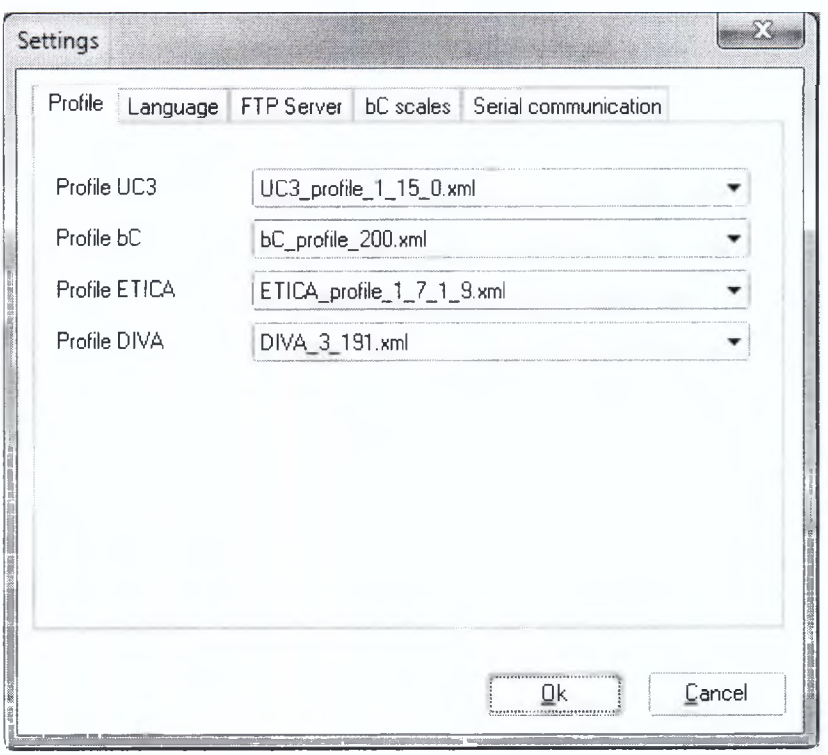


7 Settings

There is a bare settings menu in MTProfileBuilder. The settings menu can be accessed by selecting "Settings" in menu "Extra".



The settings screen does contain a single combo box for every supported device.



In this screen you can select the actual profile. This file is used in order to display all available properties belonging to a certain version UC software. Also in the communication this file is used in order to send profiles to the scale. If a new software version is released for the UC scales, a new profile should be selected. This will prevent us from changing software for every new UC release.

8 Appendixes

8.1 Appendix : Supported languages

At this moment (release 1.41), the setup does include 4 languages

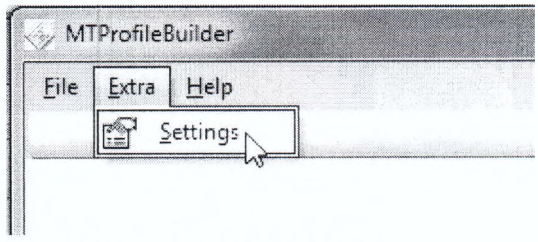
Language	Filename
English	MTProfileBuilder.english
Dutch	MTProfileBuilder.dutch
French	MTProfileBuilder.french
German	MTProfileBuilder.german

If you need additional languages please contact Mettler Toledo.

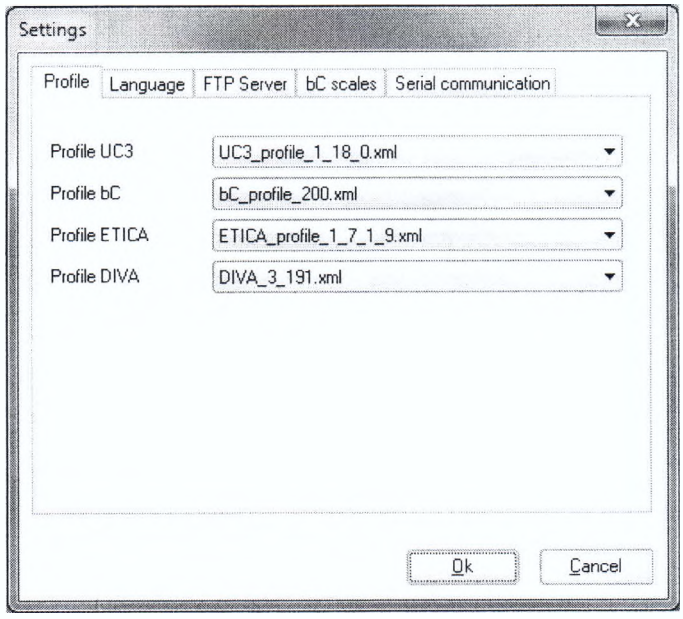
8.1.1 Selecting application language

You can switch the application language by following steps

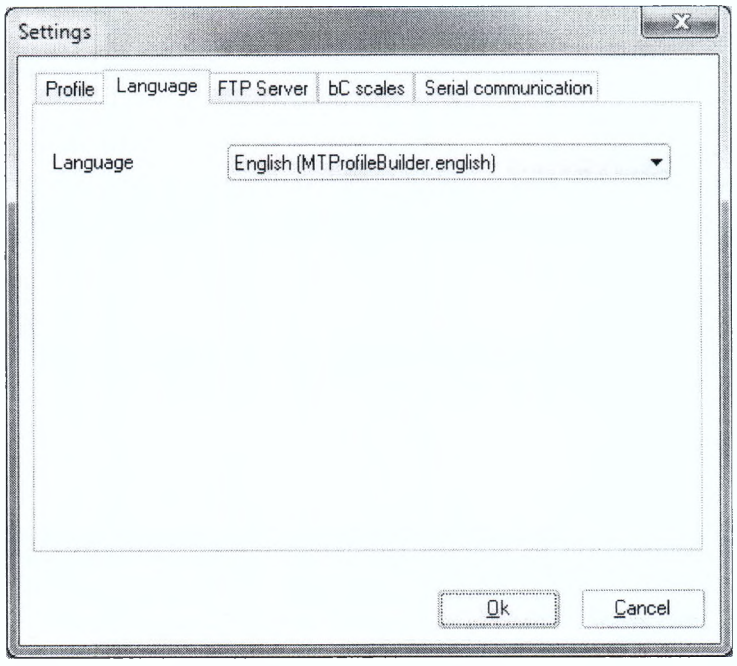
1. Select menu-item Setting in menu "Extra"



