

Doing Uniface Differently

Uniface 6, 7, 8 and 9 with an Eclipse IDE and other things you can do with Uniface Source in Text files

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Agenda



- About March Hare Software
- What is UD6
- Planning the Eclipse IDE
- Eclipse IDE Available Now
- Demonstrate Eclipse IDE for Uniface
- Not the Eclipse IDE a customer story
 Where to from here?

March Hare Software



- Started in Sydney Australia in 1996, expanded to UK in 2004 and to New York, USA in 2006. Our UD6 Uniface driver first released in 1999, first sale 2000.
- Product company focus is on Change Management, Version Control and Quality
- Mixture of Proprietary and Open Source
- Not all customers are programmers/IT

All products include source code





What is UD6?

why do so many Uniface customers see it as vital?

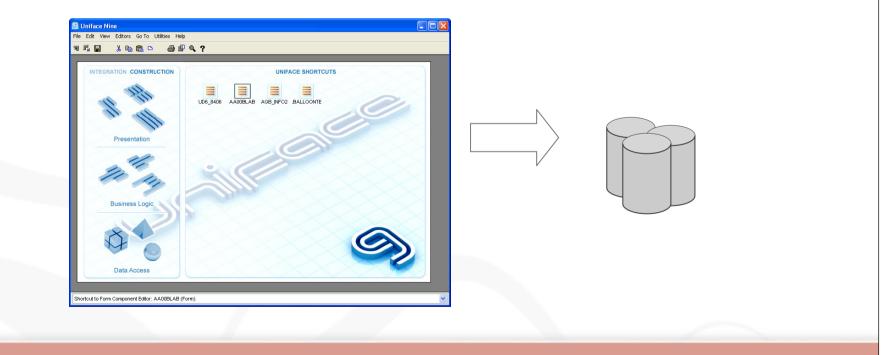


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Uniface Source DB



Uniface natively stores its source code as rows in database tables.

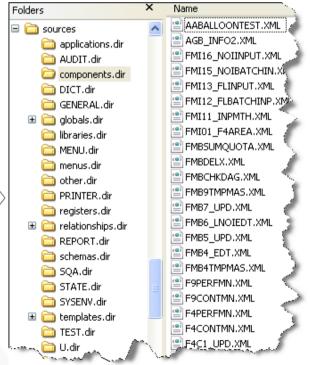


Uniface source in text



UD6 is a database we sell specifically for Uniface developers that stores Uniface source code in text files.

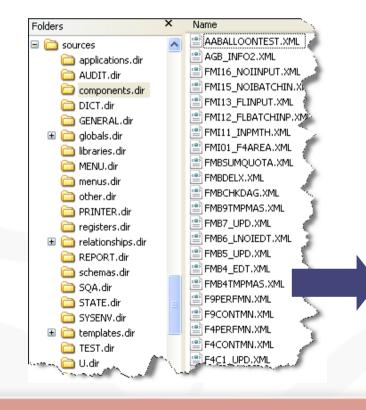




Enablement



When the source code is in text files many other toolchains become accessible:

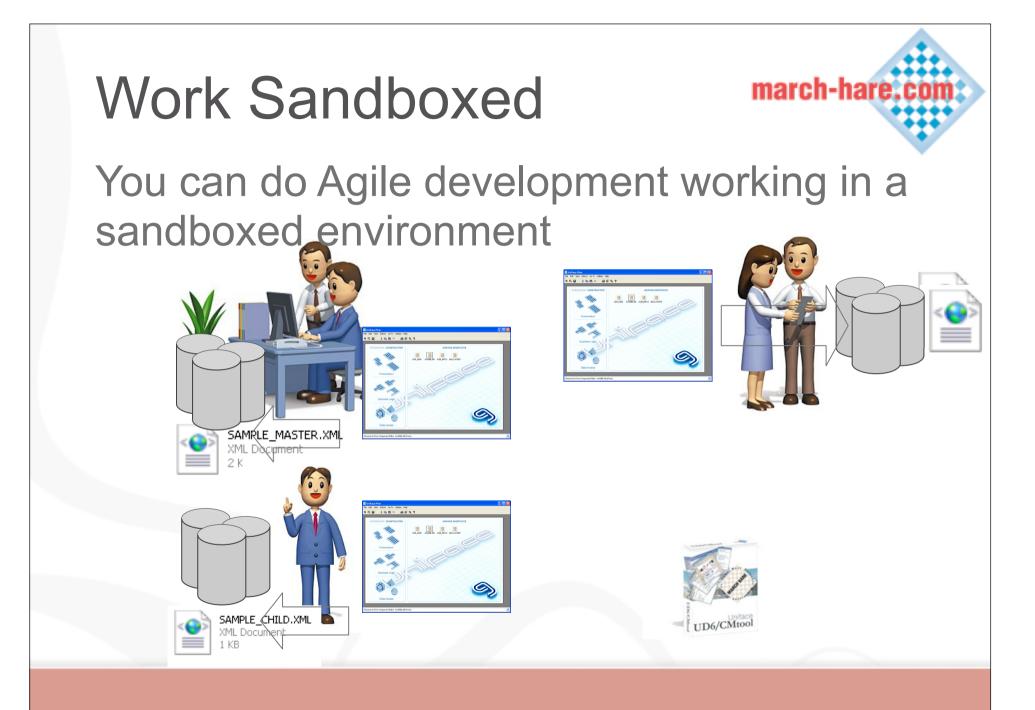


- Build (Make, Maven)
- Version Control (CVS)
 - Automation (Jenkins)

