



CODEGENIUS STUDIO 4.0

Quick User Guide | Gerard Robbertsen



CodeGenius Studio

Version 4.0

Contents

About this document	3
CodeGenius Studio System Requirements.....	3
Installing CodeGenius Studio.....	3
Updating CodeGenius Studio	3
What is CodeGenius Studio?	4
CodeGenius Studio – Main Window	5
Preferences Section	5
Hotkey Definitions Section	6
Dynamics NAV Clients Section	7
Configurations Section	8
Code Templates Section.....	9
CodeSmart Section.....	10
Code Tags Section	11
Editing Items.....	12
Dynamics NAV Clients	12
Third Party.....	14
Folder /Groups.....	15
Code Templates	16
Default Tags.....	16
CodeSmart.....	17
Other Features.....	17
The Color dialog.....	17
Indent / Unindent	17
Edit a configuration while in the tray menu.....	18
Inserting templates with tags that need to be completed.....	18



CodeGenius Studio

Version 4.0

About this document

This document is quick guide to CodeGenius Studio. I have tried to make this document as complete and clear as possible. However, there may be features implemented that are not described in this document.

CodeGenius Studio System Requirements

- The Microsoft .NET Framework version 2.0 (including any service packs and/or updates).
- Windows XP (SP2) or Windows Vista

Installing CodeGenius Studio

To install CodeGenius Studio open the setup file on the computer you want to install CodeGenius Studio. The installer will start and guide you through the setup process. After installation a shortcut will be placed in your “All Programs” menu and on your Desktop.

Updating CodeGenius Studio

CodeGenius Studio can automatically check for updates. If an update is published, CodeGenius Studio will notify you and you can click on the “Get it Now!” button. When you click this button CodeGenius Studio will download the update and will close CodeGenius Studio and install the update automatically on your system.



CodeGenius Studio

Version 4.0

What is CodeGenius Studio?

CodeGenius Studio is the premium tool to help you manage your databases and helps you code faster in Microsoft Dynamics NAV.

CodeGenius Studio is not just a developer tool. The database management capabilities are quite extensive. CodeGenius Studio can even manage the username & password combinations for all these databases. Through Hotkey technology these username & password combinations can then be inserted into the login dialog in Microsoft Dynamics NAV. And for the people that worry it isn't safe: CodeGenius Studio only inserts username & password into the login dialog. This is done to prevent people from easily accessing your private username & password combinations.

Of course CodeGenius Studio was written with the developer in mind. The code templates in CodeGenius Studio are easy to configure and easy to use. With the latest version you can define Hotkeys freely and even determine where the cursor should be placed after inserting the template. CodeGenius Studio also has code completion for C/AL called CodeSmart. It helps developers writing their C/AL code. It also is completely customizable making it very versatile. CodeGenius Studio now integrates code templates with CodeSmart making it possible to access your templates in the C/AL editor. With all these features CodeGenius Studio is one of the most powerful tools for Microsoft Dynamics NAV.

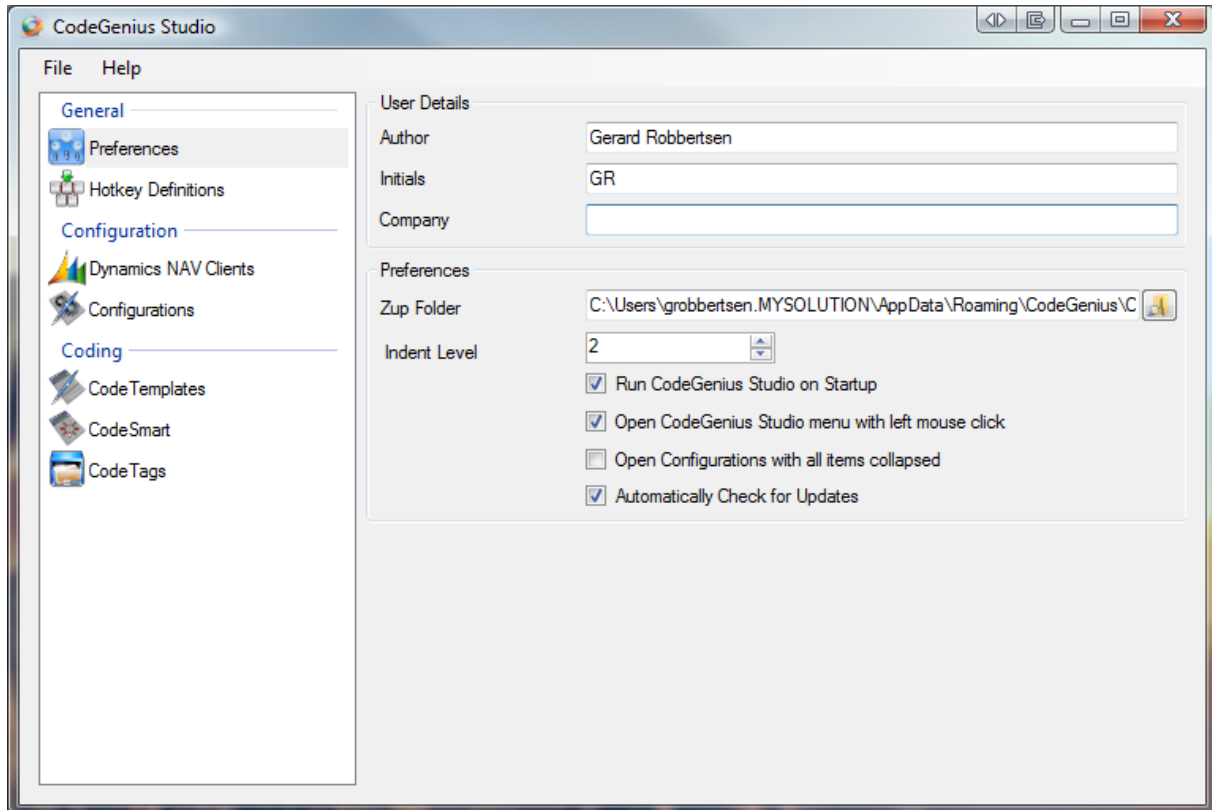


CodeGenius Studio

Version 4.0

CodeGenius Studio – Main Window

Preferences Section



Screenshot of the preferences section in CodeGenius Studio

Field	Description
Author	The name of the Author. This field is used in templates with the tag <<Author>>.
Initials	The initials of the Author. This field is used in templates with the tag <<Initials>>.
Company	The name of the Company. This field is used in templates with the tag <<Company>>.
Zup Folder	This is the folder where the zup-files will be dropped when starting a Dynamics NAV configuration.
Indent Level	Here you can specify how many spaces you wish to use with the block-indent feature.
Run CodeGenius Studio on Startup	When checked CodeGenius Studio will start when Windows is started.
Open CodeGenius Studio menu with left mouse click	When checked a left mouse click on the tray icon will open the menu. By default, only the right mouse click is supported.
Open Configurations with all items collapsed	When checked the Configurations section will open with all the items collapsed. This can be useful when having a very large set of configurations.
Automatically Check for Updates	When checked CodeGenius Studio will perform a