2. The settings screen is displayed



3. Select the language tab



4. Select the language you need and press Ok
5. Restart the application. The application will use your new language.

8.2 Appendix : Supported profiles

At this moment (release 1.65) the following profiles are available

UC3

The profiles for the following UC3 applications are available

UC3 application	Filename
1.15.0	UC3_profile_1_15_0.xml
1.15.1 / 1.15.2	UC3_profile_1_15_1.xml
1.16.x	UC3_profile_1_16_0.xml
1.17.0 / 1.17.1	UC3_profile_1_17_0.xml
1.17.2	UC3_profile_1_17_2.xml
1.18.0	UC3_profile_1_18_0.xml
1.18.1	UC3_profile_1_18_1.xml
1.19.x	UC3_profile_1_19_0.xml
1.20.0	UC3_profile_1_19_0.xml
1.20.1	UC3_profile_1_20_1.xml
1.21.0	UC3_profile_1_21_0.xml
1.21.1	UC3_profile_1_21_1.xml
1.22.0	UC3_profile_1_22_0.xml
1.22.1	UC3_profile_1_22_1.xml
1.23.0	UC3_profile_1_23_0.xml
1.24.0	UC3_profile_1_24_0.xml
1.25.0	UC3_profile_1_25_0.xml
1.26.x	UC3_profile_1_26_0.xml
1.27.x	UC3_profile_1_27_0.xml
1.28.x	UC3_profile_1_28_0.xml
1.29.0	UC3_profile_1_29_0.xml

bC

The profiles for the following bC applications are available

bC application	Filename
200 / 201 / 202	bC_profile_200.xml
203 / 204 / 205 / 206	bC_profile_203.xml
207 / 208 / 209 / 210 211	bC_profile_207.xml
212 / 213 / 214	bC_profile_212.xml
213 / 214	bC_profile_213.xml
215 / 216 / 217	bC_profile_215.xml
218	bC_profile_218.xml
219	bC_profile_219.xml

220 / 221 / 222	bC_profile_220.xml
223,224,225,226	bC_profile_223.xml
227,228	bC_profile_227.xml
229,230	bC_profile_229.xml

ETICA

The profiles for the following ETICA applications are available

ETICA application	Filename
1.7.1.0	ETICA_profile_1_7_1_0.xml
1.7.1.1	ETICA_profile_1_7_1_1.xml
1.7.1.4	ETICA_profile_1_7_1_4.xml
1.7.1.9	ETICA_profile_1_7_1_9.xml
1.8.1.0	ETICA_profile_1_8_1_0.xml
1.9.1.0	ETICA_profile_1_9_1_0.xml
1.9.1.1	ETICA_profile_1_9_1_1.xml
1.9.2.4	ETICA_profile_1_9_2_4.xml
1.9.2.5	ETICA_profile_1_9_2_5.xml
1.9.2.6	ETICA_profile_1_9_2_6.xml
1.10.2.0	ETICA_profile_1_10_2_0.xml

DIVA

The profiles for the following DIVA applications are available

DIVA application	Filename
3.191 / 3.192 / 3.193	DIVA_3_191.xml

L2

The profiles for the following DIVA applications are available

L2 application	Filename
440	L2_profile_440.xml

ARIVA

The profiles for the following DIVA applications are available

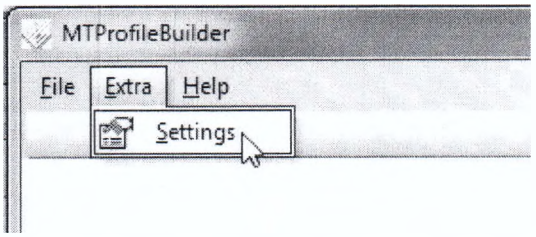
ARIVA application	Filename
1.121	ARIVA_profile_1_121.xml

If you need additional support for other applications, please contact Mettler Toledo.

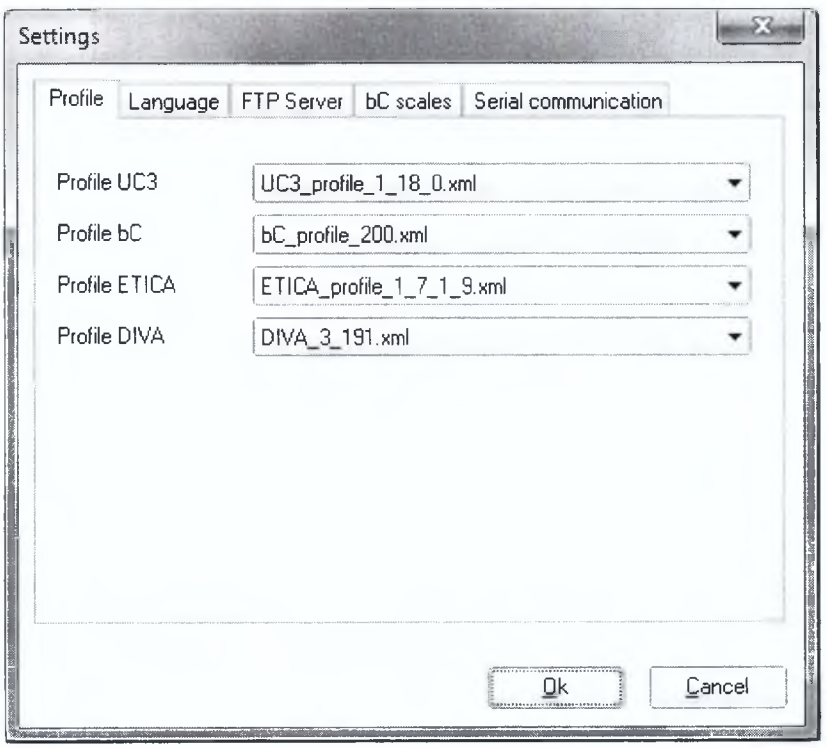
8.2.1 Changing profile

You can switch the from profile by the following steps

1. Select menu-item Setting in menu "Extra"



2. The settings screen is displayed and directly the profile tab is displayed.



3. Select the profile you wish to use. The selected profile will be the default for the application. The profile will also be stored into your project. So the next time you open your project, the application will also use the right profile for your project.