Release

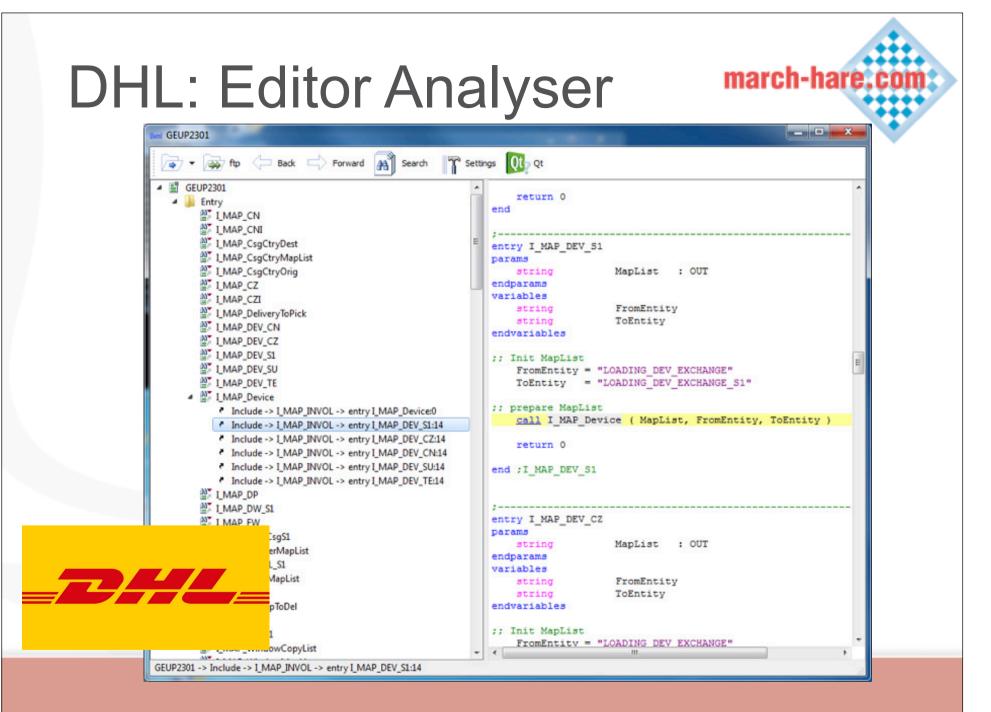
Quality Control (Sonar)

Agile Development



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Carphone: Analyser



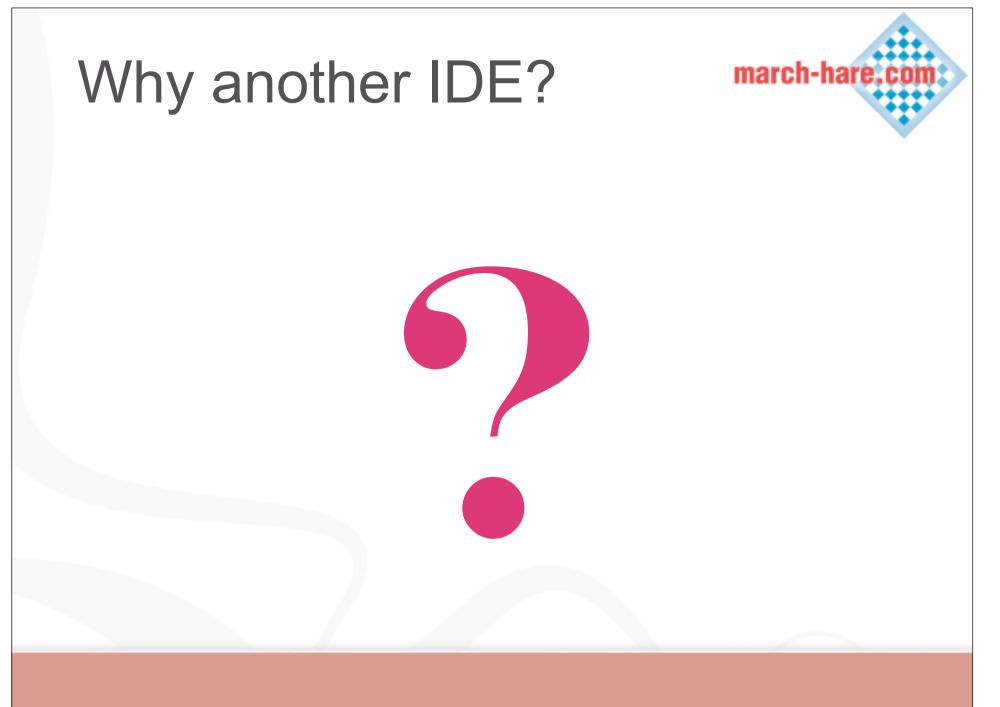
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Operations	2		
Variables	10		
Entities	14		
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CGI: CI with build





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Why another IDE?