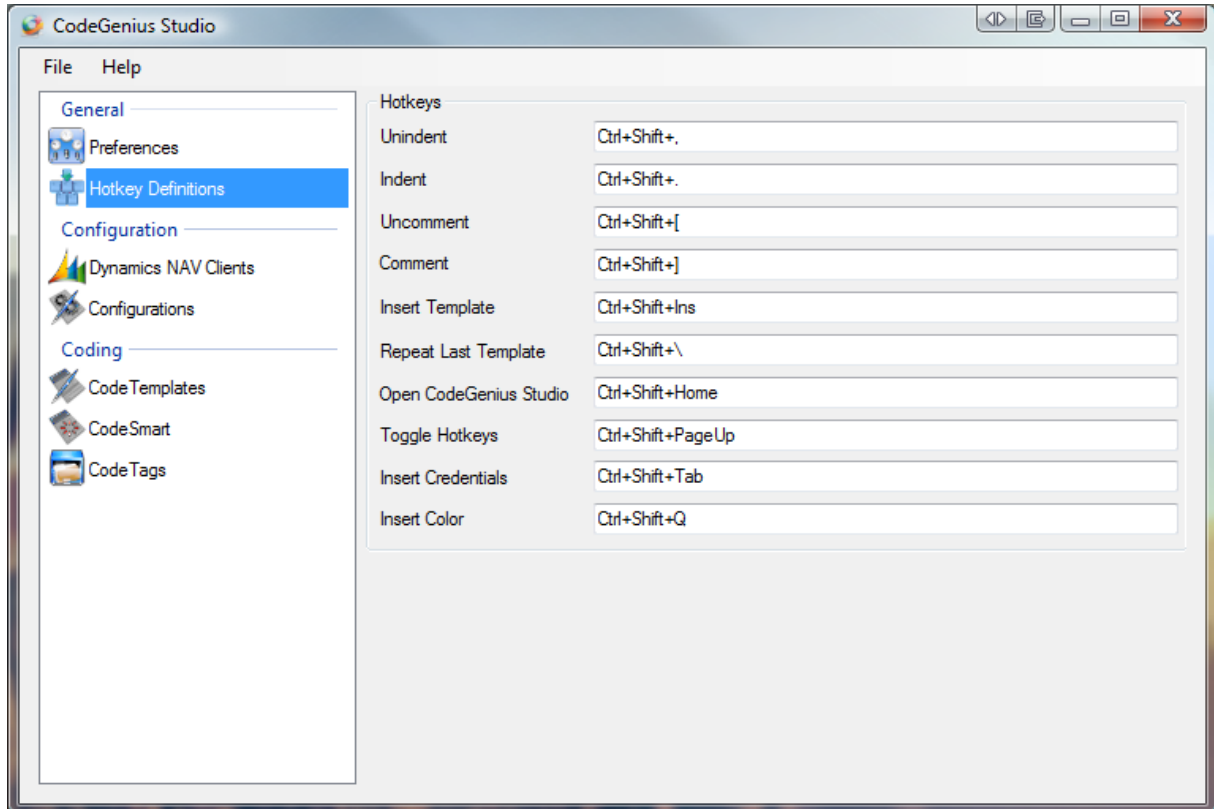


CodeGenius Studio

Version 4.0

check for updates when started.

Hotkey Definitions Section



Screenshot of the Hotkey Definitions section in CodeGenius Studio

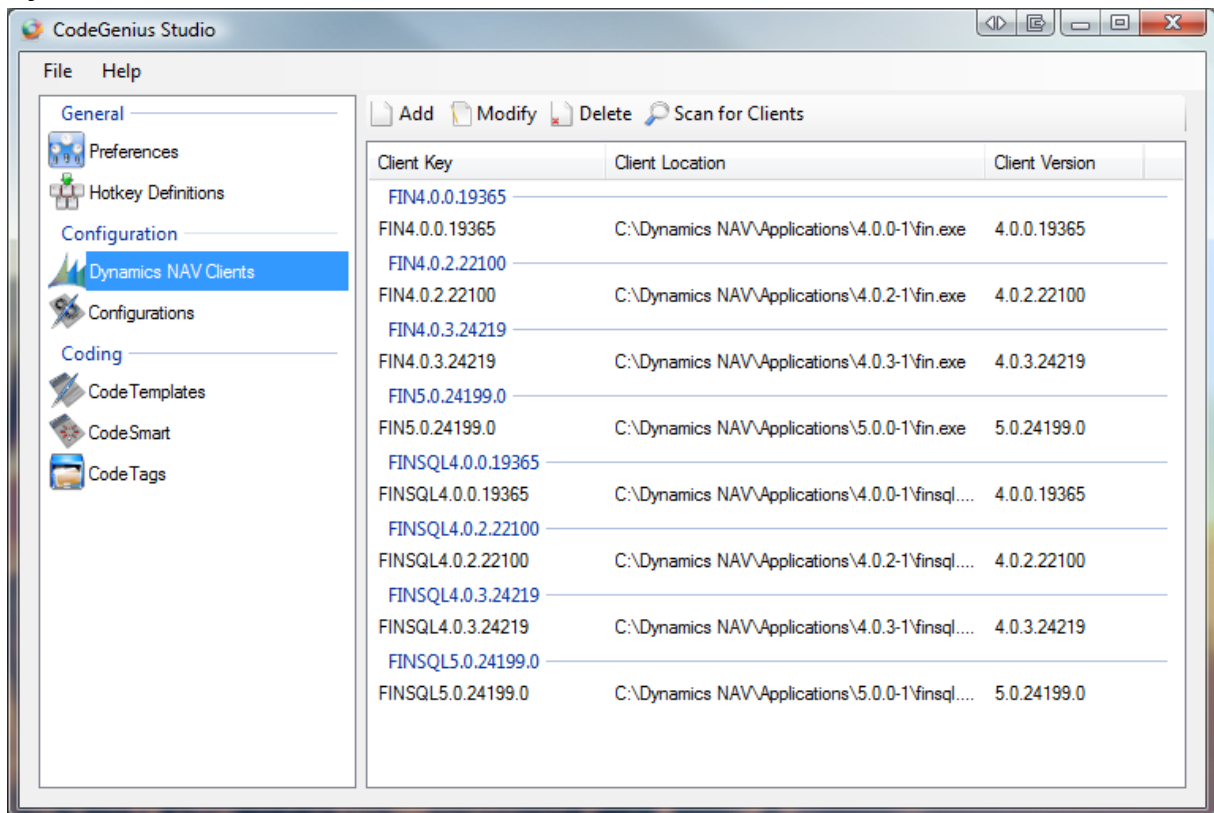
Field	Description
Unindent	Hotkey for unindenting blocks of selected code.
Indent	Hotkey for indenting blocks of selected code.
Uncomment	Hotkey for uncommenting blocks of selected code.
Comment	Hotkey for commenting blocks of selected code.
Insert Template	Opens a dialog and allows user to select a template from all available templates. Useful for templates that are very seldom used.
Repeat Last Template	Repeats the last template you have used in this session.
Open CodeGenius Studio	Open the CodeGenius Studio main window.
Toggle Hotkeys	Disables all hotkeys defined. Except for this hotkey.
Insert Credentials	Insert username and password into the login dialog of Dynamics NAV. <i>This is only works in the Dynamics NAV login dialog!</i>
Insert Color	Open the Color dialog and allows you to compose a color and insert it in code (or the properties window).



