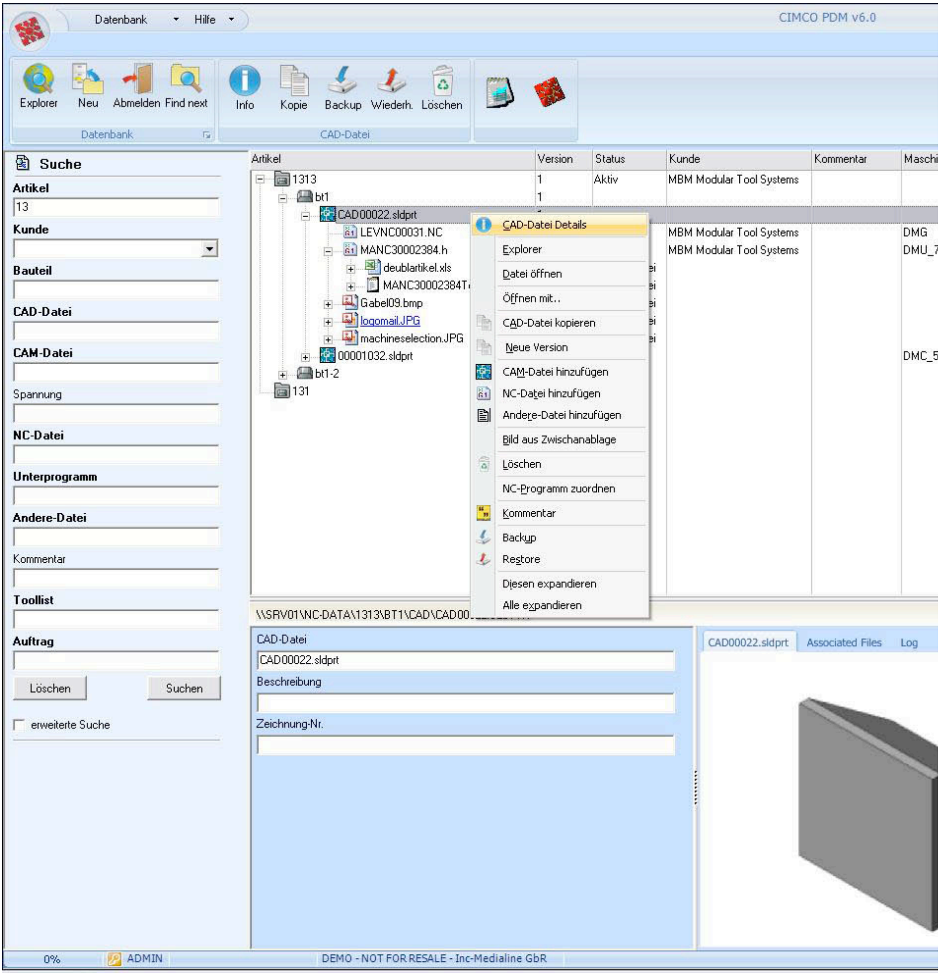
CIMCO PDM User Guide



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Artikel	Version	Status	Kunde	Kommentar	Maschi
1313	1	Aktiv	MBM Modular Tool Systems		
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Gabel09.bmp					
logomail.JPG					
machineselection.JPG					
00001032.sldprt					DMC_5
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Contents

What is CIMCO PDM?

CIMCO PDM is a data management tool for organizing and managing CAM-files and related production documents. It is highly customizable and can be configured exactly to match your existing production workflow.

With CIMCO PDM you get all the functionality you would expect from a modern information management system and then some. It allows you to gather, structure and centralize your production documents. Transfer production documents e.g. setup sheets, tool lists, pictures and other essential information directly to the shop floor. Manage permissions for users and groups and centralize the backup and recovery of documents from previous versions.

Structuring production documents in CIMCO PDM works similar to how you structure files in e.g. Microsoft Windows - with folders and sub-folders. CIMCO PDM, however, allows you to specify exactly what types of files can be added to your folders and who has permission to do so. This ensures that your files will always be placed in the right folders in your structure.

CIMCO PDM, however, works with the concept of “levels” instead of folders. Levels can contain sub-levels and production documents can be associated with levels in several ways, such as physically copying or simply linking to documents in their existing location on a hard disk or network share. You can associate all types of production documents to a level such as images, tool lists, setup sheets, inspection notes, etc. or create them automatically by letting CIMCO PDM analyze the data contained in e.g. your CNC program.

CIMCO PDM has a lot more to offer than what has been outlined above. Its flexible and highly configurable nature makes it adaptable to any existing setup or workflow.

Installation and first run

Under the hood CIMCO PDM utilizes the powerful CIMCO NC-Base Database Server and CIMCO PDM Server as an intermediate layer for handling the communication between CIMCO PDM and the NC-Base Database Server.

CIMCO PDM
|
CIMCO PDM Server
|
CIMCO Database Server

In order to get CIMCO PDM up and running you need to install both CIMCO PDM and CIMCO Database Server. Both are available for download at www.cimco.com, but require a valid activation keyfile to run. CIMCO Database Server is installed as part of CIMCO Software Version 6.

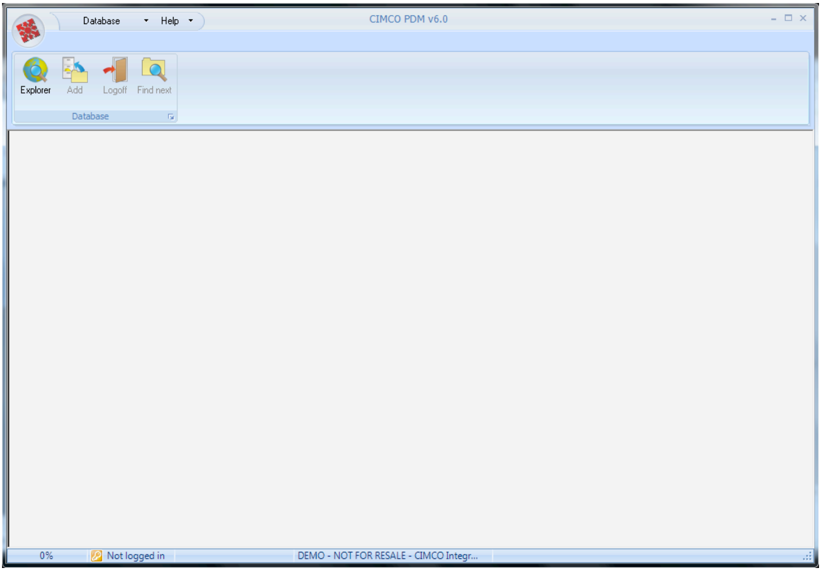
Once you have completed installation and activation of CIMCO PDM and CIMCO NC-Base Database Server you need to start both the NC-Base Database Server and CIMCO PDM Server. It is important you do this in the right order as described below:

Note: In Windows 7 and Vista you need to right-click and select “Run as Administrator”.

1. Navigate to folder CIMCO, then to folder NCBase6. Run NCBaseServer and click the “Start” button to start the server.
2. Navigate to folder CIMCO, then to folder PDM6. Run PDMSetup and click “Start Server”.
3. In folder PDM6, run CIMCO-PDM

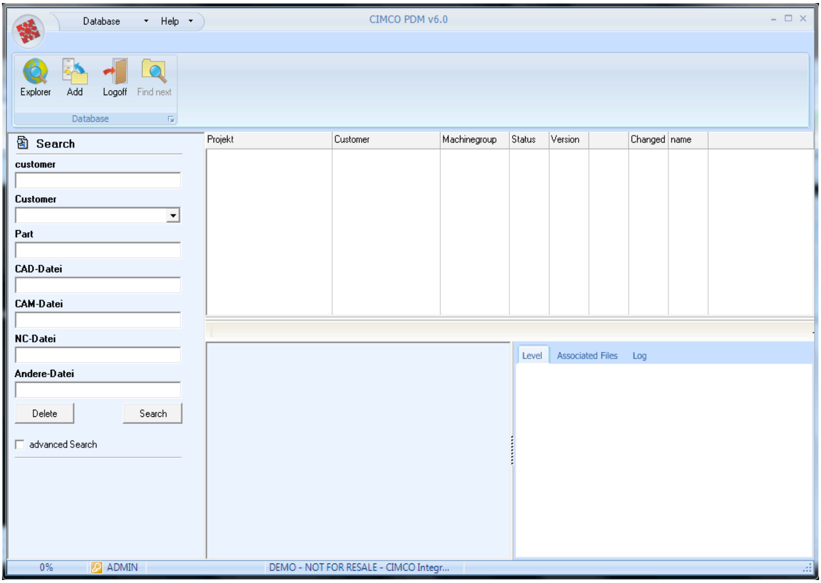
The first time you run the above you will be prompted for an activation keyfile. If you do not have a keyfile please contact your local reseller or CIMCO Integration directly.

When you run CIMCO PDM you will be presented with the following screen. The upper part contains the “Database” toolbar and menus and the lower part contains a blank area reserved for the PDM “Explorer”.



1. Click on “Explorer” in the “Database” toolbar
2. Logon as “ADMIN” and leave the password field empty

If logon was successful you will see the following screen and can start using CIMCO PDM.



Program Overview

In CIMCO PDM the screen is divided into two areas containing the "Menus and toolbars" and the "Explorer". The topmost area contains the menus and toolbars. These are dynamic and change depending on what is selected in the Explorer. The large area underneath contains the Explorer with its Search panel (left), Explorer View (top, right) and Database Preview (bottom, right).

Menus and toolbars

CIMCO PDM Icon

Clicking this opens a small window with a shortcut to the Explorer and Database Configuration.

Database and Help (top menu)

Positioned at the very top of the screen the "Database" and "Help" menus provide easy access to adding new projects, managing customers, accessing the Online Help and the About dialog.

Explorer

By clicking the “Explorer” icon you can logon to the Explorer. In the Logon dialog you first select the user you want to logon with and then supply the correct password. The Explorer will open once logon is successful.

Add

By clicking the “Add” icon you can add a new root-level entry to the Explorer View. By default the root-level entry is called “Project”, but this can easily be re-configured if you have different naming requirements.

Clicking “Add” by default brings up the Project dialog where Project name, Customer and Status is entered. In the Database Configuration under Level Settings you can add more database fields if needed and these will show in the Project dialog as well.

Logoff

Clicking the “Logoff” icon closes the Explorer and logs off the user.

Find next

If a search, using the Search panel, results in more than one result, the “Find next” icon will show the next result in the Explorer View. That way you can easily move through your search results.

Info

Clicking the “Info” icon brings up a dialog with the information and database fields for the level or document selected in the Explorer View. This can also be achieved by double-clicking a level in the Explorer View. You can change the information if needed and save/close the information by clicking the “OK” button.

Copy

Clicking the “Copy” icon makes a copy of the level or document selected in the Explorer View. Insert the copy by right-clicking the level in the Explorer View to which it should be inserted and click “Insert”.

Backup

Clicking the “Backup” icon makes a backup of the selected level and its sub-levels in the Explorer View. Verify that the backup has been performed by clicking the “Restore” icon. This brings up the Restore dialog with a list of the backups.

Restore

Clicking the “Restore” icon opens the Restore dialog. This shows the backups that have been created for the selected level in the Explorer View. Select the backup you wish to restore and click “Restore”.

Send

Clicking the “Send” icon transfers the selected document in the Explorer View to a predefined machine. Machines can be configured in the Database Configuration dialog.

Lock / Unlock

Clicking the “Lock” or “Unlock” icon locks/unlocks the selected level or document for editing by other users.

Delete

Clicking the “Delete” icon deletes the selected level or document and everything associated with it.

Explorer

Search panel

The Search panel is positioned in the left side of the Explorer. Fill out any or all of the fields available and click the “Search” button. The search results will show in the Explorer View and you can navigate through them using the “Find next” icon in the toolbar. Click the “Delete” button to clear all the search fields.