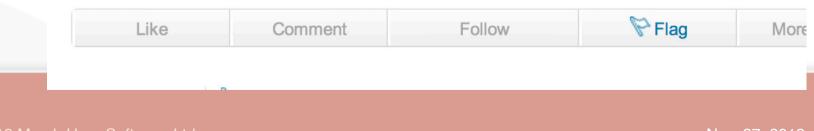
Compuware are actively collaborating with customers looking to improve the IDF.

Linked in 🛛	Account Type	e: Basic I U	pgrade	32	1			
Home Profile	Contacts	Groups	Jobs	Inbox	Companies	News	More	



How should the Uniface 10 IDF work?

- Visual Studio, many buttons & controls
- Eclipse, many buttons & controls
- Theo Unfollow
- Elegant simple webbie look (WaveMaker)
- Just like Uniface 7/8/9





choice is a good thing.

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Why an alternative IDE? march-har

The existing or a new IDF may not be ideal:

- most of your team use a 'standard' editor
- when many technologies are in use the rates of error are higher when switching editors
- you rely on workflow embedded into the editing environment, e.g.: MyLyn, Agile
- an editor that is customizable through open source has particular advantages to your team.
- develop using Linux, Mac OS X, HP-UX etc.
- you need to improve productivity without a Uniface upgrade.

Not looking like IDF



Inheritance look and feel is standardised

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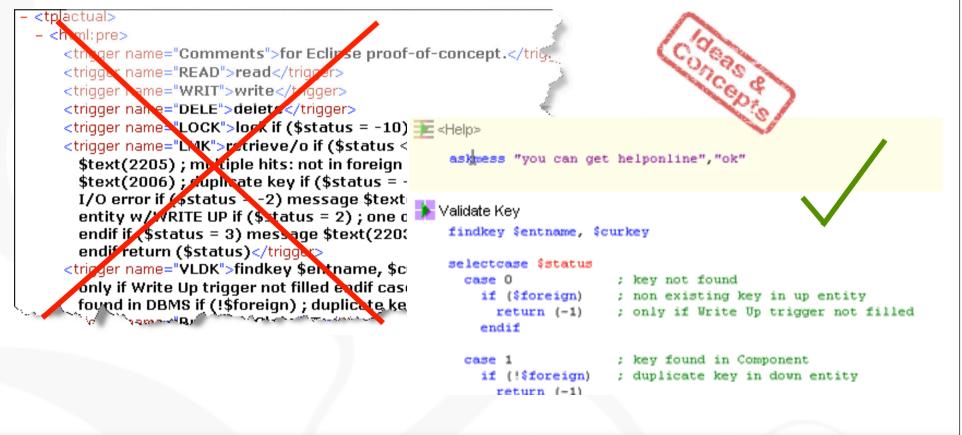
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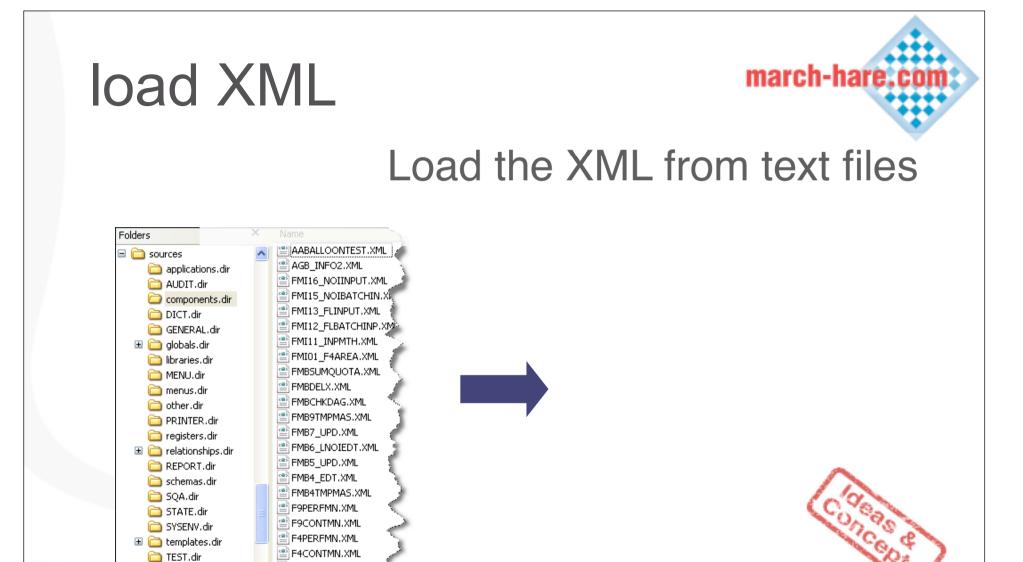
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Display code not XML