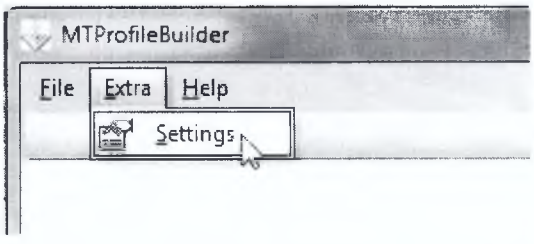
8.3 Embedded FTP server

MTProfileBuilder has an embedded FTP server. There is no need for additional FTP servers on your system. By default the application uses the embedded FTP server for software deployment to your scale environment.

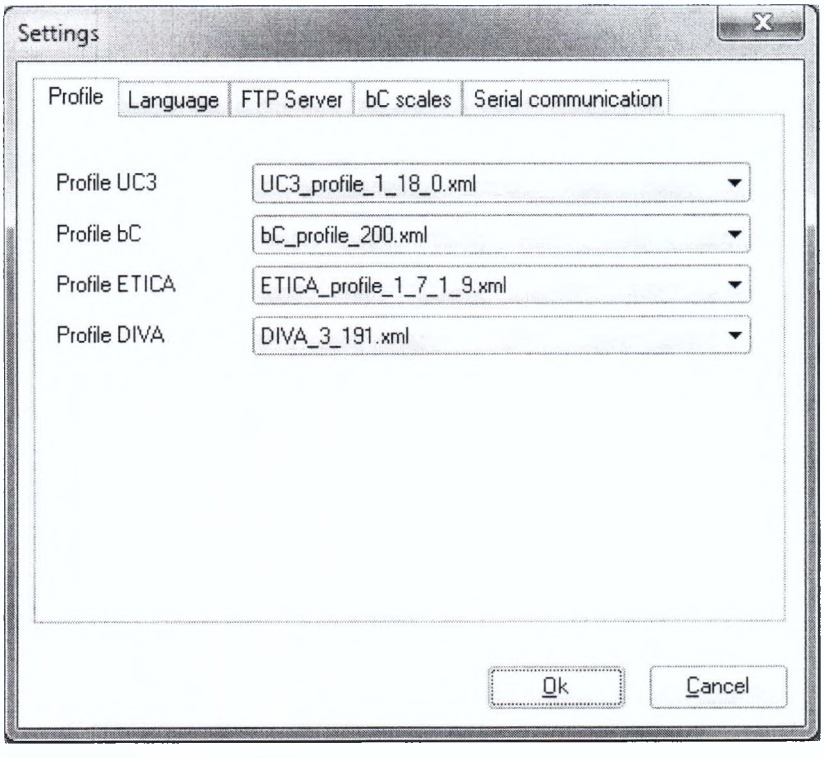
8.3.1 Activate or disable embedded FTP server

The embedded FTP server van be disabled. This is necessary in case your firewall does not allow an active server to be active in an application. Do the following steps.

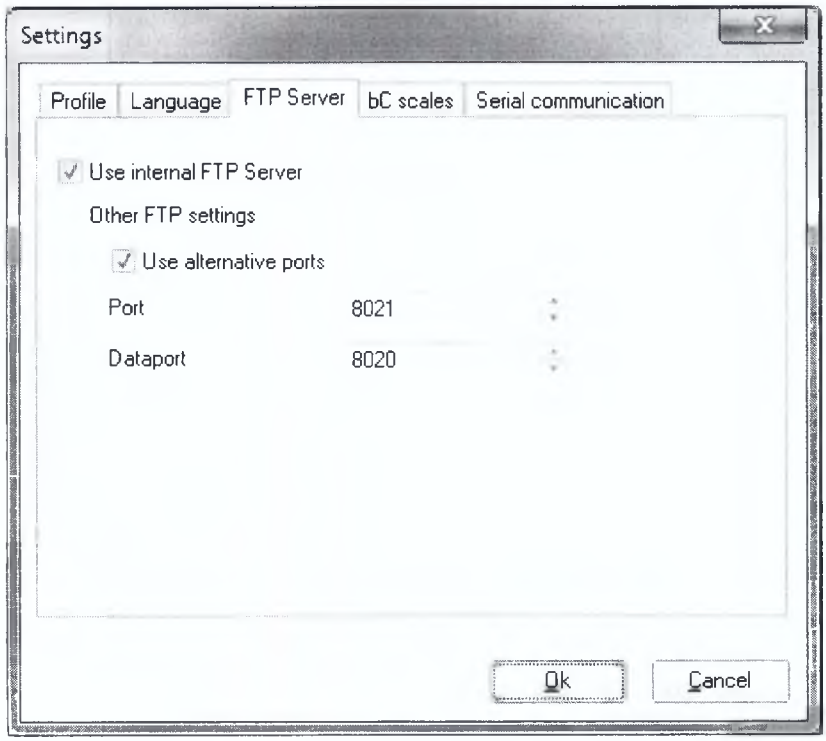
1. Select menu-item Setting in menu "Extra"



2. The settings screen is displayed



3. Select the FTP server tab



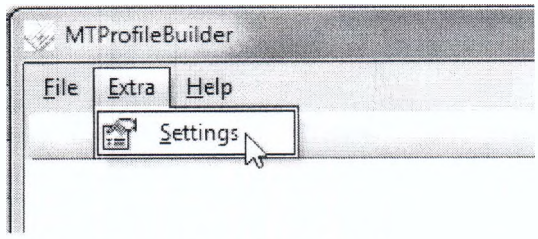
4. Enable or disable the internal FTP server by using the checkbox "Use internal FTP server"

When the internal FTP server is enabled, generated or embedded installation ZIP files are not pushed to the scale, but the PC serves as a FTP-server.