The available search fields can be customized in the Database Configuration dialog. The “Advanced Search” checkbox at the bottom shows the date fields for searching by dates or time periods.

Explorer view

The Explorer View is positioned in the top-right side of the Explorer. The first column in the Explorer View shows your root-level entries. By default these are called Projects and can be expanded by clicking the small (+) icon next to a project name. This reveals any sub-level documents and these can again have sub-level documents beneath them. There is no limit as to how many levels can exist.

The Explorer View also contains a number of additional columns with details for the documents in the first column e.g. Customer name, Machine group and Status. The columns shown can be configured in the Database Configuration dialog.

Double-clicking a level in the Explorer View brings up a dialog with the information and database fields for that level. Double-clicking a document opens it in an external program e.g NC-programs open in CIMCO Edit while CAD files open in Mastercam - this is completely configurable.

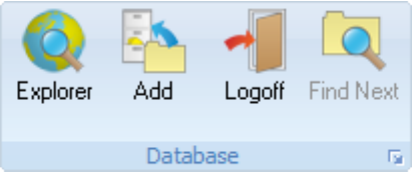
Right-clicking a document in the Explorer View brings up a contextual menu with relevant functions for that document. Many of the functions in the contextual menu have already been explained above.

Database Preview The Database Preview is positioned in the bottom-right side of the Explorer. It provides a dynamic preview of the selected level or document in the Explorer View. The amount of information depends on the selected level or document in the Explorer View. The left side of the Database Preview shows the related database fields and information. The right side shows a preview of the contents of the selected document. It also provides an overview of the documents associated with the selected document (documents in sub-levels). Finally it provides a Log with history tracking of changes to the particular document.

The Database Configuration

All dialogs in the Database Configuration are accessed as follows:

To launch the Database Configuration dialog, either click on the CIMCO Icon to open the Shortcut Window and then on the Database Configuration Icon , or directly click the small Dialog Launch Icon in the lower right corner of the Database Toolbar.



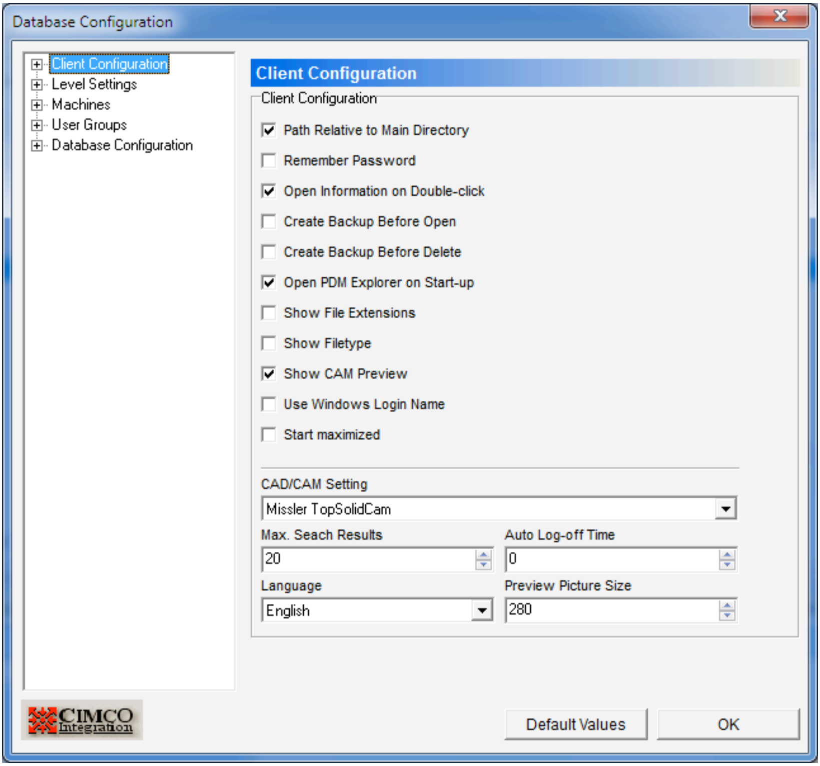
The Database Toolbar

> **Note:** To be able to configure the database you must have access to the PC where the PDM Client is installed, as well as administrator access to the database.

Now, in the dialog tree in the left window of the appearing dialog, click the dialog you want to view/edit. Expand the dialog tree as needed by clicking "+".

Client Configuration

The PDM Client is the interface to the database.



Client Configuration

Client Configuration

☑ Path Relative to Main Directory

☐ Remember Password

☑ Open Information on Double-click

☐ Create Backup Before Open

☐ Create Backup Before Delete

☑ Open PDM Explorer on Start-up

☐ Show File Extensions

☐ Show Filetype

☑ Show CAM Preview

☐ Use Windows Login Name

☐ Start maximized

CAD/CAM Setting: Missler TopSolidCam

Max. Seach Results: 20

Auto Log-off Time: 0

Language: English

Preview Picture Size: 280

The Client Configuration dialog

Client Configuration

Path Relative to Main Directory

Check this box to specify the path to be relative to the main directory.

Remember Password

Check this box to log on automatically.

Note: This option will deactivate automatic log-off.

Open Information on Double-Click

When this box is checked, double-clicking a level will show its details. If the object is a file, the double-clicking will cause the associated program to open it. Associated programs can be set in the Default Program control panel.

Create Backup Before Open

Checking this box will automatically create a back-up of a file before it is opened.

Create a Backup Before Delete

Checking this box will automatically create a back-up of a file before it is deleted.

Open PDM Explorer on Start-up

Check this box to have the PDM Explorer automatically open on start-up.

Show File Extensions

Check this box to show file name extensions in the Explorer.

Show File Type

Check this box to show file type in the Explorer.

Show CAM Preview

If this box is checked a preview of the associated machine is shown.

Use Windows Login Name

Use same login name as for Windows.

CAD/CAM Setting

Select which application is used to show CAD/CAM images.

Max. Search Results

Enter a number here to limit the maximum number of search results presented in the explorer.

Auto-Logoff Time

Specifies the time in minutes that you will stay logged-in without keyboard entries or mouse movements. Zero (0) de-activates Auto-Logoff.

Note: This option is not available when the option "Remember Password" is active.

Language

From the list, select the language that you want CIMCO PDM to use.

Preview Picture Size

Defines the width of the pictures pre-viewed from levels.

Default Values

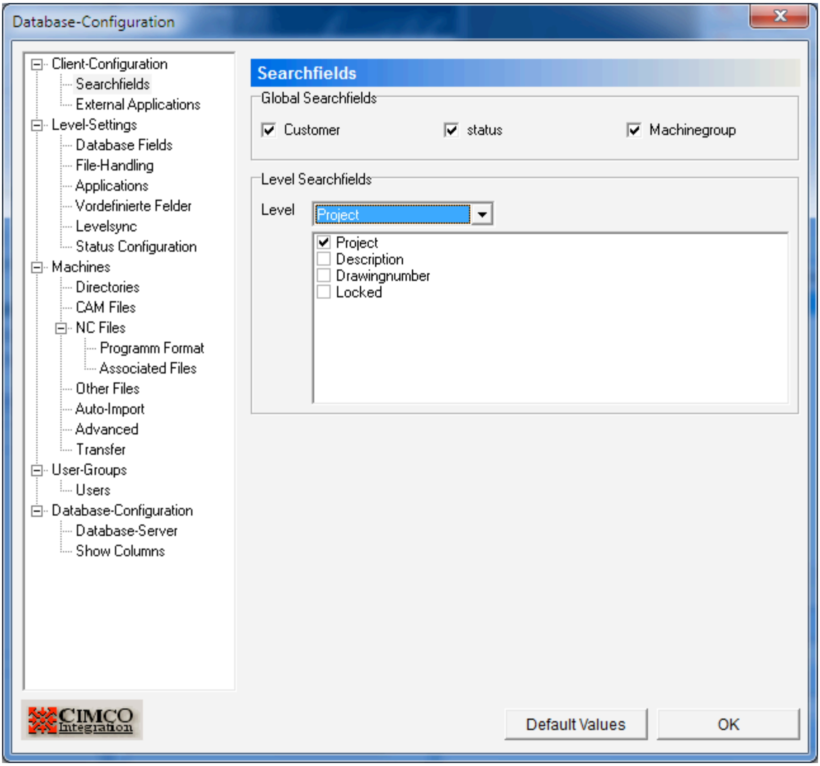
Click this button to return to default values.

OK

Click OK to accept settings.

Search Fields

This dialog is where you customize your Search Panel to show the search fields you want to use. In the dialog the search fields have been divided into two groups, Global and Level. All refer to what is shown in the Explorer View, depending on your Explorer View settings.



Searchfields

Global Searchfields

☑ Customer ☑ status ☑ Machinegroup

Level Searchfields

Level: Project

☑ Project
☐ Description
☐ Drawingnumber
☐ Locked

The Search Fields dialog

Global Search Fields

Customer

Check this field to activate the Customer search field in the Explorer Search Panel.

Status

Check this field to activate the Status search field in the Explorer Search Panel.

Machine Group

Check this field to activate the Machine Group search field in the Explorer Search Panel.

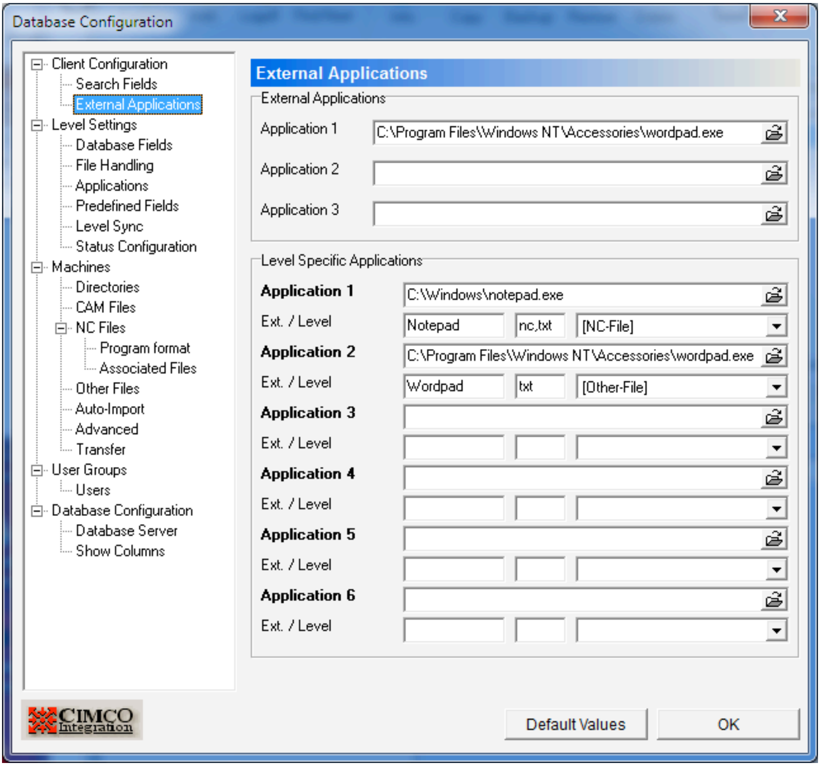
Level Search Fields

Level

From the scroll-down menu, select a level. In the pane below, one or more boxes within each level can be checked to make the corresponding sub-level searchable from the Search Panel.

External Applications

This is where you determine, which external applications should be executable from within CIMCO PDM, and which external applications you want to be able to open your files when right-clicking levels (the "Open with..." function).



External Applications

External Applications

Application 1: C:\Program Files\Windows NT\Accessories\wordpad.exe

Application 2:

Application 3:

Level Specific Applications

Application 1: C:\Windows\notepad.exe
Ext. / Level: Notepad | nc,txt | [NC-File]
Application 2: C:\Program Files\Windows NT\Accessories\wordpad.exe
Ext. / Level: Wordpad | txt | [Other-File]
Application 3:
Ext. / Level:
Application 4:
Ext. / Level:
Application 5:
Ext. / Level:
Application 6:
Ext. / Level:

The External Applications dialog

External Applications

Application 1, 2, and 3

Enables easy start of up to 3 external applications from inside CIMCO PDM's menu.
Enter path or browse for the executable file of the preferred application.
An icon of the application will be placed in the toolbar section next time you run CIMCO PDM.