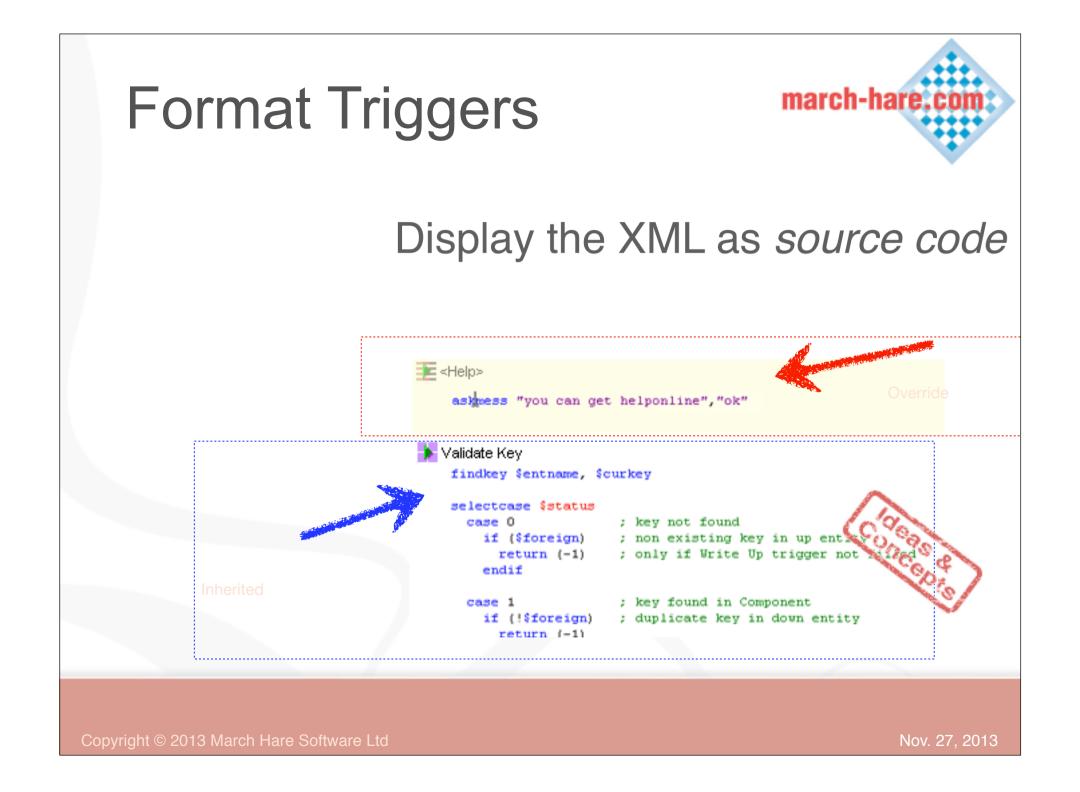
Unified and easy to ready navigate source.





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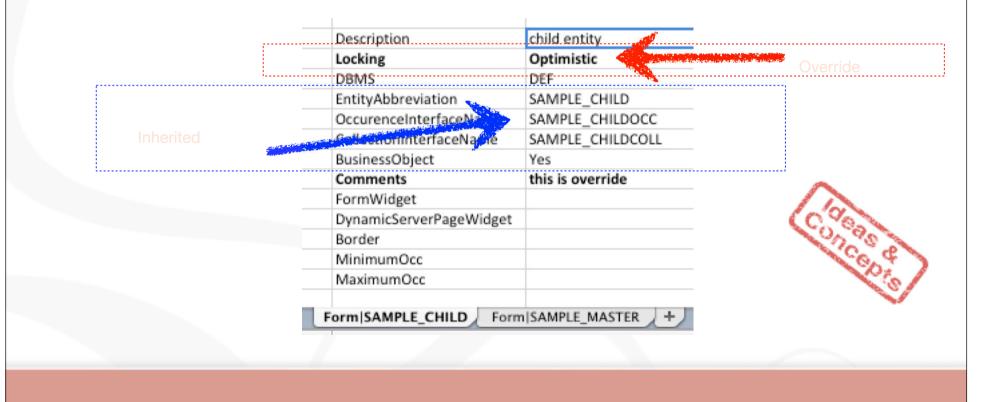
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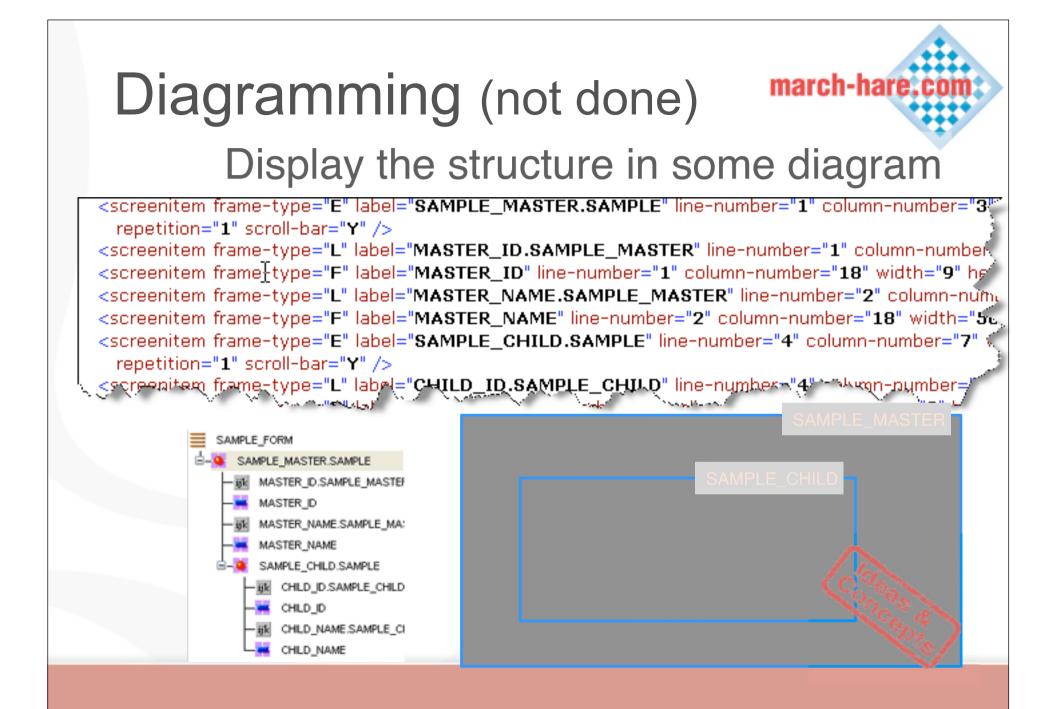