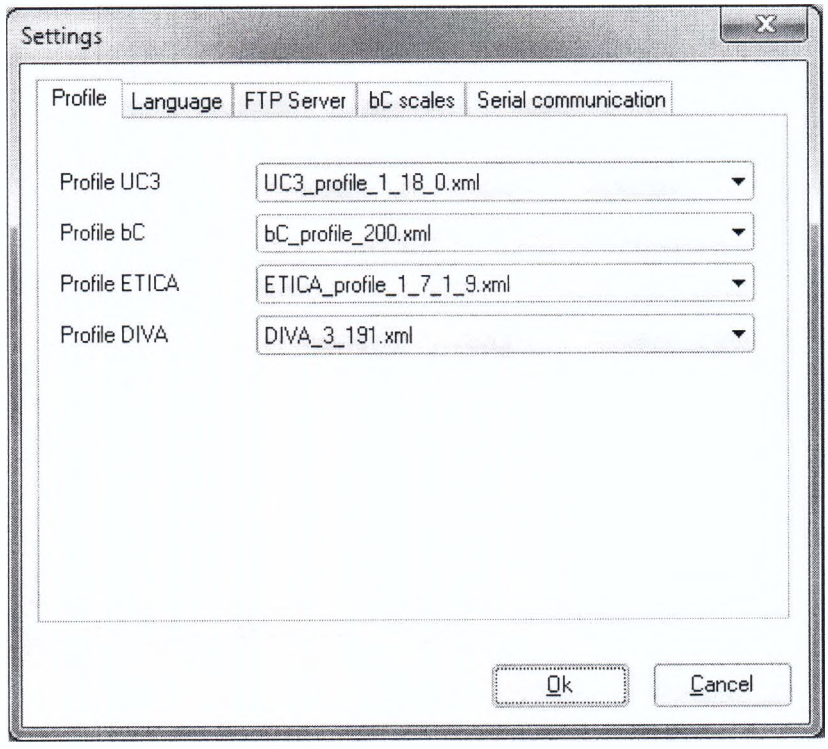
8.4 Serial communication port

For some devices it is necessary to use a serial communication. The communication port can be selected from the settings screen. In order to change the port do the following steps

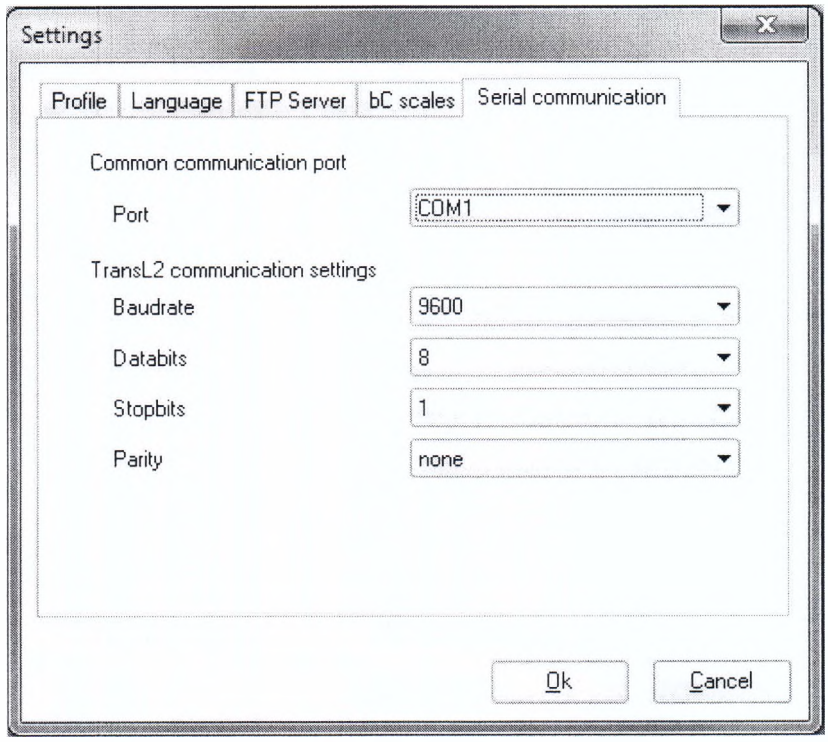
1. Select menu-item Setting in menu "Extra"



2. The settings screen is displayed



Select the serial communication page



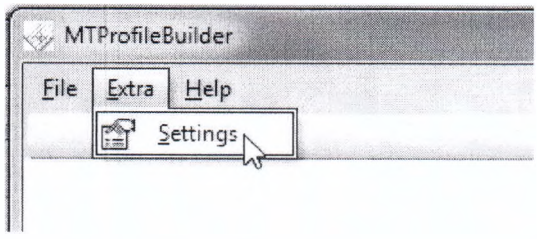
Select the communication port (used for bC and DIVA scales) and change the TransI2 parameters in case you need to connect serial to the bC scales.

Press Ok

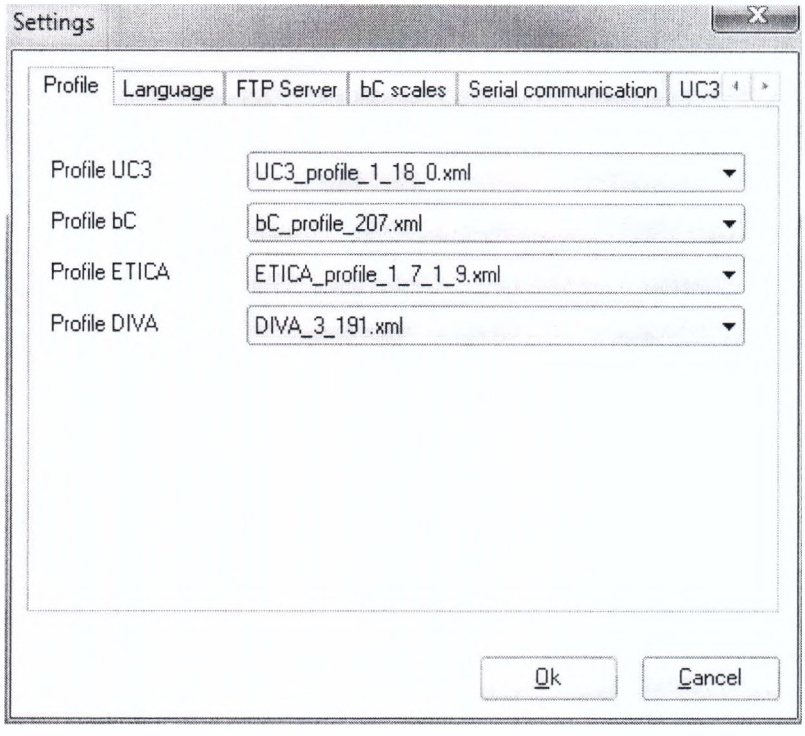
8.5 Deleting existing profiles in scale

For the UC3 devices it is possible to delete existing profiles in the scale. The way this is done can be defined in the settings. Do the following steps