Level Specific Applications

Applications 1 through 6

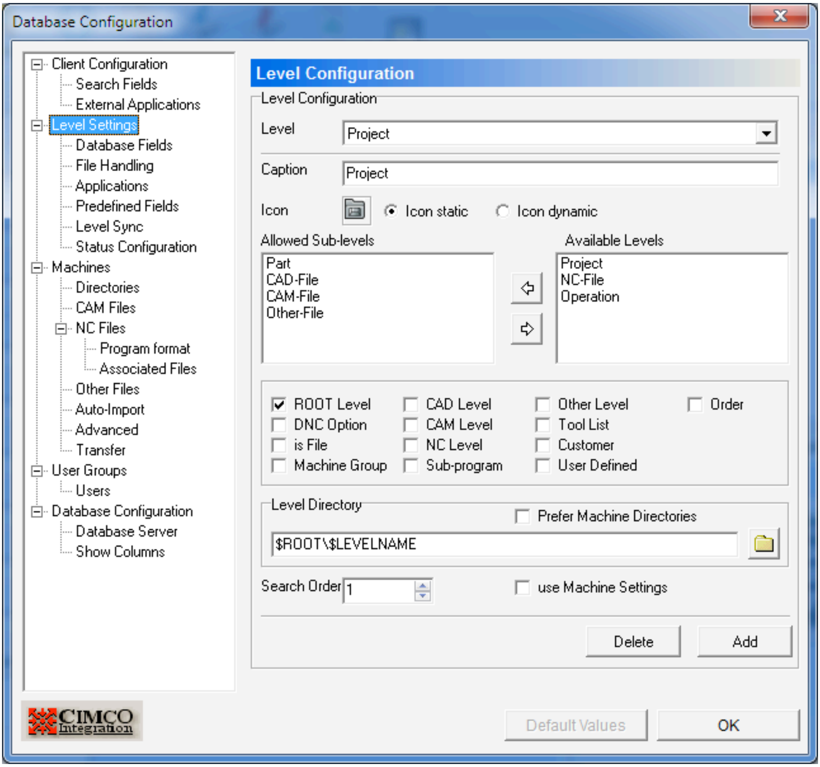
Enter path or browse for the executable file of the preferred application.

Ext. / Level

In the first field, type your name for the application.
In the second field, type which file extensions are allowed to be opened using the specified application (nc, txt, jpg, ...).
From the list in the third field, select at which levels the application can be executed.

Level Settings

This dialog is where you define levels – their names, icons, how they are related, and where they are found.



Level Configuration

Level: Project

Caption: Project

Icon: ● Icon static ○ Icon dynamic

Allowed Sub-levels	Available Levels
Part CAD-File CAM-File Other-File	Project NC-File Operation

☑ ROOT Level	☐ CAD Level	☐ Other Level	☐ Order
☐ DNC Option	☐ CAM Level	☐ Tool List	
☐ is File	☐ NC Level	☐ Customer	
☐ Machine Group	☐ Sub-program	☐ User Defined	

Level Directory ☐ Prefer Machine Directories

$ROOT\$LEVELNAME

Search Order: 1 ☐ use Machine Settings

The Level Settings/Level Configuration dialog

Level Configuration

Level

From the list, select the level to be configured.

Caption

Write/edit the name of the level.

Icon

Click on the icon to select a new one from file.

Icon Static/Icon Dynamic

Toggles if the icon is allowed to move, change shape, style, form, position, or colour.

Allowed Sub-levels

The sub-levels assigned to this level, as selected from:

Available levels

The pool of levels that have not already been selected for the "Allowed Sub-levels" group.

Level Description

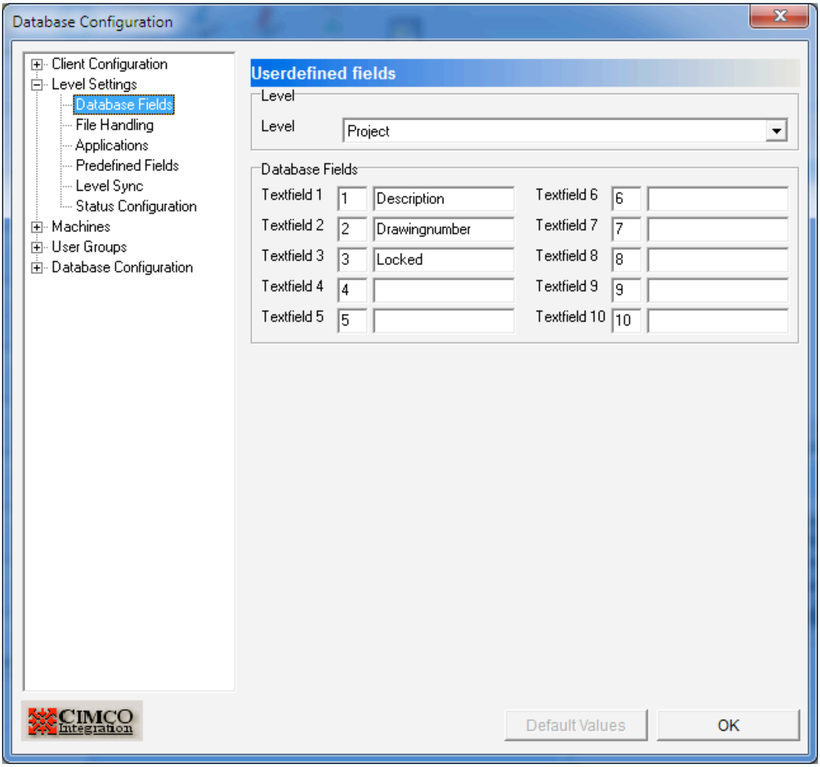
Select parent level and level type.

Level Directory

Here is default entered the variables for Root and Levelname, but an absolute placement can be browsed by clicking the Folder icon 📁, or you can check Prefer Machine Directories, which will use the directories configured in the machine configuration.

Database Fields

Database fields can be used to set up user defined database fields for the selected level.



Level

Level: Project

Database Fields

Textfield 1: 1 Description

Textfield 2: 2 Drawingnumber

Textfield 3: 3 Locked

Textfield 4: 4

Textfield 5: 5

Textfield 6: 6

Textfield 7: 7

Textfield 8: 8

Textfield 9: 9

Textfield 10: 10

The Database Fields/User-defined fields dialog

Level

Level

Select level from the list.

Database Fields

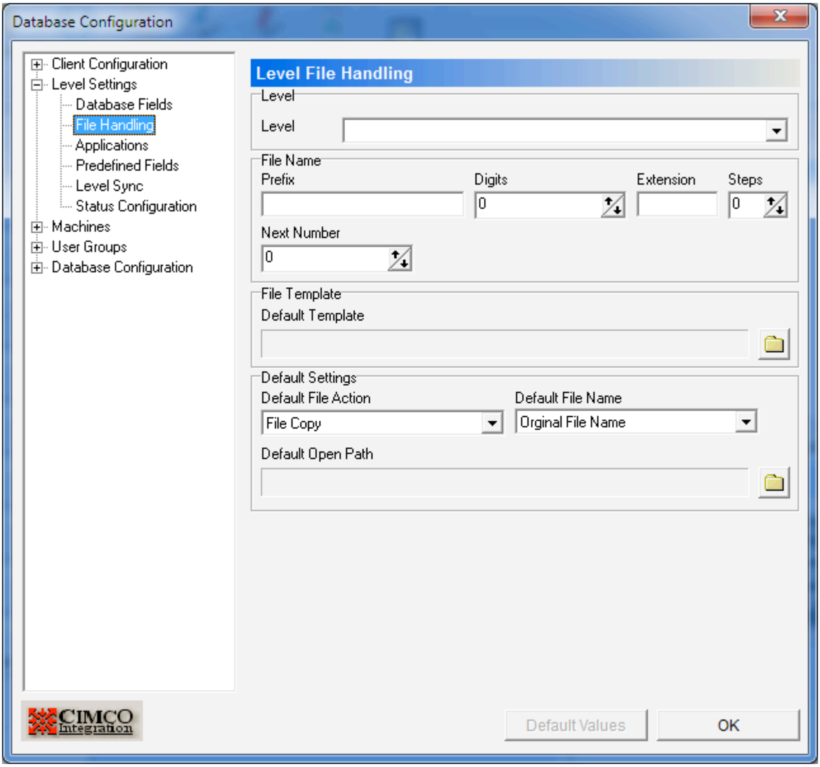
Database Fields

Enter field names in database fields.

OK
Click OK to accept settings.

Level File Handling

For all levels that contain a file you can configure how the filename should be generated, assign a default file template, and define the standard behaviour when the file is added.



Digits: 0

Steps: 0

Next Number: 0

Default File Action: File Copy

Default File Name: Orginal File Name

The Level File Handling dialog

Level

Level

Select the level file name from the list.

File Name

File Name Prefix

In this field you enter the prefix to the file name.

Digits

The number of digits in the file name. If you enter the value "5" the file names – between the prefix and extension entered – will be 00001, 00002, etc.

Note: This function is used for the generation of file names and is only active when "Generate File Name" is selected in the field "Default File Name" of the below section "Default Settings".

Extension

The file name extension you want to be default.

Steps

The number with which you want each new file name - as generated using the number of digits specified under "Digits" – to be higher than the preceding file name. An increment value of 5 would cause the file names to be created as 00005, 00010, 00015, etc.

Next Number

Enter the next number to be generated.

File Template

Default Template

The template directory for this machine.

Click on the folder icon 📁 to specify a directory.

Default Settings

Default File Action

Select from the list what should happen to Level files when stored in the database.

Default File Name

Select from the list how Level files should be named when stored in the database.

Default Path

The default path from which files should be opened.

Click on the folder icon 📁 to specify a directory.

Default Values

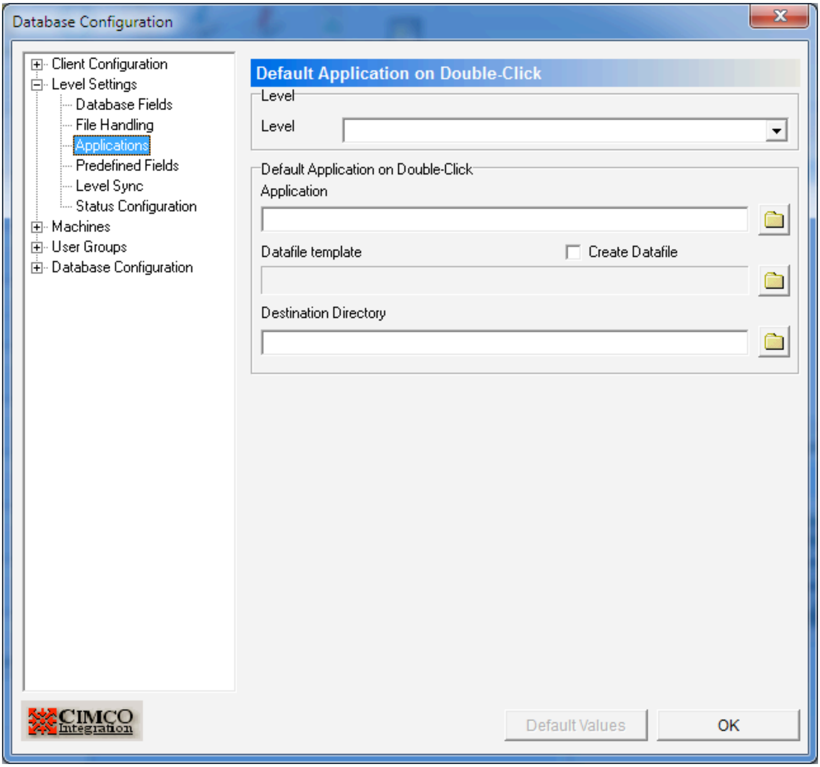
Click this button to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Applications

For every level that contains a file, a default application can be set up that is used to open the file on double click.