CodeGenius Studio

Version 4.0

Dynamics NAV Clients Section



Screenshot of the Dynamics NAV Clients section in CodeGenius Studio

This is a completely new feature. You can add all the Dynamics NAV clients installed on your system.

Scanning for Clients

CodeGenius Studio has a scan for clients option. When you click this button you will be asked to specify a folder from where to search for Dynamics NAV clients. CodeGenius Studio will search this folder and any subfolders for any clients. They will then be grouped by version number. This makes it possible for the user to setup configurations and run multiple local configurations at once without any problems regarding the same client opening 2 different local databases.

Add and Delete

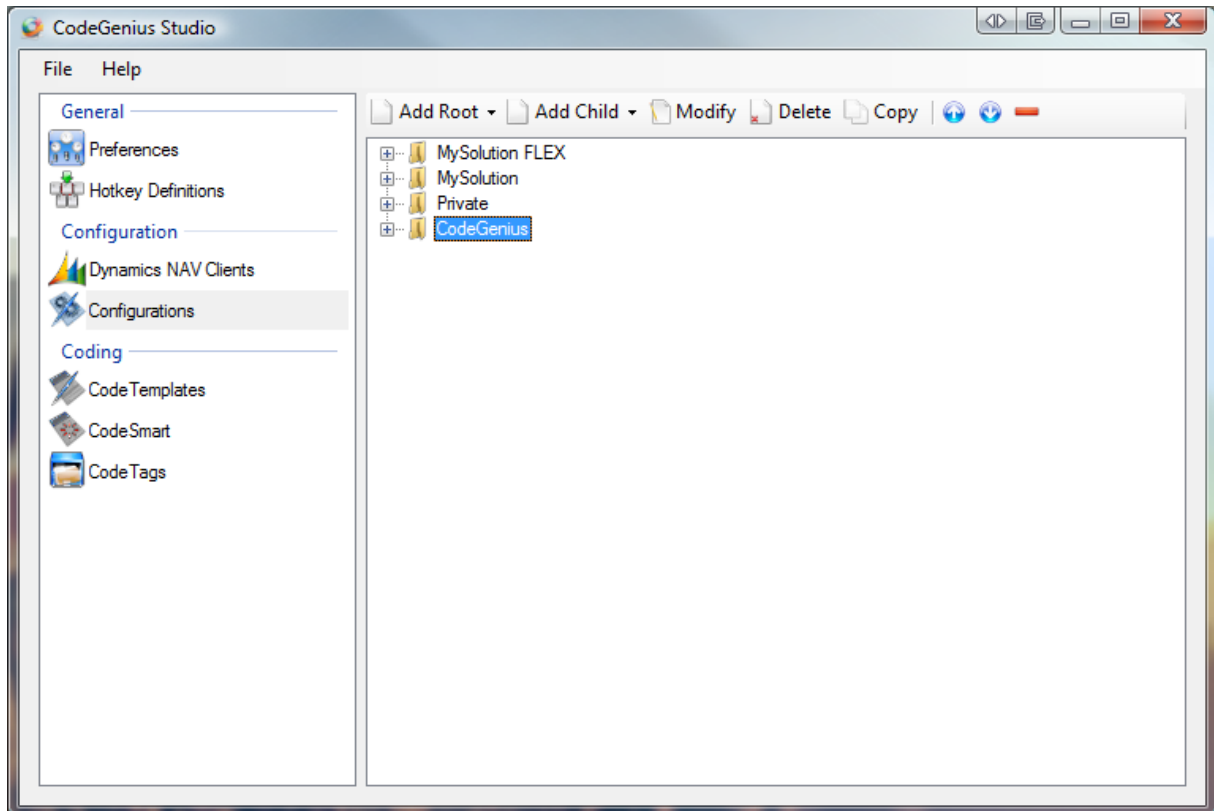
The Add and Delete buttons are added to allow you to manually manipulate the list of clients.



CodeGenius Studio

Version 4.0

Configurations Section



Screenshot of the Configurations section in CodeGenius Studio

Dynamics NAV clients and Third Party applications are configured in the same place. Here you add the Dynamics NAV clients and Third Party applications. You can now group applications together that actually fit together.

Add Root

Clicking on this button will open a menu with three choices: Folder, Dynamics NAV and Third Party. Selecting one of these items will create this item in the root of the tree view.

Add Child

Clicking on this button will open a menu with three choices: Folder, Dynamics NAV and Third Party. Selecting one of these items will create this item as a sub item of the selected folder.

Modify and Delete

Allows you to make changes to the item and/or delete it.

Up and Down

With these buttons you can move the selected item (and all sub items up and down within the node of the tree view). To move it to another branch use drag and drop.

Copy

Creates a new item based on the selected item and places it in the same node of the tree.

Expand/Collapse

Click this button to expand or collapse all items.