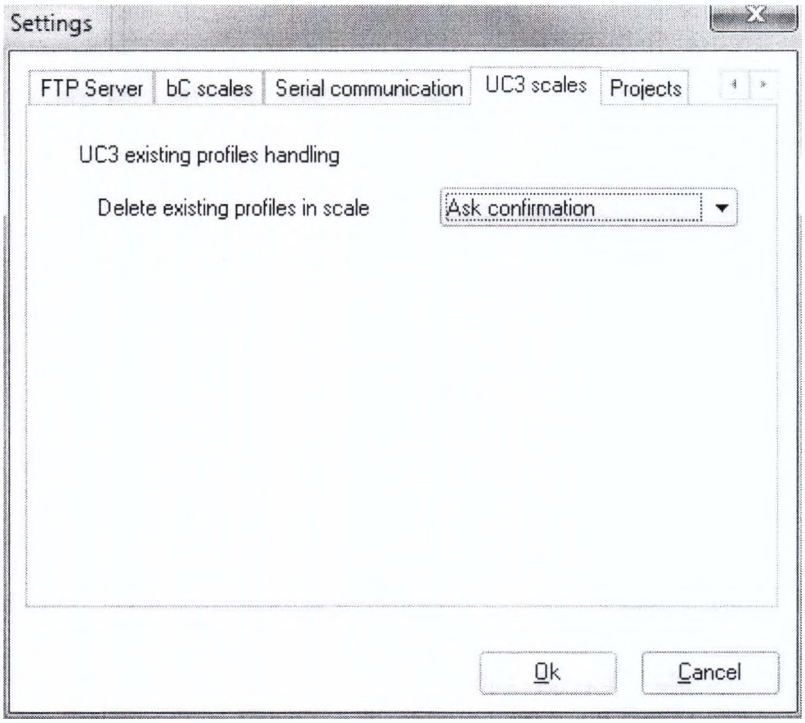
Select menu-item Settings in menu "extra"



The settings screen is displayed



Select UC3 scales



Now there are different possibilities

Selection	Description
Yes	The existing profiles in the UC3 scales are automatically deleted as part of the communication.
No	The existing profiles in the UC3 scales are **not** deleted as part of the communication.
Ask confirmation	On the moment that the communication to the UC3 scales is started, the application will popup a question in order to ask if you want to delete the existing profiles from the scale or not.

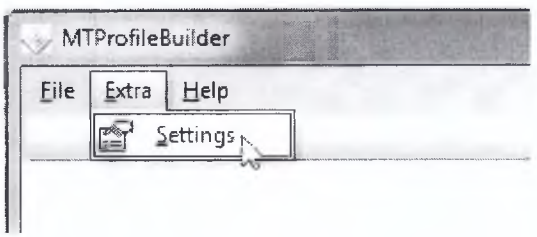
8.6 MTDistributionServer support

Depending on the way of use, you can use MTProfileBuilder in 2 ways

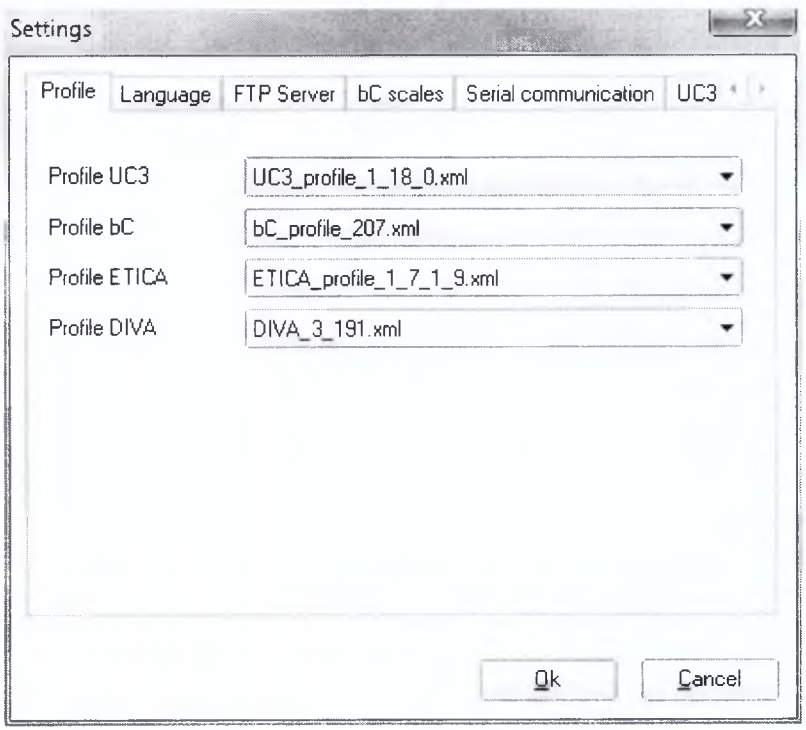
1. Use local profile file (with .profile extension) (project file mode)
2. Direct connected to the MTDistributionDatabase (project server mode)

The way of connecting can be defined in the settings application. In order to change this behaviour, do the following steps.

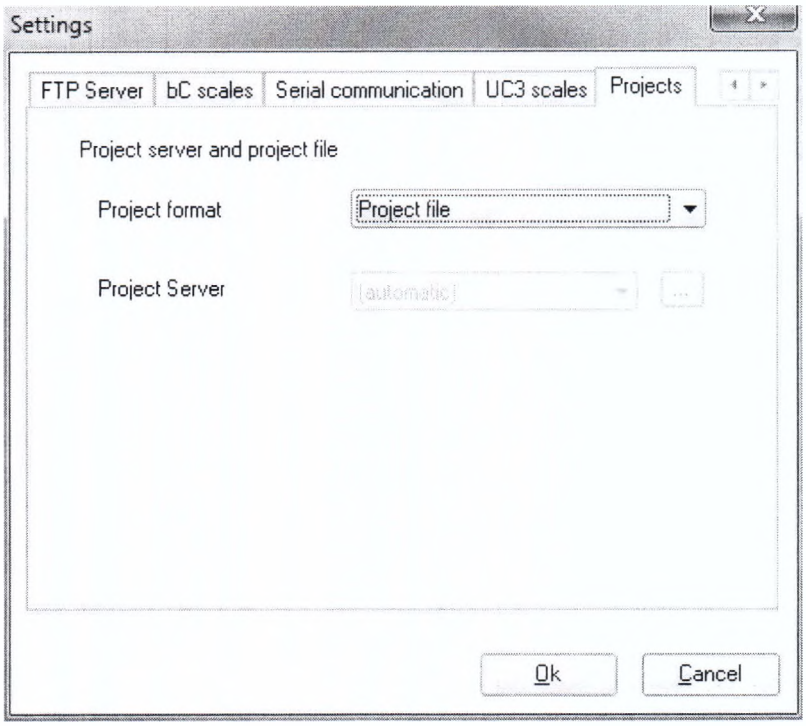
1. Select menu-item Setting in menu "Extra"