The Applications/Default Application on Double-Click dialog

Level

Level

Select the level file name from the list.

Default Application on Double-Click

Application

Enter the path of the preferred application, or click on the folder icon 📁 to browse for it.

Create Datafile

Check this box to automatically have a datafile created.

Datafile Template

When "Create Datafile" is checked, in this field enter the path of the preferred template, or click on the folder icon 📁 to browse for it.

Destination Directory

When "Create Datafile" is checked, in this field enter the path of the destination directory, or click on the folder icon 📁 to browse for it.

Default Values

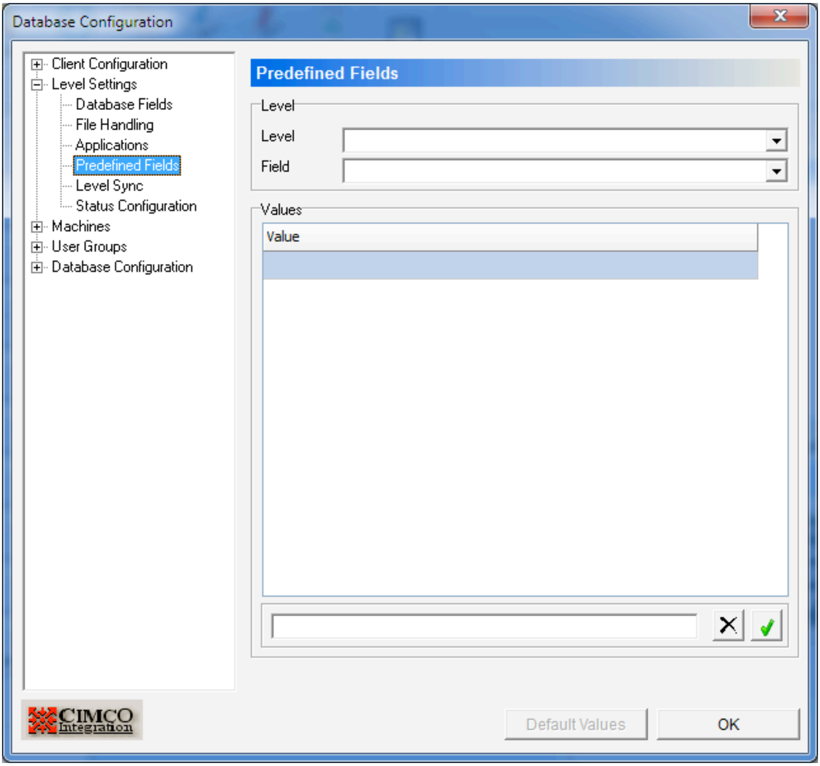
Click this button to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Predefined Fields

Once a database field is set up predefined values can be configured.



The Predefined Fields dialog

Level

Level

Select level from list.

Field

Select field from list.

Values

Value

Select predefined value or write a new one in the bottom field, enter by clicking on the check mark button ✓.

Default Values

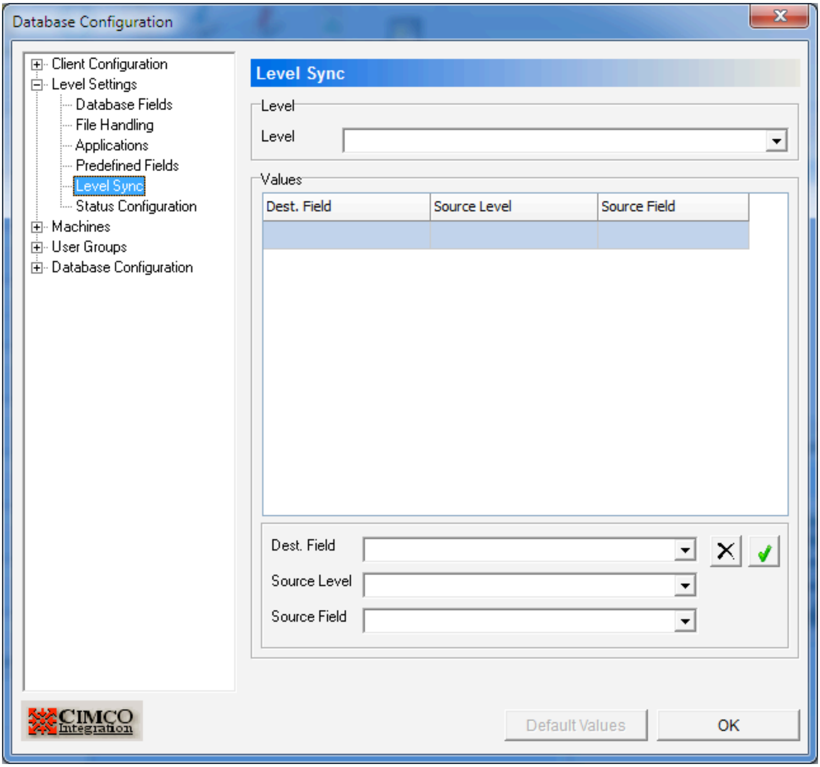
Click this button to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Level Sync

If there are two or more database fields with the same meaning in different levels, these can be synchronised to avoid unnecessary manual entries.



The Level Sync dialog

Level

Level

Select level from list. This is the destination level for the selections made below.

Values

Select from lists to enter the values for Destination Field, Source Level, and Source Field respectively.

Dest. Field

Select destination field.

Source Level

Select source level.

Source Field

Select source field.

Enter selections by clicking on the check mark button ✓.

Default Values

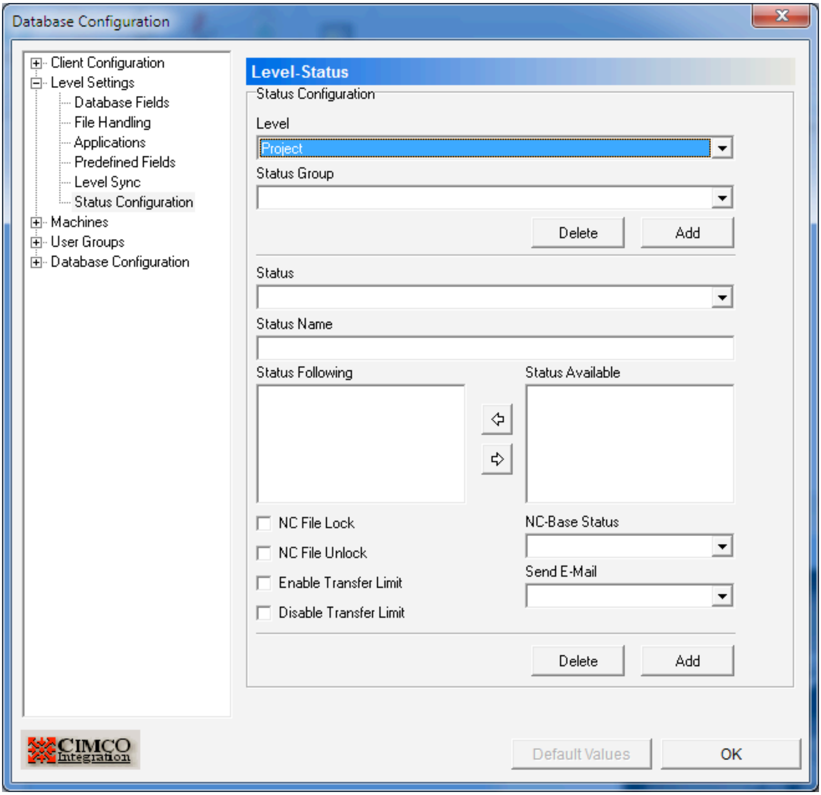
Click this button to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Status Configuration

For every single level an unlimited count of status can be set up, each containing actions like locking NC files or set a transfer limit. It is also possible to send emails when a status changes.



Level: Project

☐ NC File Lock
☐ NC File Unlock
☐ Enable Transfer Limit
☐ Disable Transfer Limit

The Status Configuration/Level Status dialog

Status Configuration

Level

Select level from list.

Status Group

Select status group from list.

Delete

Delete selected status group.

Add

Add a status group.

Status

Select a status from list.

Status Name

Create status name.

Status Following

Allowed status to change to.

Status Available

List of available status for the selected level.

NC File Lock

Lock NC file when status gets active.

NC File Unlock

Unlock NC file when status gets active.

Enable Transfer Limit

Enable transfer limit for NC file when status gets active.

Disable Transfer Limit

Disable transfer limit for NC file when status gets active.

NC-Base Status

Change NC-Base status for NC file when status gets active.

Send E-mail

Select from list the user group to receive emails on status changes.

Delete

Delete status.

Add

Add status.

Default Values

Click this button to insert the default values in all fields.

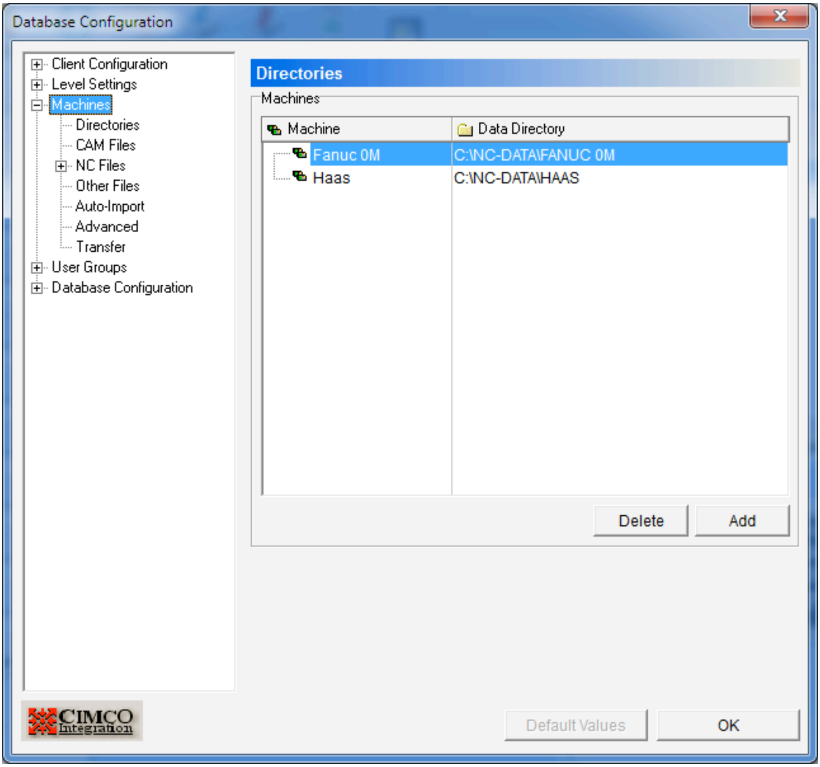
OK

Click OK to confirm the values and close the dialog.

Machines

The Machines dialog offers functions to connect a defined group of machines to a DNC interface (DNC-Max).

In CIMCO PDM you can dedicate projects, CAD files, CAM files, NC programs to a certain group of machines, which again is tied to a DNC interface. Directly from the control, you can then store NC programs in the database as well as request them (only possible with the DNC-Max functions Auto-Receive and Remote Request).



Machine	Data Directory
Fanuc 0M	C:\NC-DATA\FANUC 0M
Haas	C:\NC-DATA\HAAS

The Machines dialog

Machines

A list of the machines stored in the database.

Machine

The name of the machine group.

