



## Welcome to SemanticMerge 2.0

Semantic is a different kind of merge tool. It parses the code prior to calculate the merge, which makes it possible to detect and automatically solve most conflicts.

It is different than most merge tools you have used so far, so it is worth to invest a few minutes browsing the sample cases to become a real merge master and get the best out of the tool.

Background: **ActionButtonBrush**



#0664FF

Mouse over color = **Border color**



explore the samples

To learn more about the SemanticMerge fundamentals [read the Intro Guide](#) (3 minutes read).



Don't show this dialog on start up

Border: **ActionButtonMouseOverBrush**



#004ECF



run the tool



semanticmerge

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[open examples](#)

Please select MERGE or DIFF



MERGE

This option launches  
a 3-way merge tool,  
able to save the  
result in another file



DIFF

This option launches  
a diff tool, to see the  
differences of two  
files

SemanticBorderBrush

#00112E



semanticmerge

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Select three file to MERGE:  **ActionButtonBrush**  #0664FF

Source (theirs)

C:\Users\Miguel\wkspaces\codice-wrk\01plastic\install\samples\CSharp\5. Rep



Destination (yours)

spaces\codice-wrk\01plastic\install\samples\CSharp\5. RepositoryChecker\dst.c



Base

spaces\codice-wrk\01plastic\install\samples\CSharp\5. RepositoryChecker\base.c



ok

cancel



semanticmerge

# semanticmerge configuration

SemanticFontBrush:



#0664FF

general

external tools

version controls

- ☒ Automatically merge without user interaction unless conflicts are found (-a)
- ☐ Merge declaration conflicts that can be solved automatically (--merge-decl)
- ☐ Don't ignore indentation and EOL changes (--include-format-change)
- ☐ Launch the external tool to process unsolved conflicts (--process-all-merges)
- ☐ Run the external tool when the language is not supported (--nolangwarn)
- ☐ Run the external tool when structure errors are found (--nostructurewarn)

Tab size:

4

SemanticBackgroundBrush



#071D43

Default encoding:

NONE

Result encoding:

NONE

Path to the Java Virtual Machine:



Command to run the external parser:

CancelButtonBrush:



#C7CDDD

ok

cancel



semanticmerge

## semanticmerge configuration

general external tools version controls

Diff Tool: Default

Command: C:\Program Files\PlasticSCM5\client\bmergetool.exe

Arguments: -s="#sourcefile" -sn="#sourcesymbolic" -d="#destinationfil

DialogBottomFontBrush: #4A5D85

Merge Tool: Default

Command: C:\Program Files\PlasticSCM5\client\bmergetool.exe

Arguments: -b="#basefile" -bn="#basesymbolic" -s="#sourcefile" -sn='

2-way Merge Tool: Custom

Command:

Arguments:

ok cancel



semanticmerge

# semanticmerge

a tool that understands your code. **DialogTopFontBrush:** ● #00112E  
designed for converting merges into a simple, painless task.

Version 0.0.0.0 - GitMaster

[Release notes](#)

**VersionFontBrush:**

● #C7CDDD

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**DialogBottomFontBrush:** Engineered in Boecillo Tech Park, Valladolid, Spain

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Conflicts to solve (1)

[C] [method] CheckChange... [M] [C]

cmtest.RepositoryChecker.CheckChangesets  
changed on both contributors

InfoButtonBrush: #B4006BCF

[C] changed on source

[C] changed on destination

merge

ActionButtonBrush

#0664FF

[A] [method] CalculateOperati... [A]

CalculateOperationsToApply added on both  
contributors

InfoButtonBrush:

#00BC9B

[A] added on source

[A] added on destination

diff

Keep src

Kept dst

rename

2 merge

[A] [method] CalculateOperati... [A]