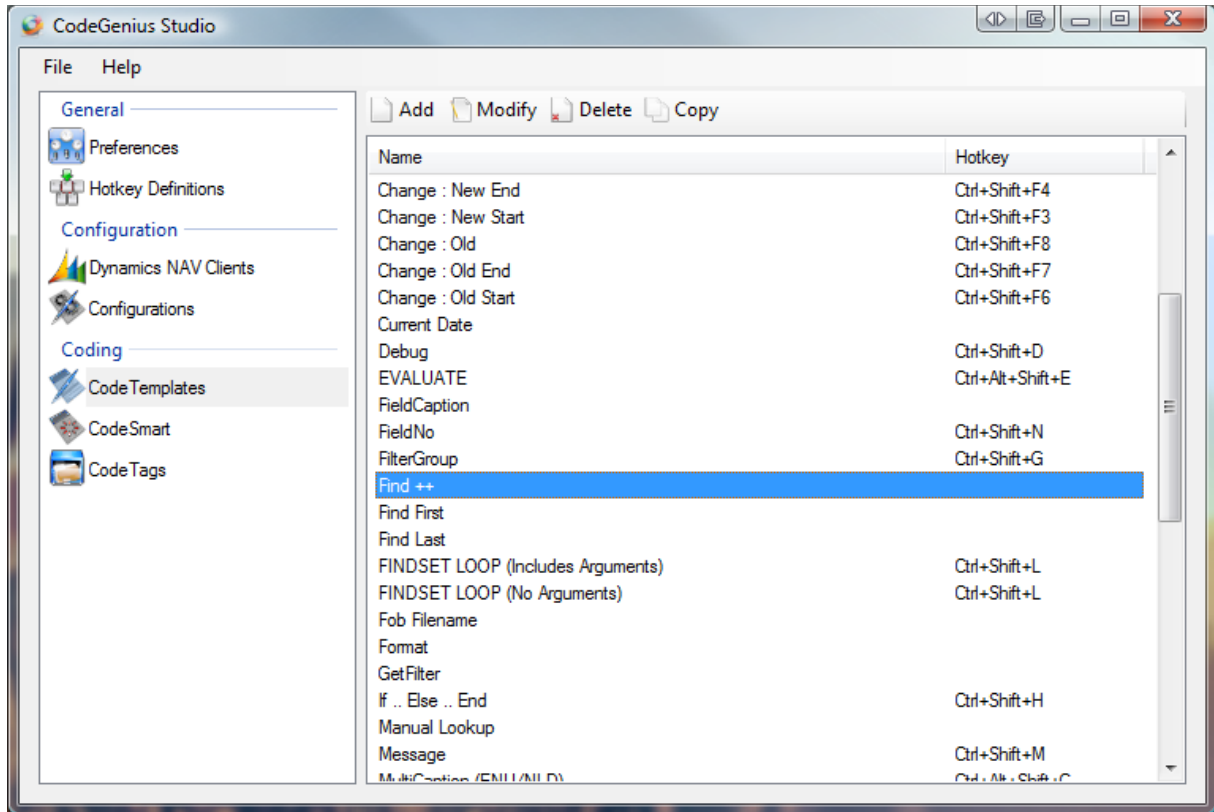


CodeGenius Studio

Version 4.0

Drag and dropping items is possible. The item will always be inserted after the item you drop the dragged item on. This means that you must have an item in a folder before you can drop an item in that folder.

Code Templates Section



Screenshot of the Code Templates section in CodeGenius Studio

Here users can setup templates to use in the Dynamics NAV code editor or properties window. Templates even work in most other editors. So you could use these templates for other applications.

Add, Modify and Delete

These buttons allow you to manipulate a Code Template.

Copy

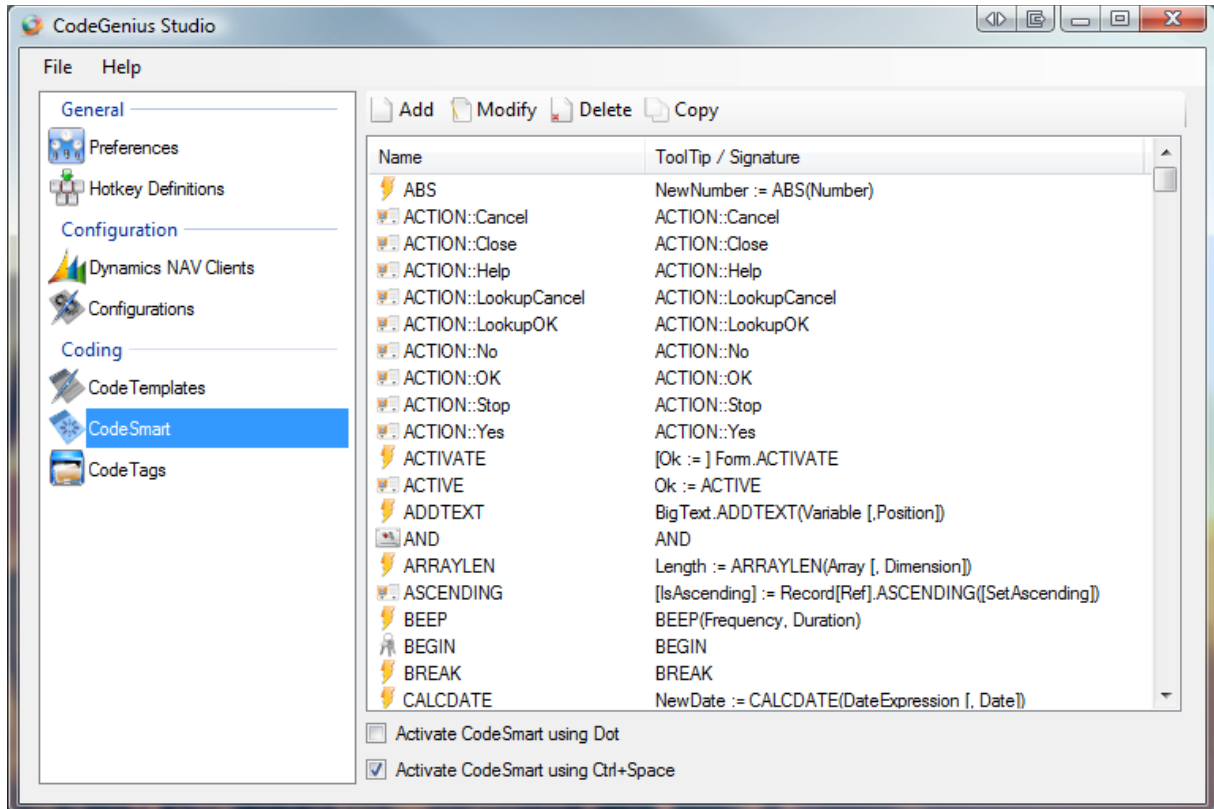
To make a copy of a Code Template you should use this button.