Data Directory

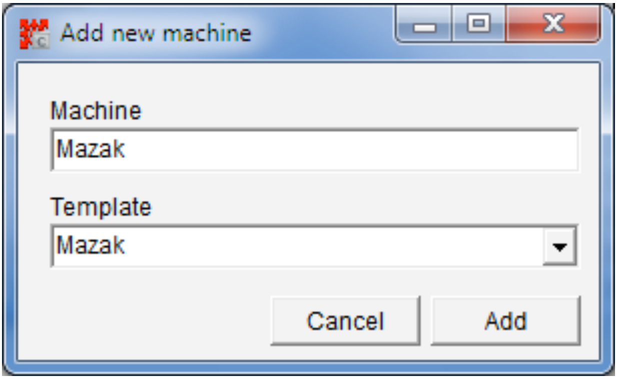
Shows the path of the Data Directory.

Delete

Click this button to delete the machine group highlighted in the list.

Add

Click this button to add a machine group to the list. The following dialog appears:



Machine: Mazak

Template: Mazak

The Add New Machine dialog

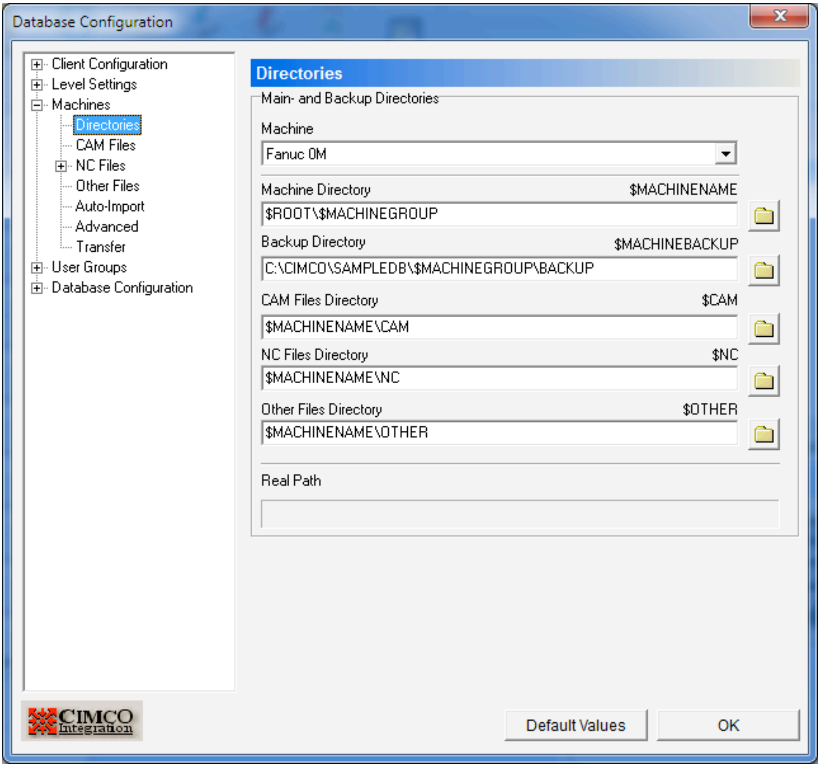
Give the machine group an indicative name and complete by clicking "Add". The Add New Machine dialog will disappear and your new machine group is added to the Machines dialog.

OK

Click OK to confirm the new Machines set-up and close the Database Configuration dialog.

Directories

In this dialog you define the environment variables for storing CAM-, NC-, and other files.



Directories

Main- and Backup Directories

Machine: Fanuc 0M

Machine Directory ($MACHINENAME): $ROOT\$MACHINEGROUP

Backup Directory ($MACHINEBACKUP): C:\CIMCO\SAMPLEDB\$MACHINEGROUP\BACKUP

CAM Files Directory ($CAM): $MACHINENAME\CAM

NC Files Directory ($NC): $MACHINENAME\NC

Other Files Directory ($OTHER): $MACHINENAME\OTHER

Real Path

The Directories dialog

Main- and Backup Directories

Machine

A list of the machine groups stored in the database. Select a machine group to specify the corresponding directories.

Machine Directory

The start directory for this machine interface.

The *$MACHINENAME* variable will take the value entered here. All other variables for interface directories are default defined in relation to the *$MACHINENAME* variable.

The initial value is *$ROOT\$MACHINEGROUP*.

Click on the folder icon to specify a directory.

Backup Directory

Default value is *$MACHINENAME\BACKUP*.

Click on the folder icon to specify a directory.

CAM Files Directory

Default value is *$MACHINENAME\CAM*.

Click on the folder icon to specify a directory.

NC Files Directory

Default value is *$MACHINENAME\NC*.

Click on the folder icon to specify a directory.

Other Files Directory

Default value is *$MACHINENAME\OTHER*.

Click on the folder icon to specify a directory.

Real Path

When the cursor is placed in any of the directory variable fields, Real Path shows which actual path the variable refers to.

Default Values

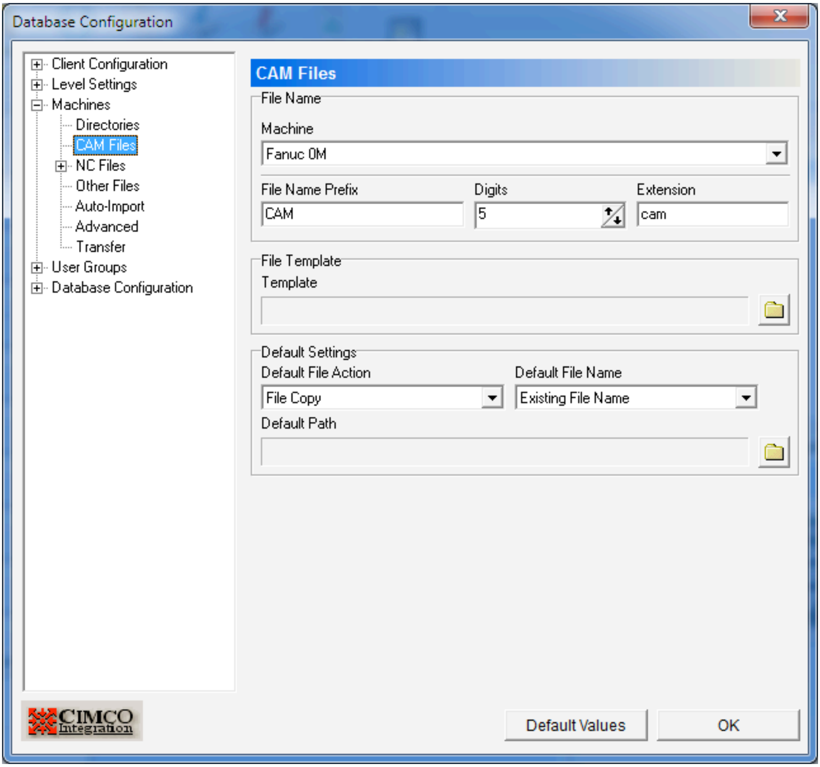
Click Default Values to insert the default values in all the directory fields.

OK

Click OK to confirm the Directories values and close the dialog.

CAM Files

In this dialog you define how the names of CAM files and their templates are handled.



Machine: Fanuc 0M

File Name Prefix: CAM

Digits: 5

Extension: cam

Default File Action: File Copy

Default File Name: Existing File Name

The CAM Files dialog

File Name

Machine

Lists the machines stored in the database. Select a machine from the list to edit its CAM files set-up.

File Name Prefix

In this field you enter the prefix to the file name.

Digits

The number of digits in the file name. If you enter the value "5" the file names – between the prefix and extension entered – will be 00001, 00002, etc.

Note: This function is used for the generation of file names and is only active when "Generate File Name" is selected in the field "Default File Name" of the below section "Default Settings".

Extension

The file name extension you want to be default.

File Template

Template

The template directory for this machine.

Click on the folder icon 📁 to specify a directory.

Default Settings

Default File Action

Select from the list what should happen to CAM files when stored in the database.

Default File Name

Select from the list how CAM files should be named when stored in the database.

Default Path

The default path from which files should be opened.

Click on the folder icon 📁 to specify a directory.

Default Values

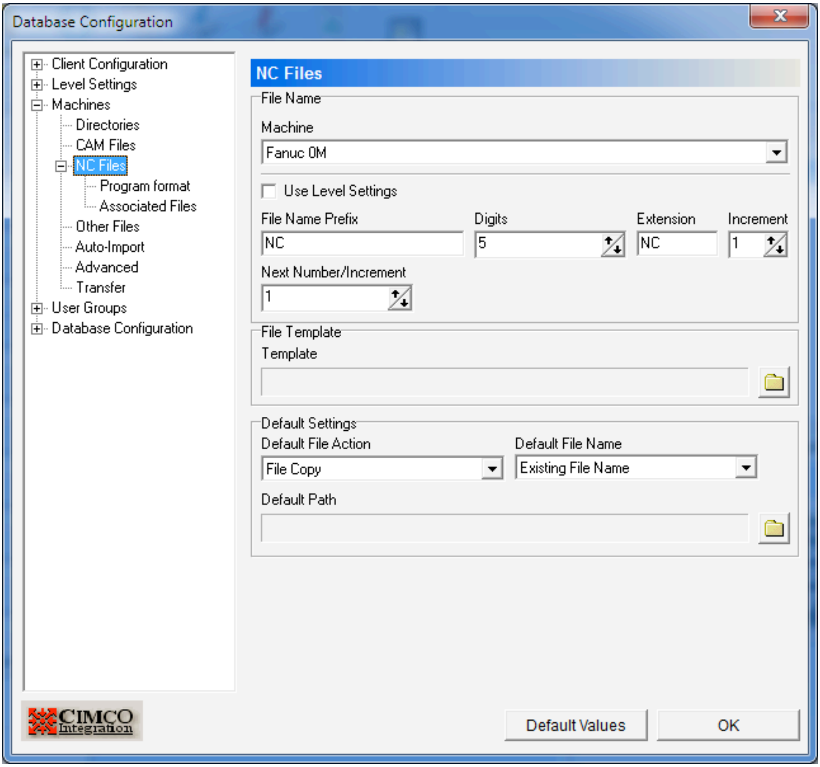
Click Default Values to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

NC Files

In this dialog you define how the names of NC files and their templates are handled.



Machine: Fanuc 0M

☐ Use Level Settings

File Name Prefix: NC

Digits: 5

Extension: NC

Increment: 1

Next Number/Increment: 1

Template:

Default File Action: File Copy

Default File Name: Existing File Name

Default Path:

The NC Files dialog

File Name

Machine

Lists the machines stored in the database. Select a machine from the list to edit its NC files set-up.

Use Level Settings

Use the same settings as are stored under Level Settings/File Handling (see this dialog).

File Name Prefix

In this field you enter the prefix to the file name.

Digits

The number of digits in the file name. If you enter the value "5" the file names – between the prefix and extension entered – will be 00001, 00002, etc.

Note: This function is used for the generation of file names and is only active when "Generate File Name" is selected in the field "Default File Name" of the below section "Default Settings".

Extension

The file name extension you want to be default.

Increment

The number with which you want each new file name - as generated using the number of digits specified under "Digits" – to be higher than the preceding file name. An increment value of 5 would cause the file names to be created as 00005, 00010, 00015, etc.

Next Number/Increment

Enter the next number to be generated.

File Template

Template

The template directory for this machine.

Click on the folder icon 📁 to specify a directory.

Default Settings

Default File Action

Select from the list what should happen to CAM files when stored in the database.

Default File Name

Select from the list how CAM files should be named when stored in the database.

Default Path

The default path from which files should be opened.

Click on the folder icon 📁 to specify a directory.