2. The settings screen is displayed



Select "Projects"


Settings
FTP Server
bC scales
Serial communication
UC3 scales
Projects
Project server and project file
Project format
Project file
Project Server
automatic
...
Ok
Cancel

8.7 Appendix : Overview module availability

The module availability is based on the license. In this overview you can see the differences.

Module		Licensetype: Restricted user	Licensetype: Administrator
Profiles			•
Mode profiles			•
Profile files			•
Default data			•
Customer.ini			•
Device profiles			•
Prepared installation files			•
Device assignments	Automatic detect devices	•	•
	Send complete configuration	•	•
	Send complete configuration without repository server	•	•
	Send profiles only	•	•
	Send default data	•	•
	Detect devices by IP	•	•
	Receive profiles		•
	Execute template	•	•

8.8 Appendix : Keyboard shortcuts

Key	Function
F2	Execute template on scale network
F5	Automatic scale detection
F6	Manual scale detection
F7	Send complete configuration
F8	Send profiles only
F9	Receive profiles
ALT+D	VNC Disconnect
CTRL+N	New project
CTRL+O	Open project
ALT+X	Quit application
Ins	Insert a new record
Shift+Del	Delete a record
CTRL+R	Renumber record
CTRL+C	Copy record
Ctrl+ →	Increate detail view level
Ctrl + ←	Decrease detail view level

8.9 Appendix : Version history

8.9.1 Software modifications

Version	Description
1.22	• Added appendix 8.7, Version History • Added chapter 5.4, Default packages • Added support for UC3 software 1.18.1 • Added support for UC3 software 1.19.0 • Added support for UC3 software 1.19.1 • Added support for UC3 software 1.19.2 • Included TransUC3 2.1.8.0
1.23	• The renumber function for profiles does not change the numbers in the depending mode profiles and device profiles. This has been solved. • When the application is not running (bC, UC and ETICA), the autodetect is not working. If there are no devices detected, then you also cannot create a VNC connection, or install software. It is possible now that by pressing Ctrl+Alt+I that you can define a scale. By doing this, you are able to create a remote connection and/or to install software.
1.24	• ETICA : receiving and sending data to the scale does work now without problems (supporting ETICA database version 1.2.4.0, 1.2.5.0, 1.2.6.0, 1.2.7.0 and 1.2.8.0) • UC3 : In the settings it is now possible to define if existing profiles are deleted on the scale before sending new profiles. The possible options are "No", "Yes" and "Ask for confirmation" • ETICA : Reading registry options is now part of receiving profiles. • Device profiles that were deleted did show up in the device assignment tool. Problem solved • ETICA : added device type visualisation (bitmaps)
1.25	• Included TransUC3 2.1.9.0 • Added profile for UC3 application 1.20.0 • Added additional information field to document properties • Added LID and PID support for DIVA
1.26	• (never released, modifications forwarded to version 1.27)
1.27	• TransbC is the default communication driver for bC scales. • Added bC communication driver to the bC scales section in the settings • Codepage behaviour. The ASC (210) karakter is converted in all codepages to the same Unicode character. This in order to support the same data on scales with different codepages. • Added server mode in order to support MTDistributionServer
1.28	• When a project was created using UC3_profile_1_20_0.xml and downgraded

to version UC3_profile_1_19_3.xml then the modes that are not supported in version 1_19_3 are still transmitted to the scale. This behaviour is changed.

1.29
- MTProfileBuilder import / export functions between MTDistributionServer and MTProfileBuilder offline project file

1.30
- Added support for bC-software version 207 (label and receipt printer configuration, heartbeat in operator config)
- Restored the drag and drop functionality in the UC3 section for repository files. Error messages is removed.
- Project file upgraded to version 22

1.31
- Added the mode "automatic" to the list of MTDistributionServer definitions. Now MTProfileBuilder can find automatically the location and connectionstrings of MTDistributionServer.
- Solved a problem with importing bC configurations. Only the configurations for device 1 are imported.
- Added chapter 5.20
- Modified chapter 8, added settings for deleting profiles and support for MTDistributionServer.

1.32
- Added support for UC3 software 1.20.1
- Included TransUC3 2.1.10.0
- Included TransbC V101R005
- Solved a problem with importing UC3 configuration. Importing resulted in an endless loop during importing device profiles.
- Modified chapter 8.9.2
- Updated splashscreen to meet the Mettler Toledo Retail Suite look and feel.
- Modified ETICA detection in order to support ETICA version 1.10.2.0
- Modified bC profiles because of error in EventEngine definition.

1.33
- New ETICA engine (refactored version)
- Added support for ETICA 4500, ETICA 3300-C and ETICA 3300-H
- Added profile for ETICA version 1.10.2.0
- Solved an issue in creating templates when connected to MTDistributionServer.
- Added UC-EVO pictures
- Added explorer for ETICA devices

1.34
- Changed DIVA communication and errorhandling
- Start highresolutionmode on the scale from the GUI
- Added support for UC3 software 1.21.0

1.35
- UC-EVO scales do abort an installation when it takes more than 5 minutes. Therefor a modification has been implemented that the content of a repository is send in parts to the repository server. By doing it in parts, the watchdog will never be activated and the files are installed on the scale.