CodeGenius Studio

Version 4.0

CodeSmart Section



Screenshot of the CodeSmart section in CodeGenius Studio

CodeSmart is completely configurable. You can even assign CodeSmart types. This is to improve user experience and make it easier to recognize the available options. Also you can assign a tooltip that will appear when hovering over the CodeSmart window when editing code.

Add, Modify and Delete

These buttons allow you to manipulate a CodeSmart item.

Copy

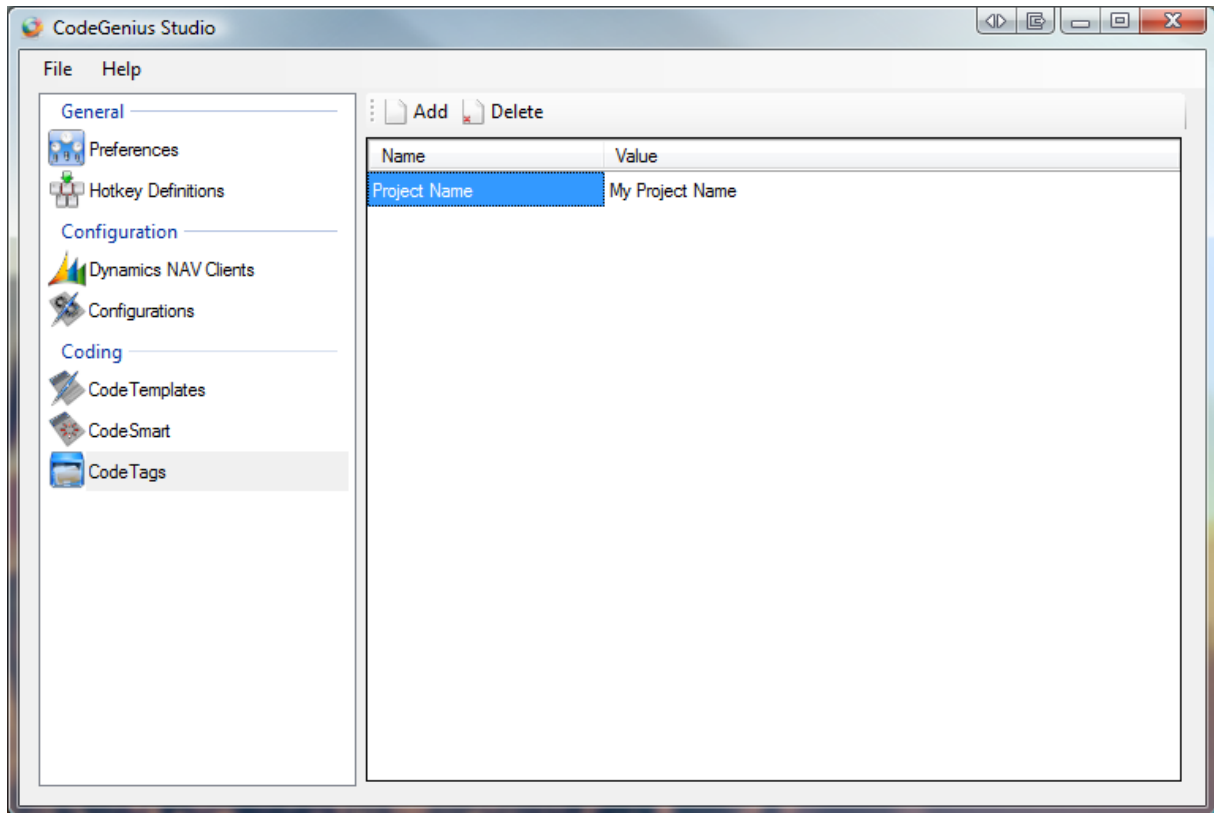
To make a copy of a CodeSmart item you should use this button.



CodeGenius Studio

Version 4.0

Code Tags Section



Screenshot of the Code Tags section in CodeGenius Studio

Define your own Tags that are like the Author, Initials, Company, Date, and Time Tag. These are automatically recognized in the Code Template window by appearing blue (instead of red).

When you have a certain variable in a template, but this almost never changes you could use Code Tags for this. You simply define a name for the Code Tag and supply a value. When inserting a Code Template with this tag CodeGenius Studio will replace the tag with this value. CodeGenius Studio will not ask you for the value. When you need to change the value you just edit it here and you are done.