Default Values

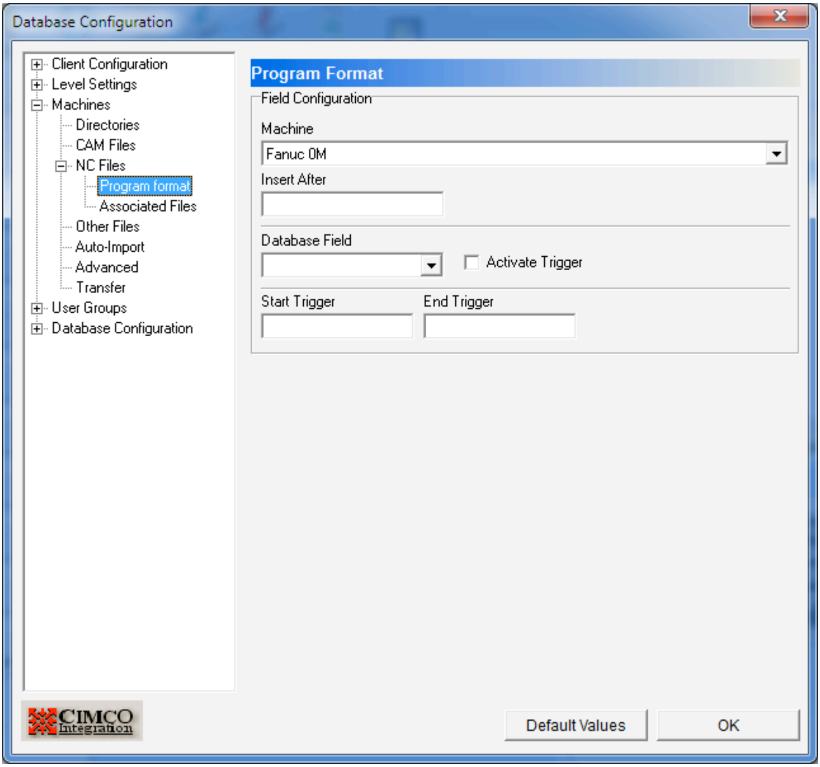
Click Default Values to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Program Format

In this dialog you define how the names of NC files and their templates are handled.



Machine: Fanuc 0M

☐ Activate Trigger

The Program Format dialog

Field Configuration

Machine

Lists the machines stored in the database. Select a machine from the list to edit its NC files set-up.

Insert after

The line in the NC file, after which the contents of the selected database field should be inserted.

Database Field

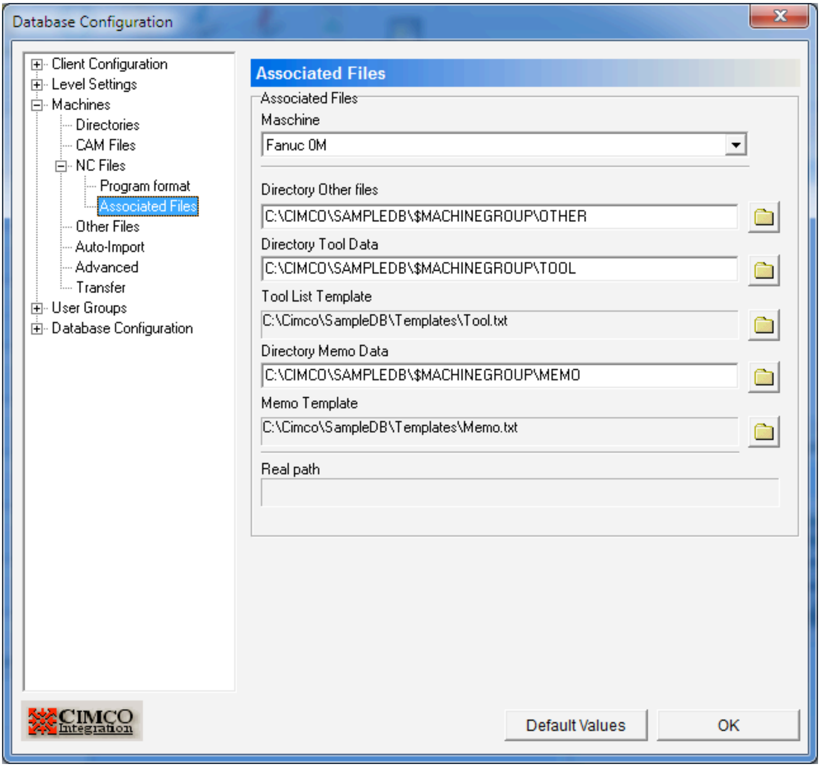
Select from the list the database field, the contents of which should be inserted.

Activate Trigger

Check this box to activate the trigger specified in "Start Trigger"/"End Trigger" in the below sub-section.

Associated Files

In this dialog you define where the associated files and their templates are placed.



Associated Files

Associated Files

Maschine: Fanuc 0M

Directory Other files: C:\CIMCO\SAMPLEDB\$MACHINEGROUP\OTHER

Directory Tool Data: C:\CIMCO\SAMPLEDB\$MACHINEGROUP\TOOL

Tool List Template: C:\Cimco\SampleDB\Templates\Tool.txt

Directory Memo Data: C:\CIMCO\SAMPLEDB\$MACHINEGROUP\MEMO

Memo Template: C:\Cimco\SampleDB\Templates\Memo.txt

Real path:

The Associated Files dialog

Associated Files

Machine

A list of the machine groups stored in the database. Select a machine group to specify the corresponding directories.

Directory Other Files

Default value is *$MACHINENAME\OTHER*.

Click on the folder icon 📁 to specify a directory.

Directory Tool Data

Default value is *$MACHINENAME\TOOL*.

Click on the folder icon 📁 to specify a directory.

Tool List Template

The template directory for this machine.

Click on the folder icon 📁 to specify a directory.

Directory Memo Data

Default value is *$MACHINENAME\MEMO*.

Click on the folder icon 📁 to specify a directory.

Memo Template

The template directory for this machine.

Click on the folder icon 📁 to specify a directory.

Real Path

When the cursor is placed in any of the directory variable fields, Real Path shows which actual path the variable refers to.

Default Values

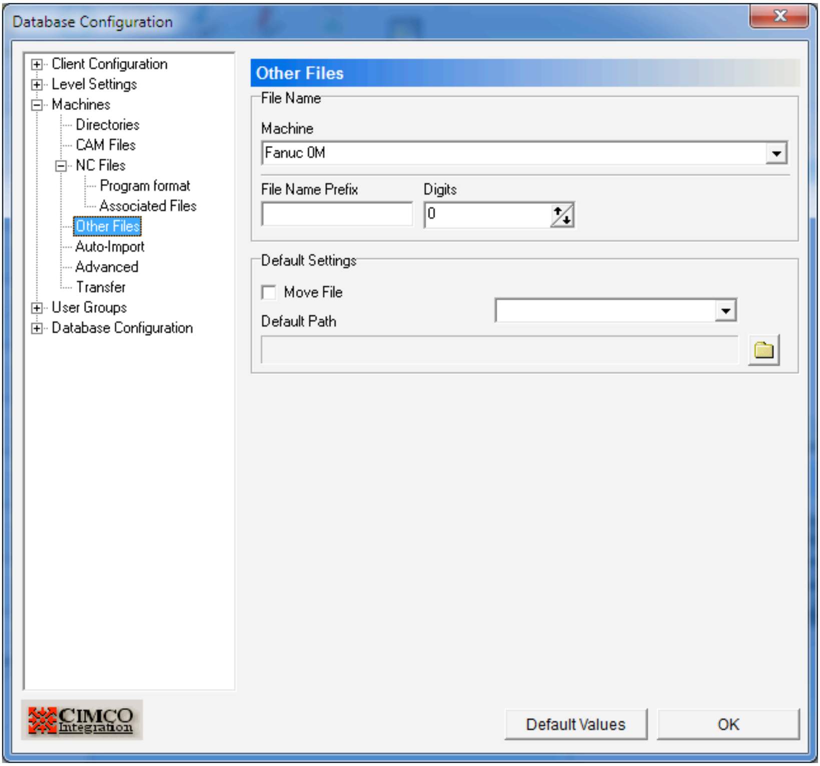
Click Default Values to insert the default values in all the directory fields.

OK

Click OK to confirm the Directories values and close the dialog.

Other Files

In this dialog you define how other files are named and handled.



Machine: Fanuc 0M

File Name Prefix:

Digits: 0

☐ Move File

Default Path:

The Other Files dialog

File Name

Machine

A list of the machine groups stored in the database. You specify Other Files for the machine group selected here.

File Name Prefix

In this field you enter the prefix to the file name.

Digits

The number of digits in the file name. If you enter the value "5" the file names – between the prefix and extension entered – will be 00001, 00002, etc.

Note: This function is used for the generation of file names and is only active when "Generate File Name" is selected in the field "Default File Name" of the below section "Default Settings".

Default Settings

Move File

Check this box to move files to the designated directory instead of copying them there.

Default File Action

Select from the list what should happen to other files when stored in the database.

Default Path

The default path to which files should be stored.

Click on the folder icon 📁 to specify a directory.

Default Values

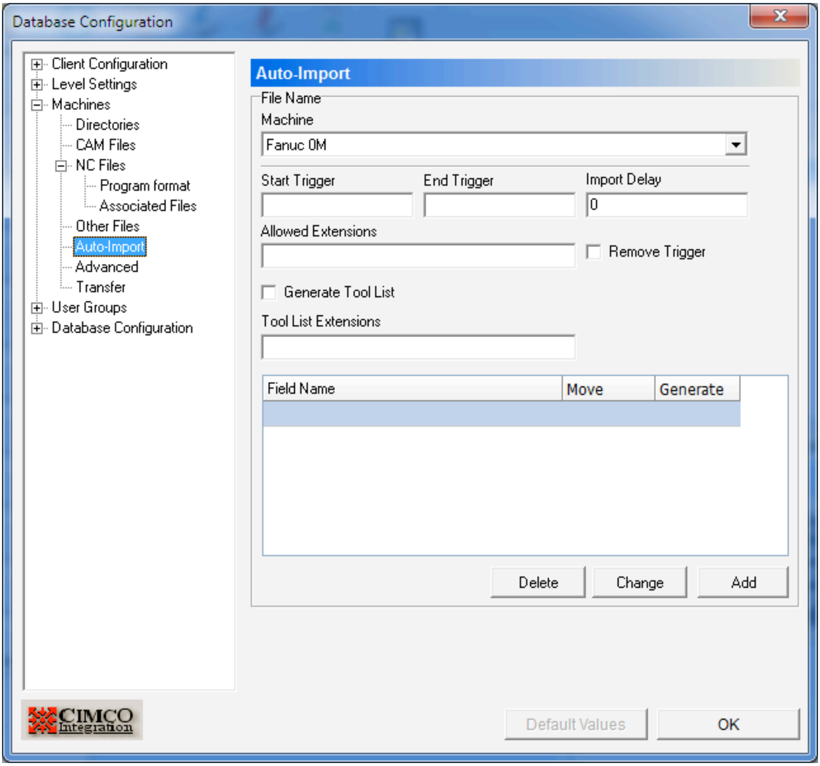
Click Default Values to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Auto-Import

This dialog describes how to set up the auto-import of NC files.



Machine: Fanuc 0M

Import Delay: 0

☐ Remove Trigger

☐ Generate Tool List

The Auto-Import dialog

File Name

Machine

A list of the machine groups stored in the database. Select a machine group to specify its auto-import settings.

Start Trigger

This is where you define the CAM file's start trigger.
Example: "(CAMFILE="

End Trigger

This is where you define the CAM file's end trigger.
Example ")"

Import Delay

Use this field to specify the time in milliseconds to wait before importing data.

Allowed Extensions

Extension names allowed for the files to be imported.

Remove Trigger

Remove trigger from file before storage.

Generate Tool List

Check this box to have a tool list generated on basis of the imported file.

Tool List Extensions

Extension names allowed for tool lists.

Field Name

List of all import directories defined for the chosen machine group.

Move

Move file to the import directory (as opposed to copy –> YES).

Generate

Check this option to generate a new filename on auto-import.

Delete

Delete the highlighted import directory.

Change

Change the highlighted import directory.

Add

Add an import directory.