1.36
- Updated TransUC3 communication driver to version 2.1.11.0

- Updated TransbC communication driver to version V102R000
- bC profiles description modified for application 7
- Added French language file
- Added import to repository support for UC3 version 1.22.0
- Improved TransbC error handling in order to detect errors
- Integration of bCRemoteViewer for bC scales
- Communication parameters for TransbC can be defined (timeout for send, receive and report)

1.37
- Implemented support for serial communication to bC and MIRA/LP scales. In the settings screen you can define which communication driver you want to use for the communication to the bC and MIRA/LP scales.
- Implemented software download for bC/MIRA scales over a serial connection.
- Modified the scale parameters form when defining an emergency scale (Ctrl_+ Alt + I)
- Windows 8 compliant

1.38
- Added profile support for UC3 version 1.21.1
- Updated project file because of new indexes to version 23.Existing project files will automatically upgrade on the moment that you open it.

1.39
- Added profile support for bC software version 212
- Updated TransbC to version 103R000
- In the assignment form, the device profiles are the first tab shown
- Solved an issue that the demo (trial) license expired after 1 day
- Added support for L2 scales (starting with L2 version 440)
- Updated report generator because of message "Property ExportEMF does not exist"

1.40
- Updated all ETICA profiles
- Solved an issue with registry configuration for ETICA software > 1.10.2.0
- Implemented file-explorer using integrated FTP client for all ETICA operating systems (CE, WEPOS and WINXP). Currently only for Windows VISTA and newer operating systems

1.41
- Updated all ETICA profiles
- Solved an issue in sending data to an ETICA where database items from a new versions need to be send to an ETICA with an older version database.

1.42
- Updated all bC profiles in order to support the different MIRA applications
- Error creating emergency scale solved
- Added applications to create an emergency L2 or bC scale

1.43
- Updated TransbC communication driver to version 104R000
- Support for bC version 215
- Support for UC version 1.22

- Modified ETICA communication.
- Modified DIVA communicatie, supporting new functions

1.44
- Error solved where in certain situations the values are not stored in the project file.
- Error "$ is not a valid integer" solved when importing profiles from a bC scales.
- Password and username for linux scales (SSH, VNC and Networkshare) are definable now in document properties
- New Icon for MTProfileBuilder
- Restricted user does have access now to the document properties
- Updated TransUC3 driver to version 2.1.12.0
- File explorer for Linux scales implemented
- Import repository files directly from Linux scales implemented
- DSM (Technisch Dashboard) implementation
- Software download DIVA scales implemented
- Profile support for UC version 1.22.1

1.45
- Exception error solved when creating folders in device profiles
- When deploying repository packages to an UC scale lead to an error, the wrong error message was displayed.
- MTProfileBuilder crashed on Windows XP when DSM is installed due to missing prerequisite for DSM.
- The file filter is now set to *.hex when adding DIVA firmware files to the project.
- Solved "Cannot receive LID from DIVA scales"
- Changed setup so that prerequisites are downloaden from the internet instead of embedding them in the setup. The installer did shring from 100 Mb to 20 Mb.
- Improved DSM detection in order to switch between DSM license mode and MTProfileBuilder license mode.
- FTP client now explicity used binary as transfer method
- Enterprise license does show now if the user is an administrator or restricted user.
- Implemented recovery time for DIVA between commands.
- TransUC3 is updated to version 2.1.13.0
- UC-makesetupbat is updated to version 1.11
- Language files are updated.

1.46
- Solved a problem where MTProfileBuilder did generate an exception during start of the application
- Converting TransUC3 response to TransUC3 commands was not always correct for VAT, Delivery Note Customers and Key Assignment files
- Solved a problem for bC scales where it was not possible to define stopbits for the serial communication in the profile.

- Solved a problem for bC scales where energy parameters are not send to the scale.
- Disabled check for the DSM when MTProfileBuilder is installed on a x64 system (DSM is not supported on x64 environments)
- Error message when there is no active scale in the network during deploy of configurations.
- ARIVA scale is new to MTProfileBuilder

1.47

- Visual keyboard designer in order to define fix and variable keys for L2, MIRA and bC scales.
- Activation for receiving information from L2 scales
- Add (binary) field in project file in order to store property values.
- Add keyboardtype as part of the network exploration for bC / MIRA and L2 scales.
- Add possibility to remove a virtual scale.
- bC / MIRA and L2 emergency scales do now have a setting for defining the keyboard.
- Changed OnExit handlers to OnChange handlers in order to make the Ok button earlier activated then after pressing the tab or enter key.
- Create bC-maint-data.txt file direct from MTProfileBuilder.
- Disable scanning on IANA addresses (169.254.0.0 – 169.254.255.255).
- Modified ETICA profiles (GyroXOffset)
- Resolved issue with automatic detection of scales used in a multi-NIC environment.
- Extended TransL2 interpreter in order to handle HEX strings (wireless configuration bC)
- Extended TransL2 interpreter in order to handle InTouch configurations.
- L2, changed firmware filter to *.*
- L2, default data has not the possibility to import TransL2 formatted files.
- Restricted user did have access to prepared packages for DIVA scales. Issue solved now.
- It is now possible to create virtual bC scales from a template.
- Extended TransL2 interpreter in order to handle IP-addresses in TransL2-formatted style.
- Updated TransUC3 to version 2.1.14.0
- Updated TransbC to version 105R000
- Upgraded project to match new development environment
- Extended bC with codepage 857 (turkey)
- Added bC profile for version 218
- Added bC profile for version 216
- Added UC profile for version 1.23.0

1.48
- Support for multiple repositories for UC scales (introduction of filesets which can be connected to a repository)
- Added UC profile for version 1.24.0
- Added UltraVNC ActiveX control for eagle-scales (linux and windows). Older scales still use the "normal" ActiveX control due to compatibility issues.
- Fixed a problem that some DIVA scales do not synchronize during firmware upgrade (Windows 7 only).
- Department numbers on direct department keys are in wrong order (bC/MIRA/L2 scales)
- Support EAGLE hardware (Windows and Linux)

1.49
- Updated all customer.ini entries
- Cannot remove self created folders from the tree in the fileset
- Extended generated UC installation package with suffix name
- Extended generated UC installation package with date-time suffix
- Make embedding of customer.ini in generated packages definable in a fileset
- New language component in order to remove MIDAS.DLL from the installation package.

1.50
- Number of repository server in the independent configuration is 3 not 10. Profiles for UC version 1.23 / 1.24 updated
- Reading data from ETICA could end-up in endless loop
- When printing configuration reports for BASIC scales, Boolean values are not always printed correctly
- Traceability number is not transferred between PC and ETICA
- Files transferred over FTP are not overwritten if the same filename, but with different typo already exists (lowercase / uppercase)
- Software download over bC improved to 4 minutes using a serial connection.
- bC profile for verion 219 added.
- Exchanging QRCodes for UC added
- Profile for UC version 1.24 updated..
- TransUC3 updated for version 2.1.15.0
- Language files splitting between profile language files and application language files.
- Software download for bC and MIRA does not always start.