Format Properties



Display the XML as *declarative code*



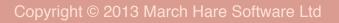




write XML

XML is usually position agnostic, but UD6 source cannot be.

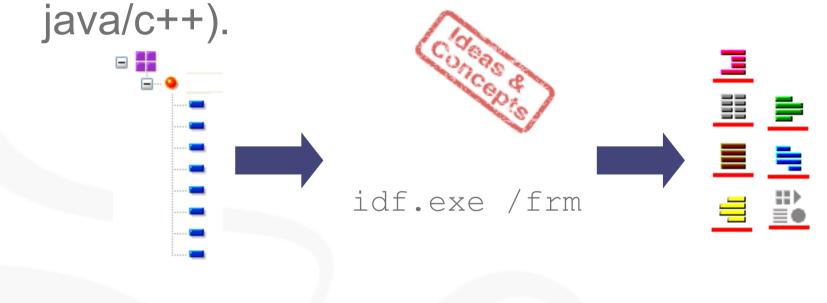




compile

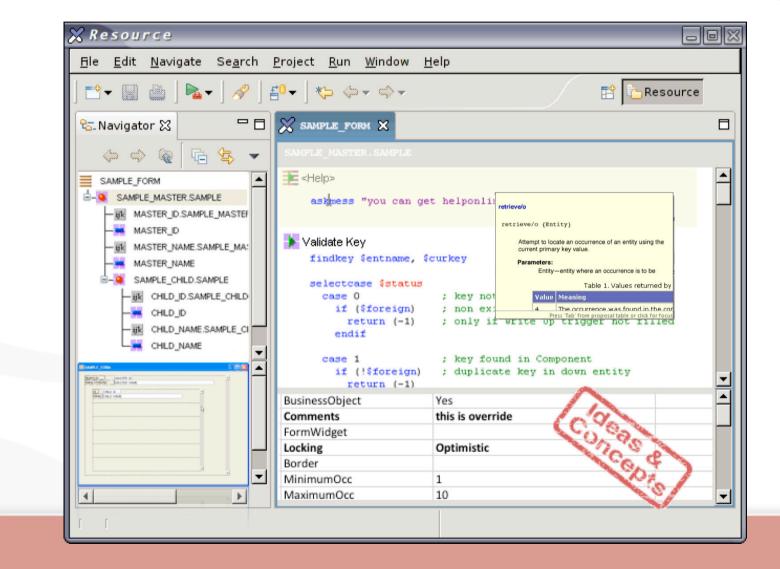


The Eclipse IDE has no knowledge of how to compile Uniface components, so call the Uniface IDE to compile (just like