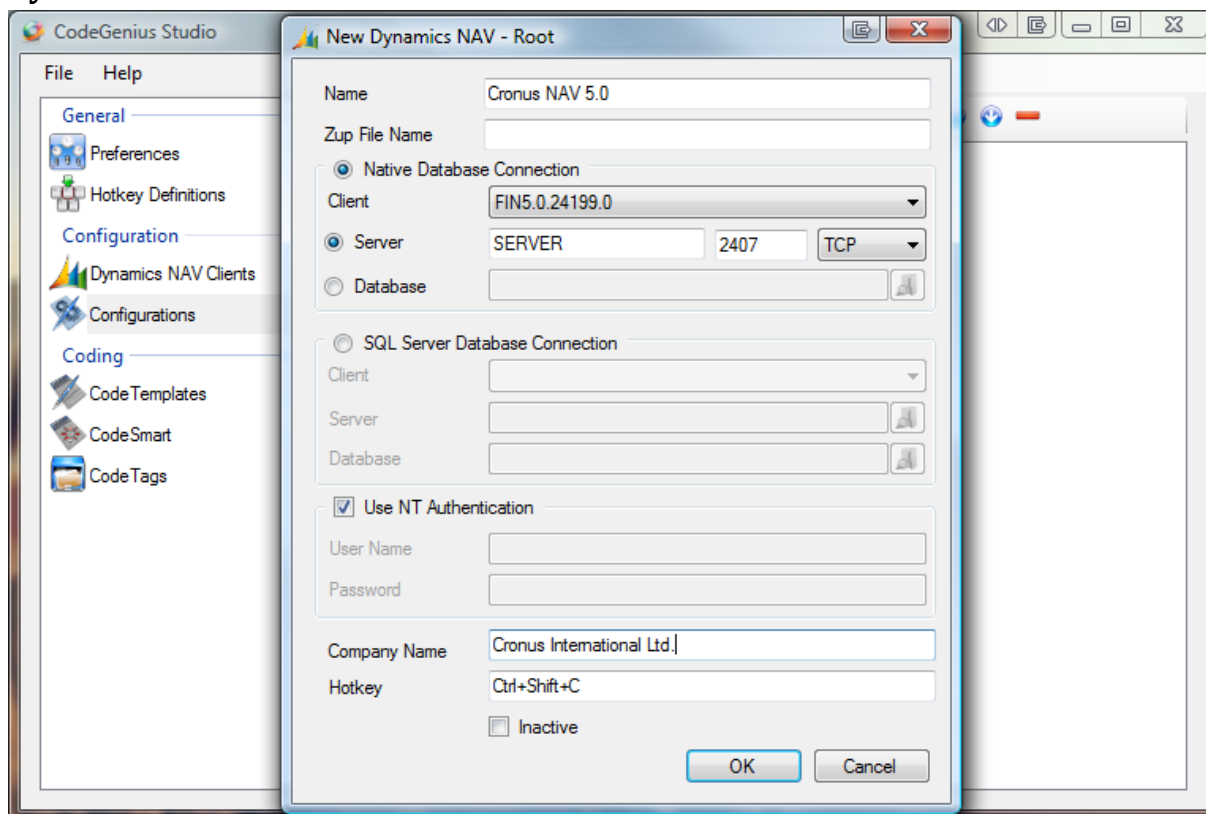
Add and Delete

These buttons allow you to manipulate a Code Tag. To edit a Code Tag just modify the fields directly in this section.



Editing Items

Dynamics NAV Clients



Screenshot of editing a Dynamics NAV configuration in CodeGenius Studio

Editing a Dynamics NAV configuration is quite simple. Supply a name (this is used for recognition within CodeGenius Studio and zup file name.) and choose the type of Dynamics NAV client you will need.

Native Database Connection

Field	Description
Client	One of the configured clients in the Dynamics NAV Clients section.
Server	Consists of Server name, Port number and Connection Type. When you do not want to use a port number set the port number to 0.
Database	Select a database file (fdb file) to make a direct (local) connection to the database.

SQL Server Database Connection

Field	Description
Client	One of the configured SQL Server clients in the Dynamics NAV Clients section.
Server	Name of the database server.
Database	Name of the database.



CodeGenius Studio

Version 4.0

Other fields

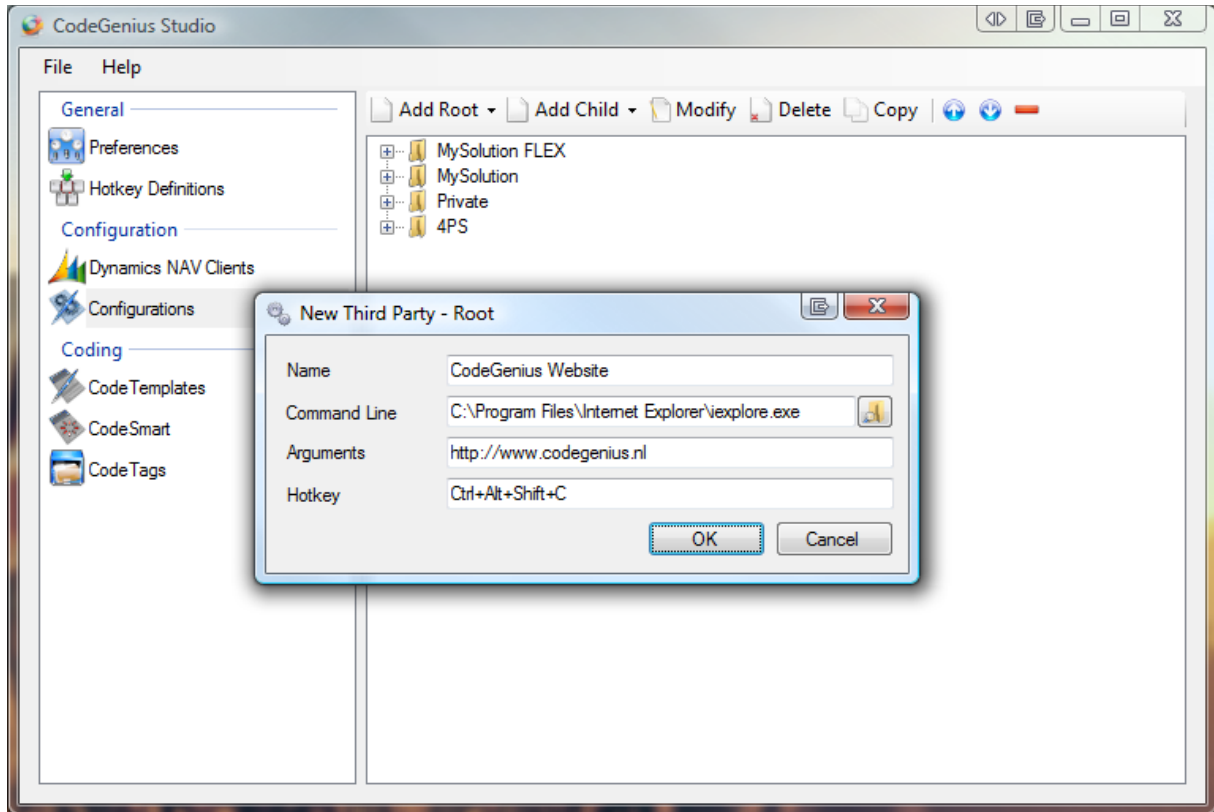
Field	Description
Name	Name of the configuration. This name is used for the zup file, unless you specify a different file name in Zup File Name.
Zup File Name	Name of the zup file. This allows you to use the same zup file for several configurations.
Use NT Authentication	Check this field if you want to use your windows account to log into Dynamics NAV.
User Name	User name of the database login.
Password	Password of the database login.
Company Name	The default company that should be opened.
Hotkey	A hotkey combination that allows you to activate this at any time.
Inactive	When checked this configuration is disabled. It won't be displayed in the menu and the hotkey is disabled.