1.51
- Database version is not detectable for ETICA version 1.7.1.14
- Technician Dashboard intergration broken due to new server interface
- Export to TransUC3 format results in 0-byte file
- DSM authentication broken due to changes in technician dashboard
- MIRA communication needs department number for certain commands in header.

- Fallback to default software when package information is not available during repository import on a UC scale.
- Add device.department as variable to bC profile description (TransL2 interpreter)
- Add file information for UC version 1.24.0 to software descriptions
- Update TransbC to version 106R000
- Update TransbC to version 106R001
- Implement bC profile for version 220
- MTLicense does not show the right licensed scaletypes

1.52
- UC : Support up to 10 different inventories

1.53
- UC : Renumber inventory from 0..9 instead of 1..10
- ARIVA : Integrate licensing for VCODisp
- DSM : Change interface to WCF-SOAP

1.54
- UC : Index out of bounds (31) when more than 31 scales are in the list
- Error message when MTProfileBuilder cannot connect to FTP Server (10060)
- TransL2Commands can use prefix [and trailing] characters
- bC : Command 327 (currency) geimplementeerd
- bC : Profile support for version 213
- ARIVA : Re-activated sending country default value for ARIVA scales
- Updated database to schema version 30

1.55
- Update TransUC3 to version 2.1.16.0
- UC3 : Suffix on wrong position in prepared installation filename during distribution
- UC3 : 127.0.0.1 in repository profile in scale when no single fileset is assigned to repository
- UC3 : Updates configuration profiles for all profiles due to missing properties
- Add option 22024027 : fiscal regulation for UC (1.23, 1.24 and 1.25) to option_wizard_integration.
- Add AutoZero to Ariva profile.
- Communication buffer not cleared before sending configuration to ARIVA scale
- Enable "execute template" for basic scales
- Profile support for UC version 125
- UC3 : Import and export NutritionFacts table

1.56
- Error 213 during detection of MIRA and bC scales on certain configurations
- ARIVA firmware download
- BASIC scales is added to trial-license
- Importing files from repository now with individual lists for WEPOS and Windows 7 scales.
- Expand first child from UC filesets

- Add software file package description for UC 1.22.2, 1.23.0, 1.224.0 for Windows 7 UC scales.
- MTProfileBuilder on Windows 8.0 / 8.1 start screen.

1.57
- Support for UC version 1.26
- UC3 : Connect and receive parameters are configurable
- Update TransUC3 to version 2.1.17.0

1.58
- Type "host-ip", "0.0.0.0" is displayed as "000.0"
- Update TransUC3 to version 2.1.17.0 / Microsoft compiled
- Remove selection for TransUC3 driver / (exe / dll) in settings
- Profile support for bC version 222/223
- Type "regexpression" introduced in description file
- Profile support for UC version 127
- Update TransbC to version 107
- Update TransbC to version 108
- Changing foldername in prepared installation files, name is always 0 in editor
- View settings not saved and restored

1.59
- Missing properties in UC profiles 1.25.0, 1.26.0 and 1.27.0

1.60
- Property bEnableSellByDateOnDisplay (UC scale) is wrong defined in profile description.

1.61
- Update UC3Trs.dll (TransUC3 driver) to version 2.1.6.3
- TransL2 conversion error when sending keyboard definition as part of profile to bC scales.
- Update TransbC to version 109R000

1.62
- Text error for subtotallabel in UC profile version 1.27
- Extend fileset with "delete existing packages before deploy"
- UC profiles support for version 1.28.0
- Add scale-network-functions to all UC profiles
- Add number of turnoverlayers to UC scales auto detection
- Add number of maintenance days to UC scales auto detection
- New variable [$STOREID] added to UC scale network functions profiles
- New variable [$BRANCH] added to UC scale network functions profiles
- Database schame changes to version 31 (fileset delete before deploy function)

1.63
- When deleting folders in device definition, devices included in this folder are not deleted.
- Tarra settings ARIVA scales in wrong order
- Field FL_DeleteBeforeDeploy not created when creating new project
- Files part of an fileset are not deleted when fileset is deleted

- State shift-key indicated wrong on keyboardconfig printout (MIRA)
- Add department 1.. 16 to list of available bC/MIRA fields in listview

1.65.0
- UC3 V 1.29.0 profile and application support including Taf-backup server
- Update TransUC3 to version 2.2.24.6
- Update TransbC to version 112
- VNC, Explorer and FTP parameters added for Fresh
- Scale network not imported during reading all profiles
- Article proof of origin can be imported
- Limit profile names to 50 characters for ASM (as defined in TransUC3 documentation)
- Do not scan for MTDistributionServer on IANA addresses.
- Dump content of fileset to a directory

8.9.2 Project file version

The meaning of this table is to display which project files are compatible in which versions. An application with a new project file version can always open an older project file. However, **the project file is upgraded automatically to the new format**. This means that once a project file is upgraded you cannot open it with on an older version MTProfileBuilder.

Version	Project file version
1.22	21
1.23	21
1.24	21
1.25	21
1.26	21
1.27	21
1.28	21
1.29	21
1.30	22
1.31	22
1.32	22
1.33	22
1.34	22
1.35	22
1.36	22
1.37	22
1.38	23
1.39	23
1.40	23
1.41	23
1.42	23

1.43	23
1.44	23
1.45	23
1.46	23
1.47	24
1.48	25
1.49	26
1.50	28
1.51	28
1.52	29
1.53	29
1.54	30
1.55	30
1.56	30
1.57	30
1.58	30
1.59	30
1.60	30
1.61	30
1.62	31
1.63	32
1.63.1	32
1.63.2	32
1.63.3	32
1.63.4	32
1.63.5	32
1.64.0	32
1.64.2	33
1.65.0	34

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www.mt.com/service

For more information

Mettler-Toledo (Albstadt) GmbH
D-72458 Albstadt
Unter dem Malesfelsen 34
Tel. +49 07431 14 0
Fax +49 07431 14 232

Bestellnummer ME-NR