Mockup - Vaporware



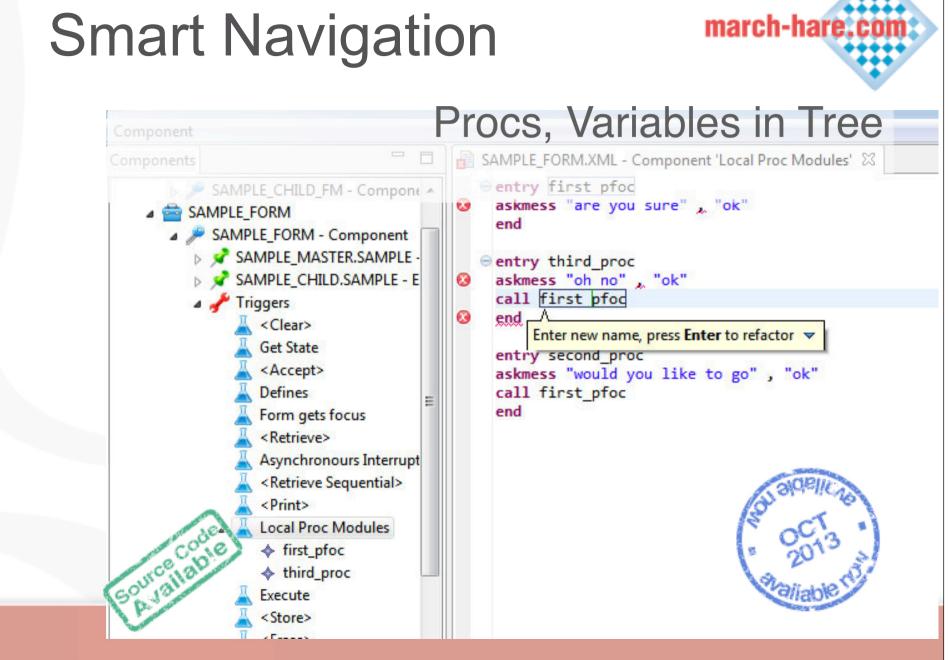


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Available Now



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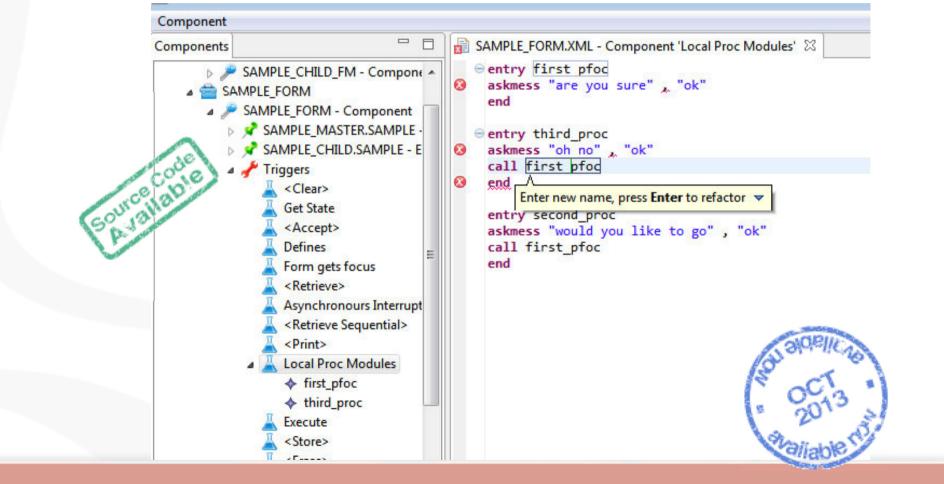


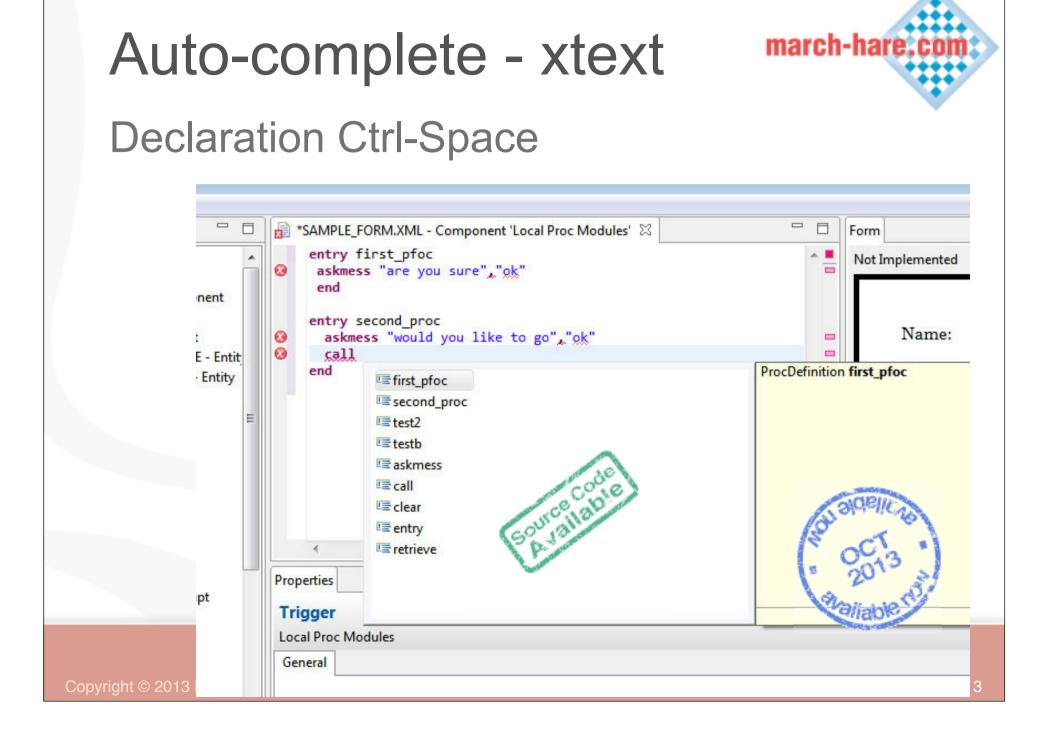
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Refactor - xtext