CodeGenius Studio

Version 4.0

Third Party



Screenshot of editing a Third Party configuration in CodeGenius Studio

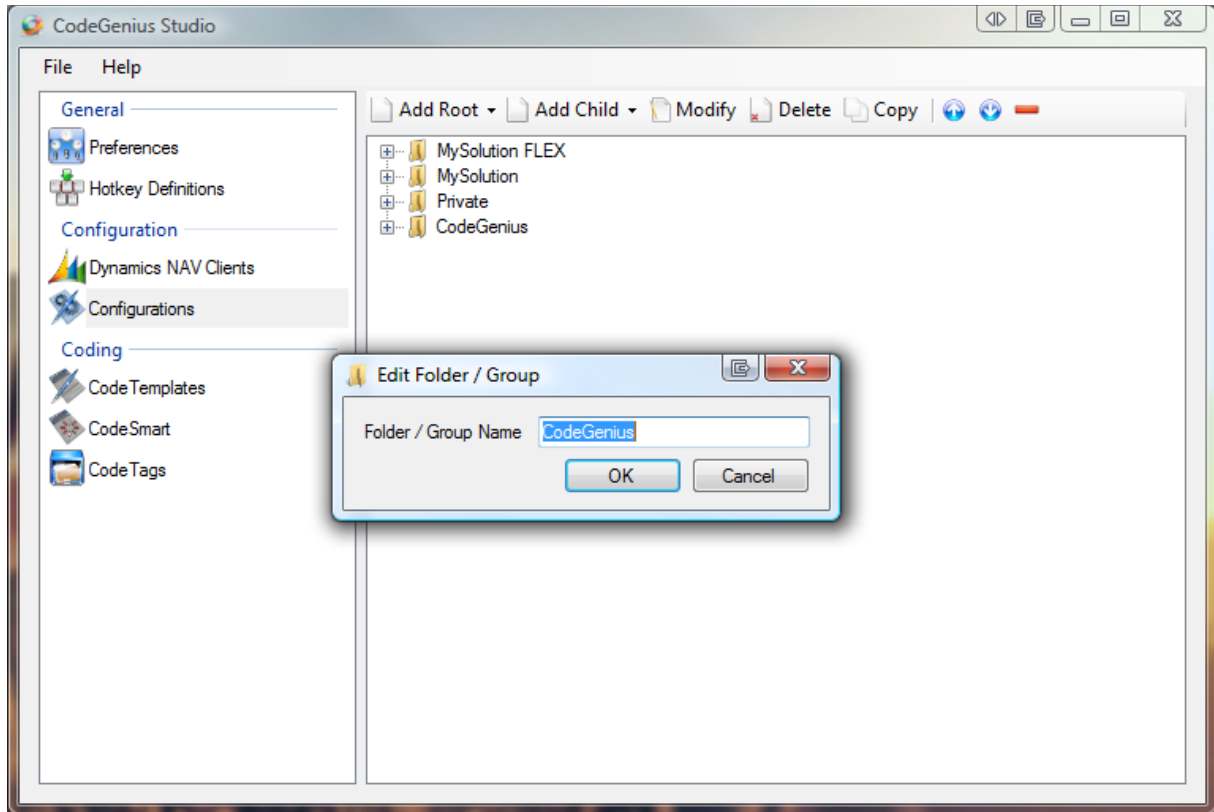
Field	Description
Name	Name of the configuration.
Command Line	The path to the executable or other type of file that is known to Windows.
Arguments	Command line parameters to be used when starting the third party application.
Hotkey	A hotkey combination that allows you to activate this at any time.



CodeGenius Studio

Version 4.0

Folder /Groups



Screenshot of editing a Folder configuration in CodeGenius Studio

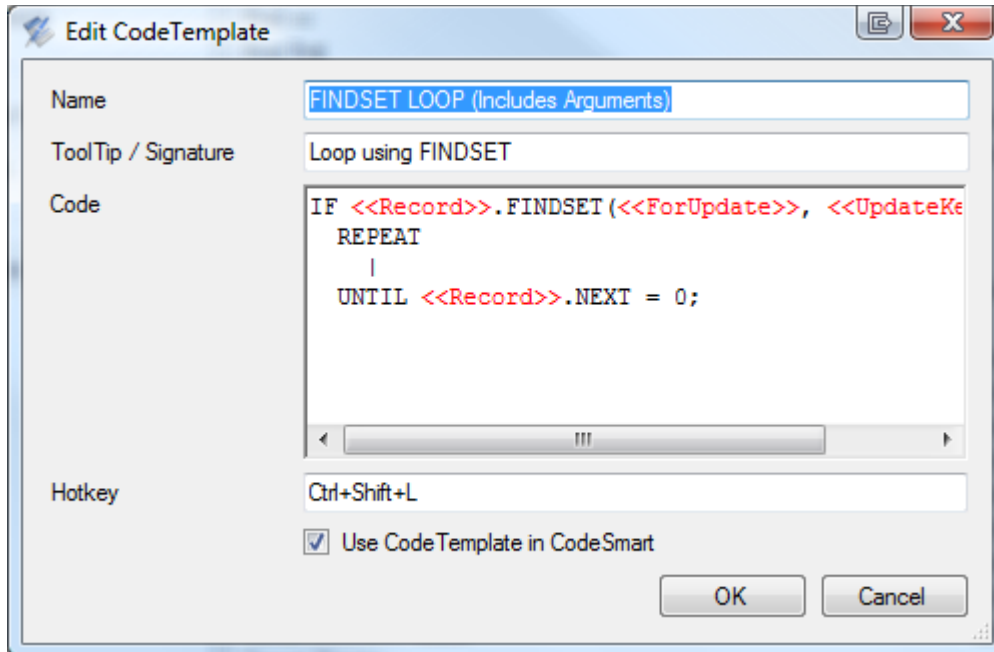
Field	Description
Name	Name of the folder.



CodeGenius Studio

Version 4.0

Code Templates



Screenshot of editing a Code Template in CodeGenius Studio

Field	Description
Name	Name of the Code Template.
ToolTip / Signature	The tooltip (or signature) of the template. This will be displayed when hovering over this item in the CodeSmart window.
Code	The Code Template code.
Hotkey	A hotkey combination that allows you to activate this at any time.
Use Code Template in CodeSmart	When checked this Code Template will appear in CodeSmart.

Default Tags

CodeGenius Studio contains a set of 5 default tags. These are tags that refer to some setting within CodeGenius Studio and therefore you can add them to your template without CodeGenius Studio asking you their values.