CalculateOperationsToApply added on both  
contributors

[A] added on source

[A] added on destination

#8FD146

diff

solved using keep src

diff

hide unchanged

show unchanged

group unchanged

zoom in

zoom out

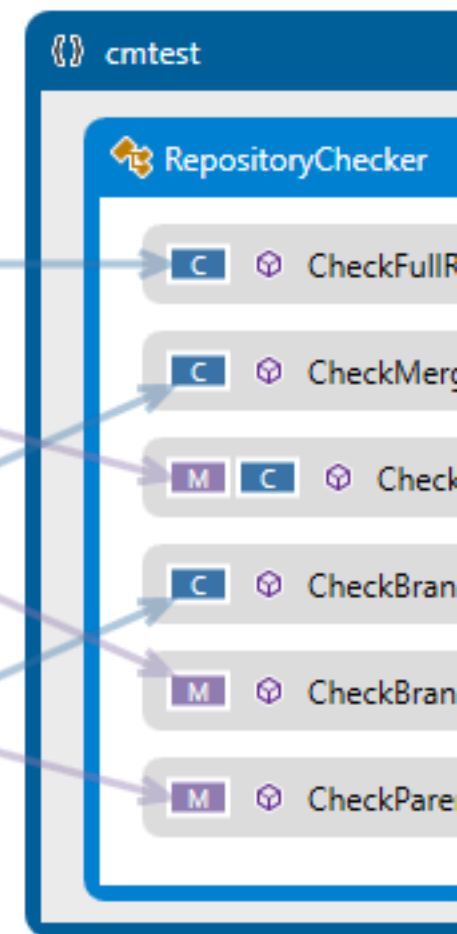
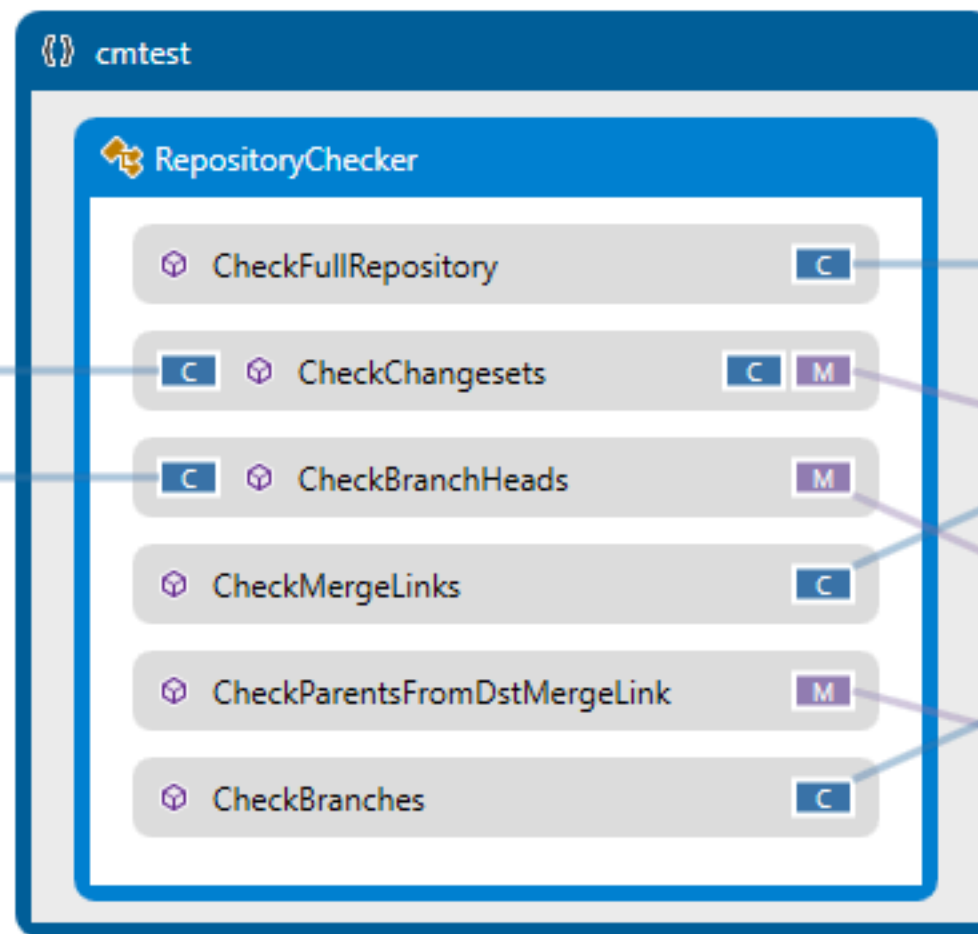
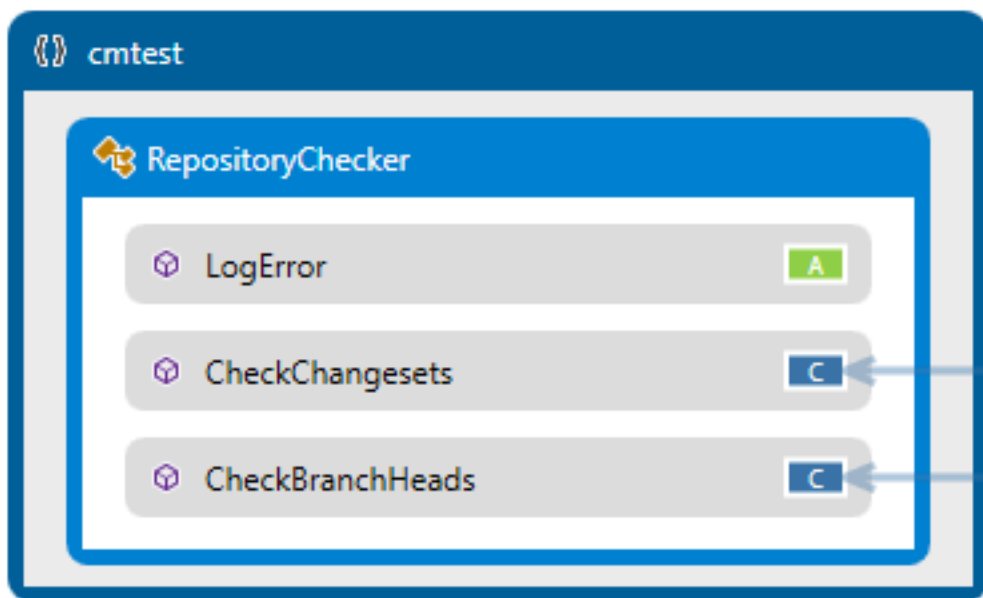
ActionButtonCheckedColor: #193774

#0664FF

src - their changes

base

dst - your changes



I think we can keep the diagram colours,  
but have a look at them anyways



## ActionButton

Normal  ARGB(200, 6, 100, 255)

MouseOver  ARGB(200, 0, 78, 207)

Pressed  ARGB(200, 10, 58, 156)

Checked  ARGB(200, 21, 129, 233)

## AlertButton

Normal  ARGB(200, 255, 67, 0)

MouseOver  ARGB(200, 224, 59, 0)

Pressed  ARGB(200, 198, 52, 0)

## InfoButton

Normal  ARGB(200, 0, 188, 155)

MouseOver  ARGB(200, 0, 163, 135)

Pressed  ARGB(200, 135, 112, 0)

Checked  ARGB(200, 80, 218, 162)

## CancelButton

Normal  ARGB(200, 195, 205, 201)

MouseOver  ARGB(200, 173, 180, 197)

Pressed  ARGB(200, 137, 147, 169)