Refactor Alt-Shift-R





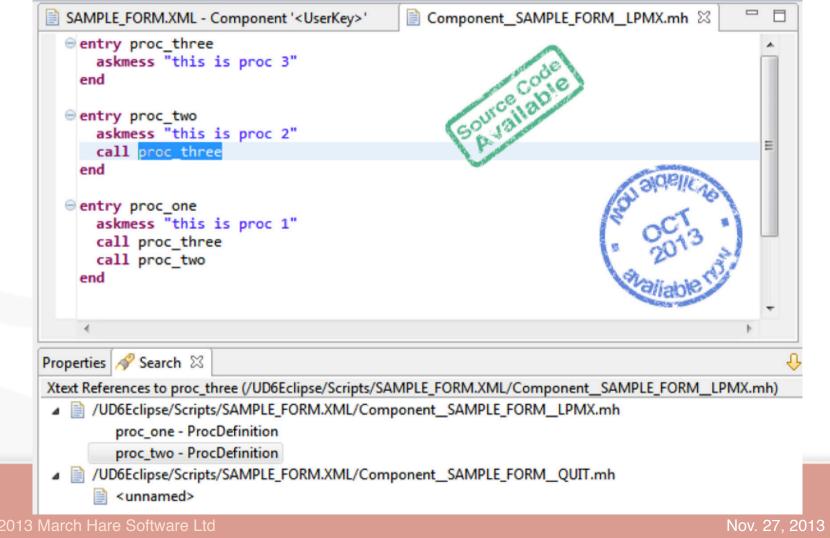
Find march-hai Search Ctrl-H - -SAMPLE_CHILD_FM.XML SAMPLE_FORM.XML - Component '<UserKey>' numeric thisnumber string thisstring endvariables edit ; this 'starts' the form</trigger> Source Code Available <trigger name="CLR"> #ifdefined frmEntity ; Generated three tier component: Delegate clear() to FRM Subtype. ; This allows a uniform implementation that can be invoked ; by other objects too (for example, by a 'Clear' Button). \$collhandle("<frmEntity>")->clear() #else clear #endif 111 Properties 🔗 Search 🖾 Ð 'this' - 614 matches in workspace (*.xml) ⊿ ⇒ components.dir SAMPLE_CHILD_FM.XML (11 matches) 6: the XML file in a default format. This format does not recognise 52: numeric thisnumber ⇒ 53: string thisstring 56: edit ; this 'starts' the form</trigger> ⇒ 60:; This allows a uniform implementation that can be invoked 72: ; This allows a uniform implementation that can be invoked ⇒ 86: ; This allows a uniform implementation that can be invoked 100: ; This allows a uniform implementation that can be invoked 126: This allows a uniform implementation that can be invoked 148: ; This allows a uniform implementation that can be invoked 176: L<html:br/></html:code><html:pre><trigger name="dummy">;this is a dummy trigger SAMPLE FORM.XML (14 matches) UDSPDEF.XML (2 matches) Þ UESVDEE XML (3 matches)