Tag	Description
<<Author>>	Value in the author field of the preferences section.
<<Initials>>	Value in the initials field of the preferences section.
<<Company>>	Value in the company field of the preferences section.
<<Date>> or <<Date(yyyy-mm-dd)>>	The system date. (may include formatting)
<<Time>> or <<Time(hh:mm)>>	The system time. (may include formatting)

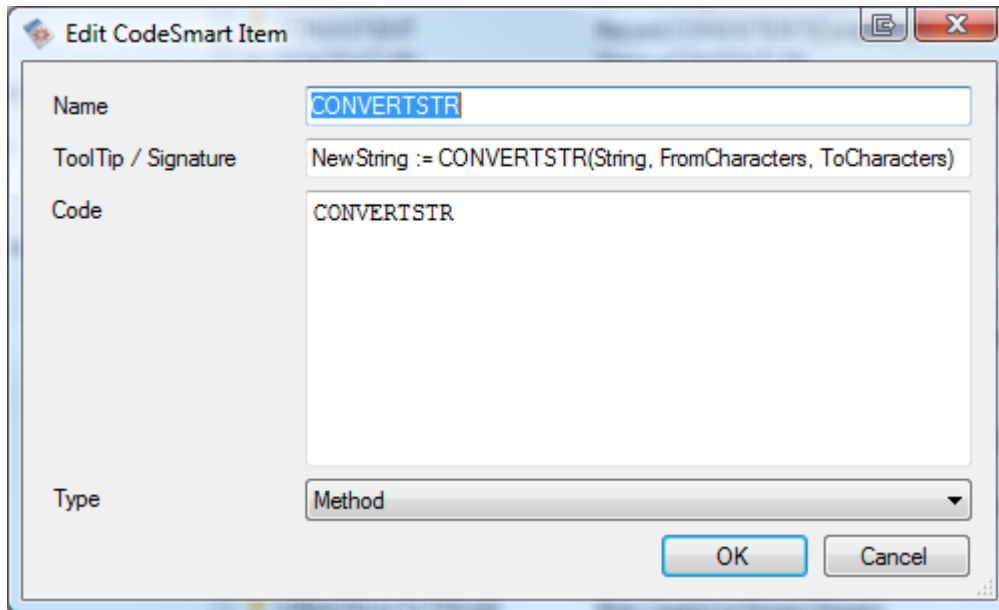
The date and time tags can have formatting. When you write a format into these tags you must specify a valid format as shown in the above examples.



CodeGenius Studio

Version 4.0

CodeSmart



Screenshot of editing a CodeSmart item in CodeGenius Studio

Field	Description
Name	Name of the CodeSmart item.
ToolTip / Signature	The tooltip (or signature) of the item.
Code	The CodeSmart code.
Type	An identifier making it possible to distinguish between various types of items.

Other Features

The Color dialog

When editing some customers would like you to add colors regarding status or so on. The color codes are pretty nasty to calculate yourself. Firstly, you need to know the RGB code and then convert it to an integer.

New in CodeGenius Studio is the Color Hotkey! When you hit the hotkey CodeGenius Studio will display a color dialog enabling you to select a color and insert it in code or in the property dialog!

Indent / Unindent

Previously, when indenting you a popup dialog appeared to ask you if you wanted to repeat. This has been removed and CodeGenius Studio keeps the selection and therefore you can indent again by hitting the hotkey once again. Also I have fixed the issue that you can only select blocks of code top to down. You can also select code blocks down to top.

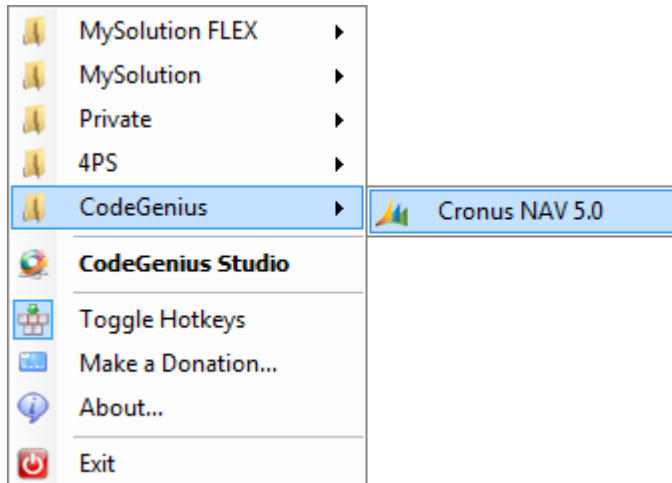


CodeGenius Studio

Version 4.0

Edit a configuration while in the tray menu

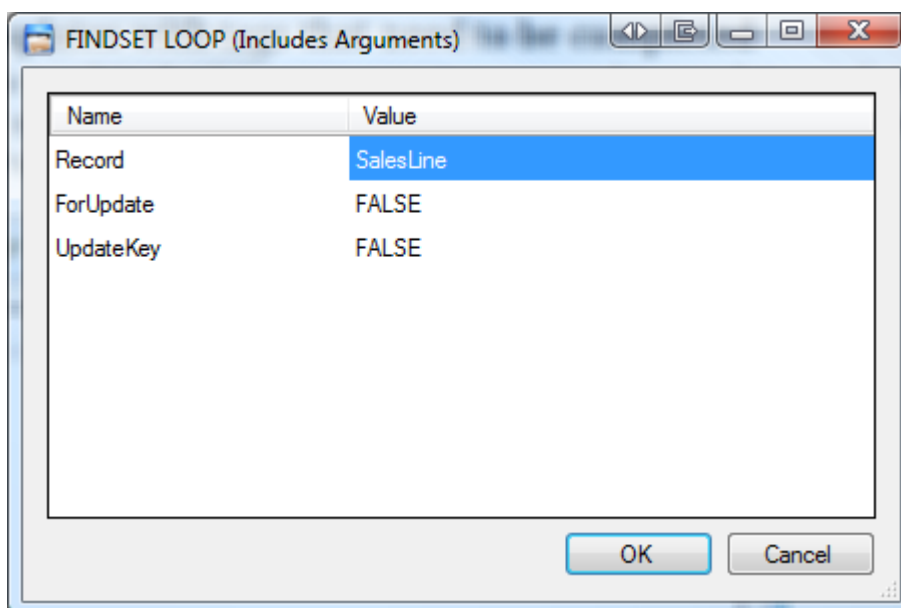
In CodeGenius Studio you can directly edit a configuration edit from the tray menu. Just open the tray menu and right-click on the item you wish to edit.



CodeGenius Studio pops-up the editing screen to edit the configuration. This features works for both Dynamics NAV configurations and Third Party configurations.

Inserting templates with tags that need to be completed

When you insert a template that has one or more tags you need to complete you do this directly in one screen. After you have completed all tags you can simply hit the Enter key to accept the values and insert the template.



Screenshot of Code Template insert dialog in CodeGenius Studio

Other things you may notice are that the name of the Code Template appears in the title of the input dialog. This is to make it possible for users to see they hit the correct hotkey.