Default Values

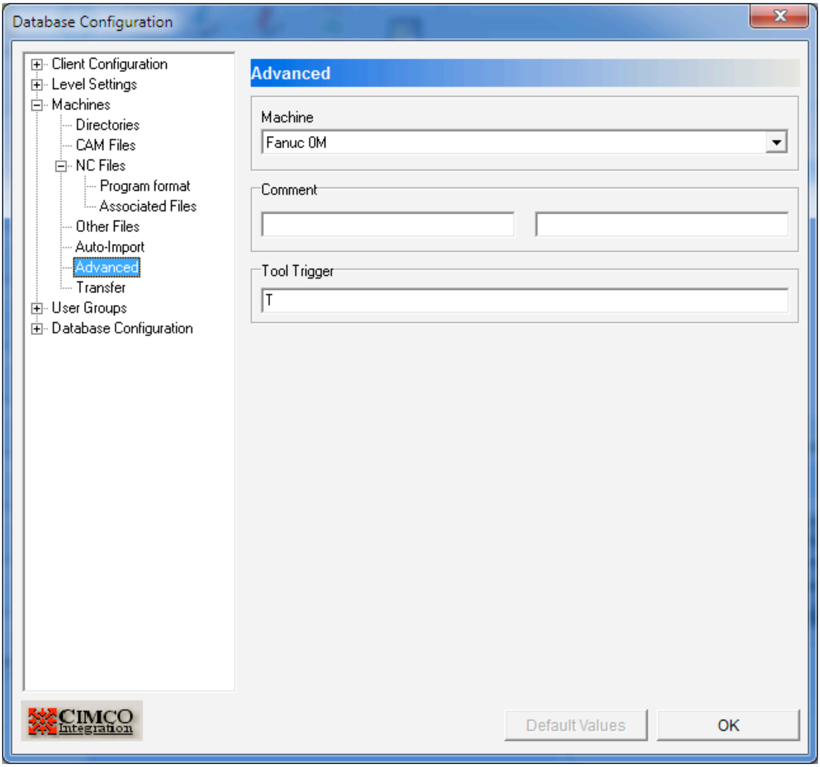
Click Default Values to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Advanced

Advanced Machine Settings.



Machine: Fanuc 0M

Comment

Tool Trigger: T

The Advanced dialog

Machine

A list of the machine groups stored in the database. Select a machine group to specify its advanced settings.

Comment

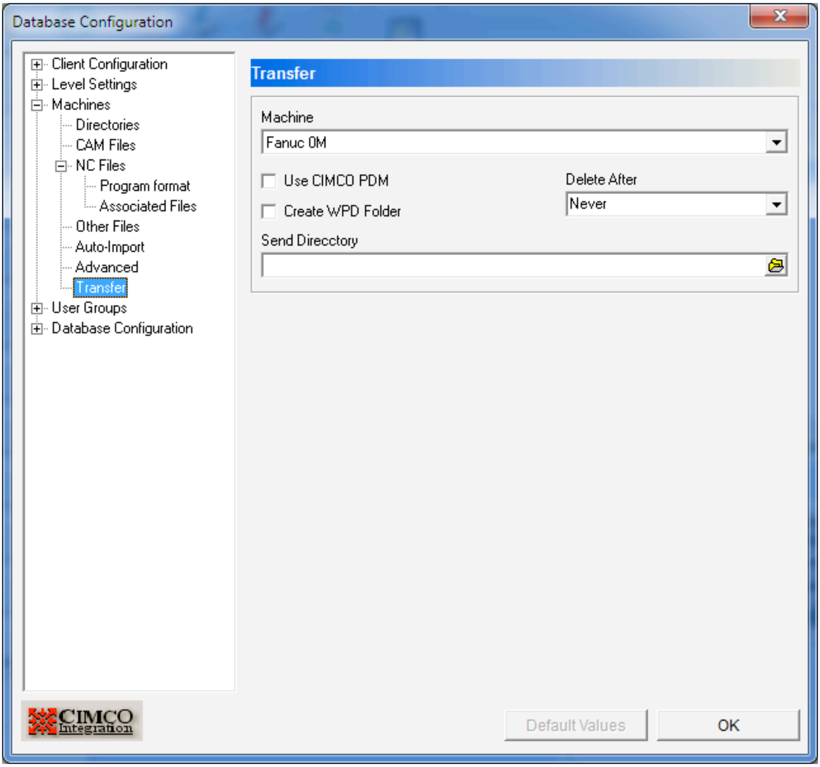
Insert the start / end trigger for machine specific comments

Tool Trigger

Insert the tool trigger.

Transfer

Transfer Settings



Database Configuration

Transfer

Machine: Fanuc 0M

☐ Use CIMCO PDM

☐ Create WPD Folder

Delete After: Never

Send Direcctory:

The Transfer dialog

Machine

A list of the machine groups stored in the database. Select a machine group to specify its transfer settings.

Use CIMCO PDM

Use CIMCO PDM to send files to the machine.

Create WPD Folder

Create a WPD Folder for Siemens controllers.

Delete After

Clear the send directory after selected time?

Send Directory

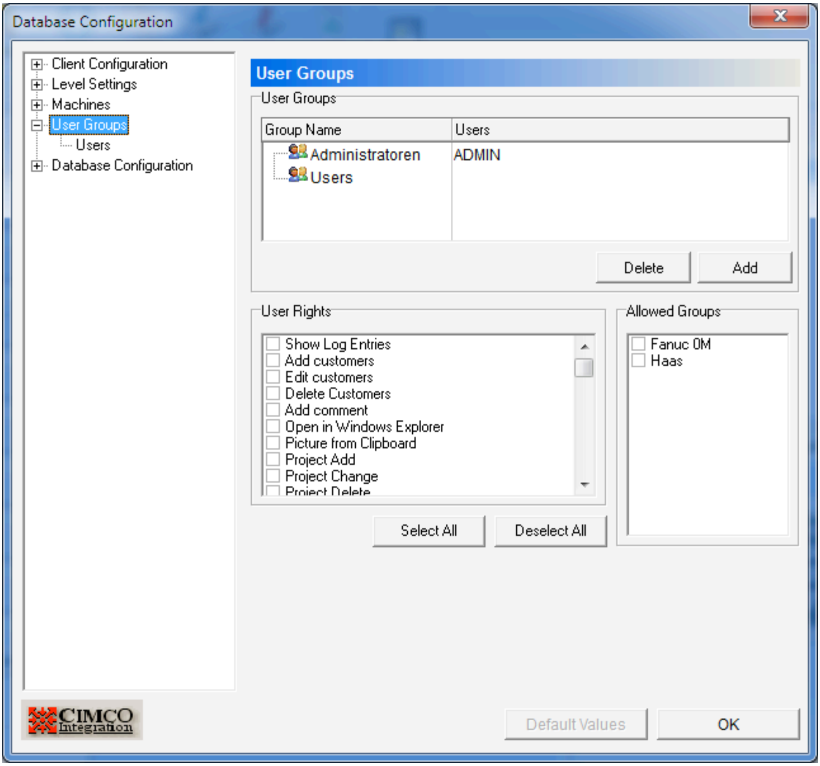
Specify the path of the send directory.

User Groups

This is where you set up user access.

The definition of multiple users with different access rights has some advantages:

1. The number of individuals that can change settings in CIMCO PDM is limited.
2. The regular user cannot accidentally change important configuration settings, or – depending on the configuration – delete any project, CAD file, part, CAM file, etc.
3. Optional monitoring of program changes by individual users.
4. Optional assignment of individual access rights for selected users.



The User Groups dialog

User Groups

Group Name

List of all groups.

Users

List of members belonging to each group.

Delete

Deletes the highlighted user group.

Add

Adds a user group. A dialog will pop up, where you enter the name of the new group.

User Rights

Check the boxes in this list to allow the highlighted user group access to the corresponding functions.

Select All

Select all check boxes in the User Rights section.

Deselect All

Deselect all check boxes in the User Rights section.

Allowed Groups

Check the boxes in this list to allow the highlighted user group user rights within the corresponding machine group.

Default Values

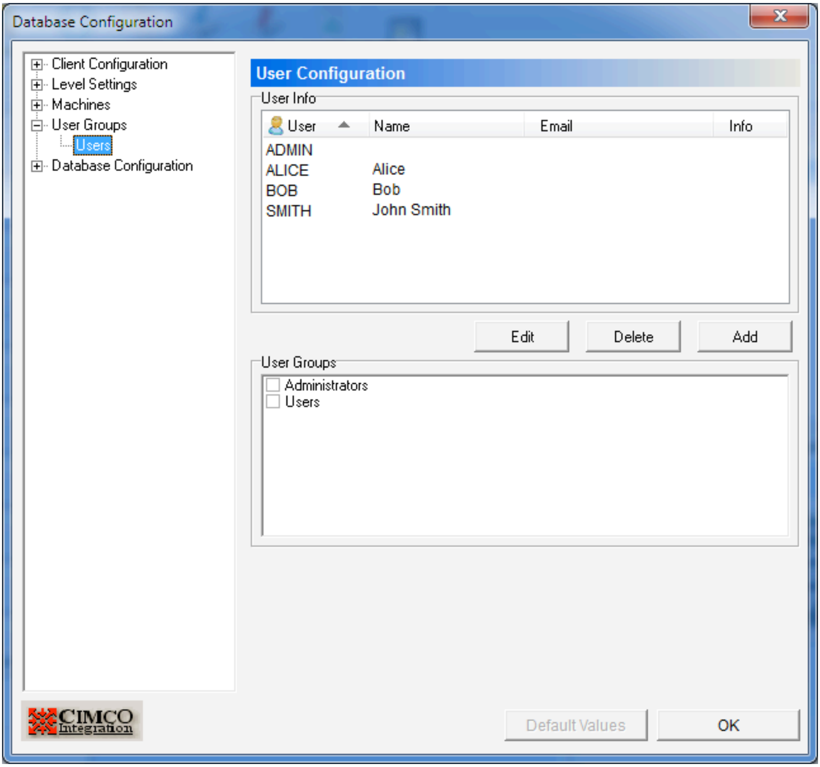
Click Default Values to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Users

Here is where you enter users and user data, and give users access by registering them with the appropriate user groups.



User	Name	Email	Info
ADMIN			
ALICE	Alice		
BOB	Bob		
SMITH	John Smith		

☐ Administrators
☐ Users

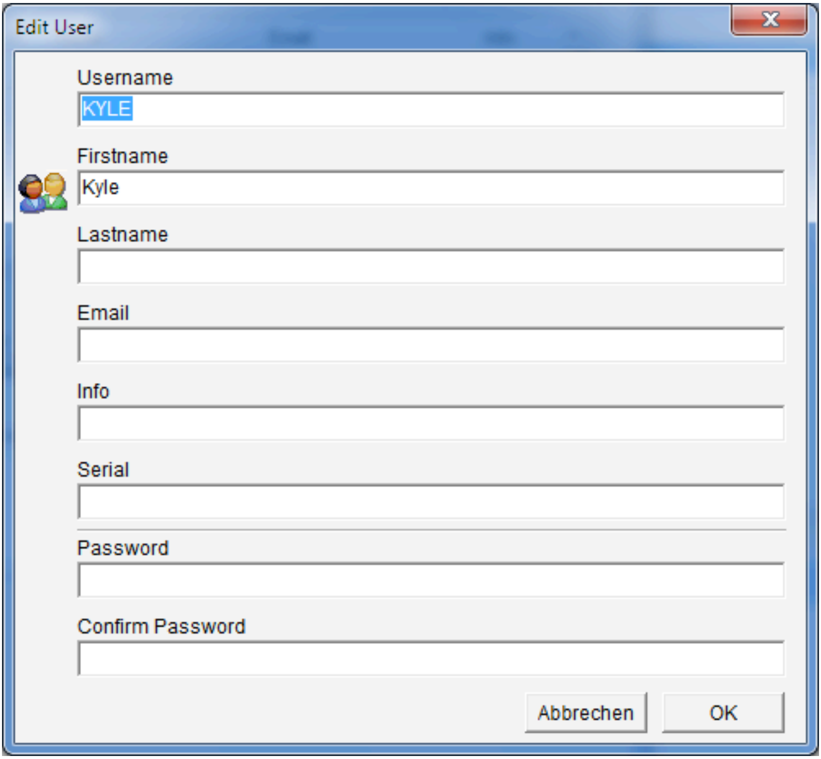
The Users dialog

User Info

Here is listed the registered users and their details.

Edit

Click this button to edit the highlighted user. The Edit User dialog will appear.



Username

KYLE

Firstname

Kyle

Lastname

Email

Info

Serial

Password

Confirm Password

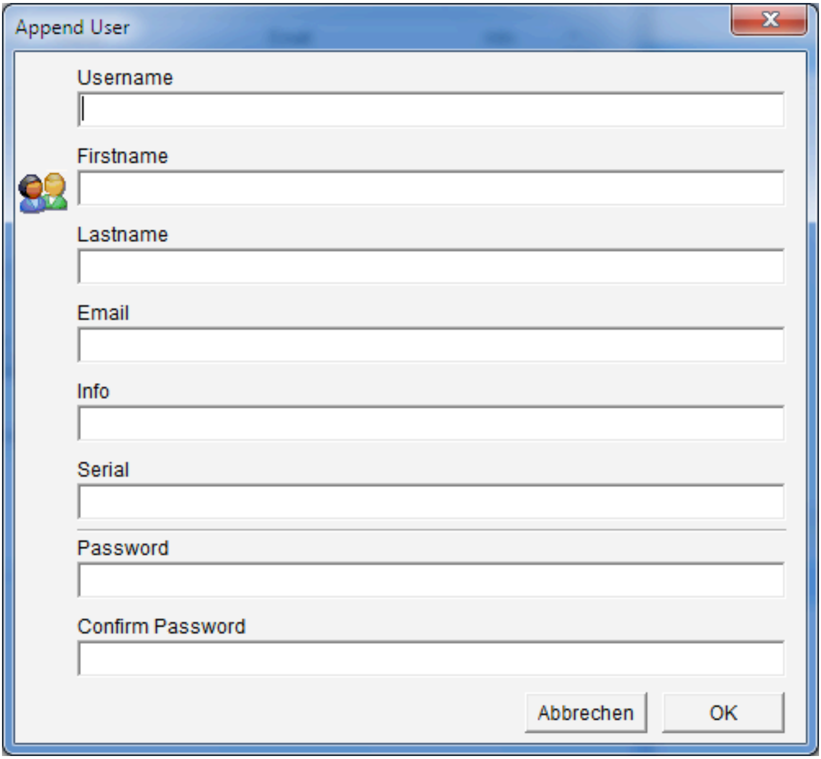
The Edit User dialog

Delete

Deletes the highlighted user.

Add

Click this button to add a user. The Append User dialog will appear.



The Append User dialog

Fill in the fields as needed.

User Groups

Check the box(-es) of the user group(-s), the access rights of which you want the highlighted user to have.
User groups are edited under the parent dialog User Groups.

Default Values

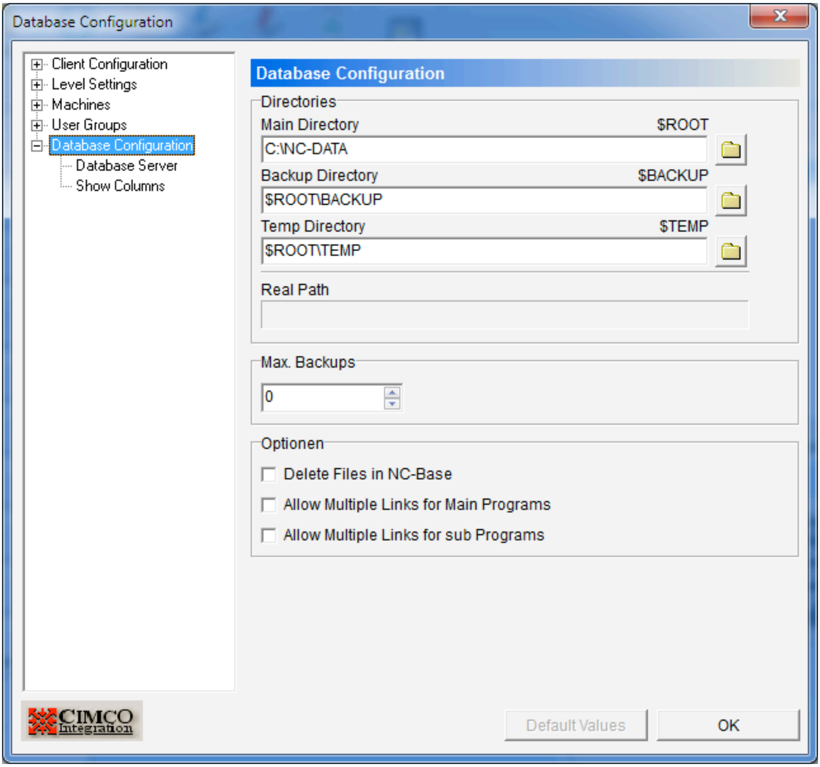
Click Default Values to insert the default values in all fields.

OK

Click OK to confirm the values and close the dialog.

Database Configuration

In this dialog you define the environment variables for storing and handling the database and its files.



Directories

Main Directory $ROOT: C:\NC-DATA

Backup Directory $BACKUP: $ROOT\BACKUP

Temp Directory $TEMP: $ROOT\TEMP

Real Path:

Max. Backups: 0

Optionen

☐ Delete Files in NC-Base

☐ Allow Multiple Links for Main Programs

☐ Allow Multiple Links for sub Programs

The Database Configuration dialog

Directories

Main Directory

The start directory for storing the database.

The *$ROOT* variable will take the value entered here. All other variables for database directories are default defined in relation to the *$ROOT* variable.

Click on the folder icon 📁 to specify a directory.

Backup Directory

This is where backups of the database are placed.
Default value is *$ ROOT\BACKUP*.

Click on the folder icon 📁 to specify a directory.

Temp Directory

The working directory of the database.
Default value is *$ROOT\TEMP*.

Click on the folder icon 📁 to specify a directory.

Real Path

When the cursor is placed in any of the directory variable fields, Real Path shows which actual path the variable refers to.

Max. Backups

The maximum number of backups you want CIMCO PDM to store in the backup directory.

Options

Delete files in NC-Base

Check this box to also delete the NC files in CIMCO NC-Base.

Allow Multiple Links for Main Programs

Check this box to allow more than one link for main programs.

Allow Multiple Links for Sub-Programs

Check this box to allow more than one link for sub-programs.

Default Values

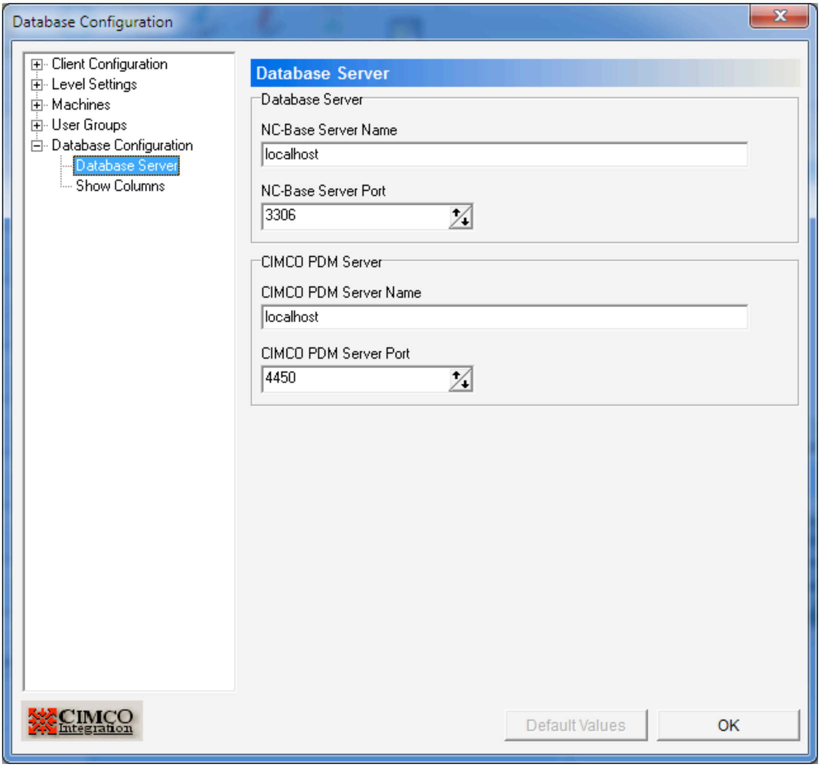
Click Default Values to insert the default values in all the directory fields.

OK

Click OK to confirm the Directories values and close the dialog.

Database Server

This is where you set up the database server.



Database Server

Database Server

NC-Base Server Name: localhost

NC-Base Server Port: 3306

CIMCO PDM Server

CIMCO PDM Server Name: localhost

CIMCO PDM Server Port: 4450

The Database Server dialog

Database Server

NC-Base Server Name

In this field you enter the name and address of the computer where NC-Base is installed. The server name can be specified either as the IP address or host name.

Note: If the database runs on this computer, you can just enter 'localhost'.

NC-Base Server Port

Enter the port used by the NC-Base Server.

Note: Normally, this port should not be changed.

CIMCO PDM Server

CIMCO PDM Server

In this field you enter the name and address of the computer where CIMCO PDM is installed. The server name can be specified either as the IP address or host name.

Note: If the database runs on this computer, you can just enter 'localhost'.

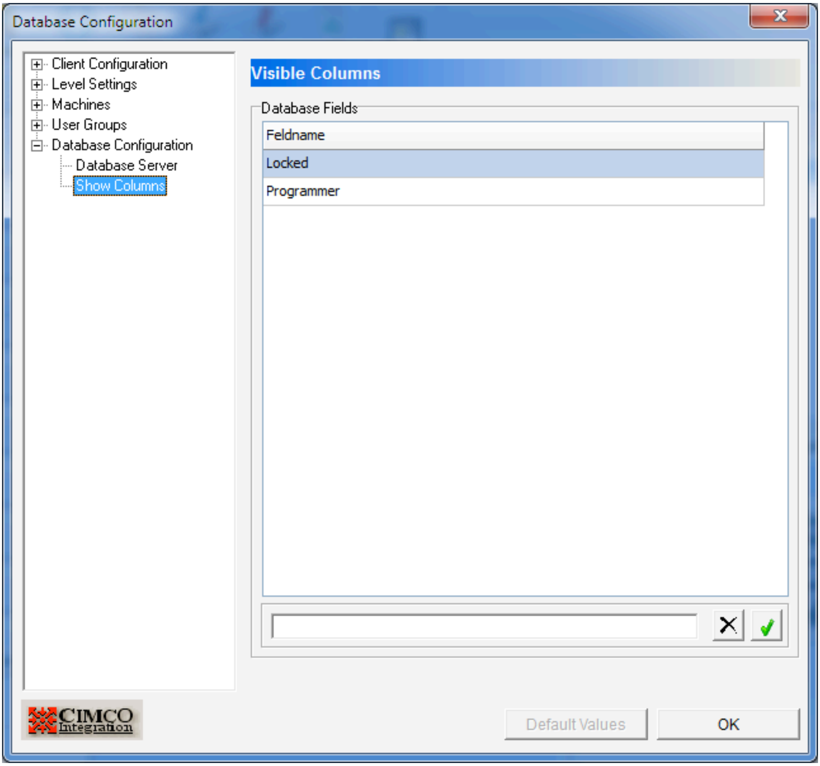
CIMCO PDM Server Port

Enter the port used by the CIMCO PDM Server.

Note: Normally, this port should not be changed.

Show Columns

In this dialog you can add custom columns to the Database Explorer.



The Visible Columns dialog

Database Fields

Field Name

Lists the user-defined columns that can be shown in the Database Explorer, pending right-clicking the Database Explorer columns title bar and selecting via check boxes.

New column names are written in the field below and entered using the green check mark button.

OK

Click OK to confirm the values and close the dialog.

Index