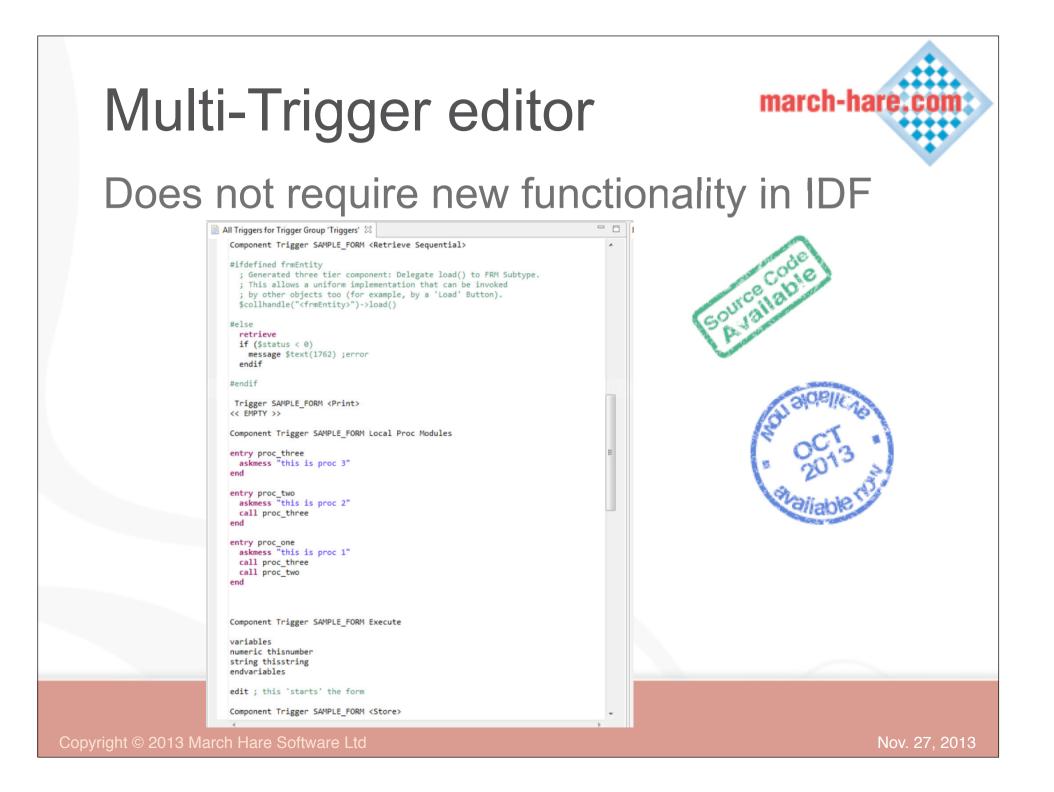
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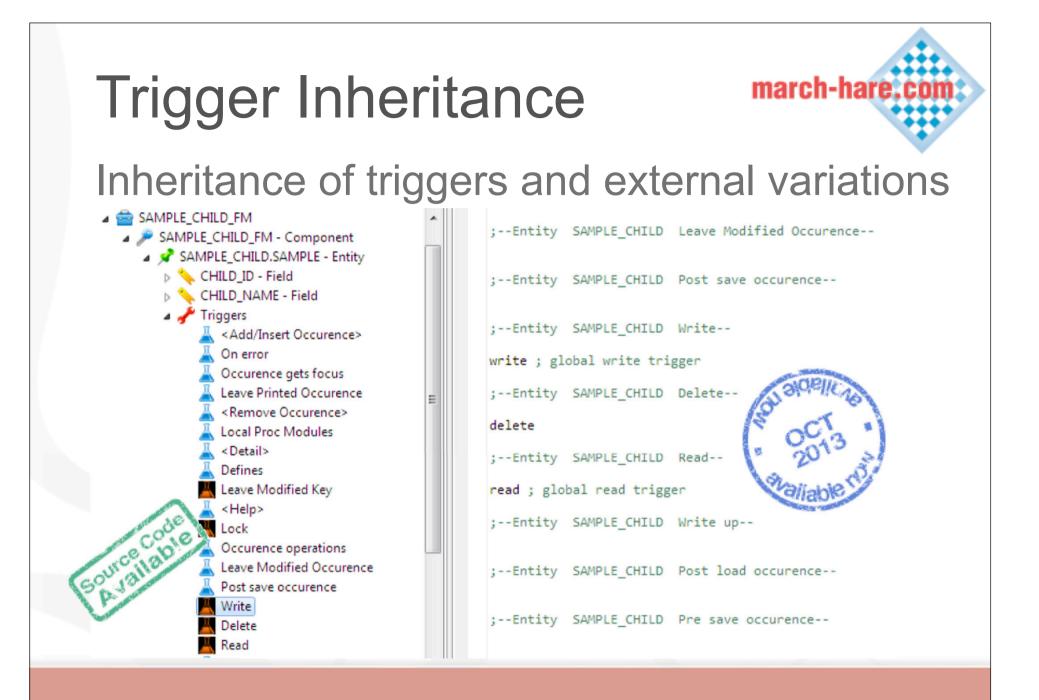
Find references



Search Ctrl-Shift-G





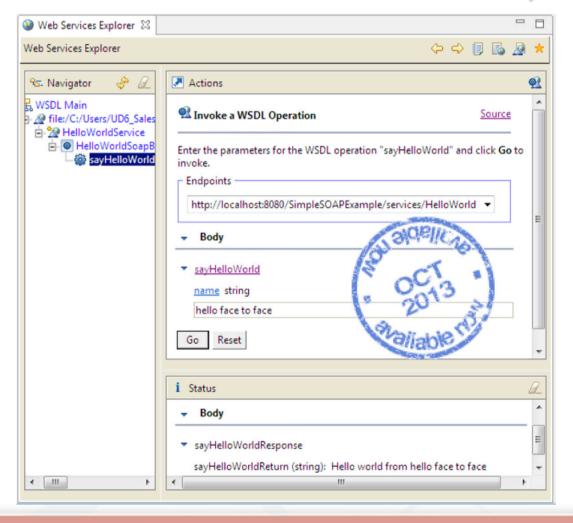


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Web Services Explorer



Quickly test and verify web services

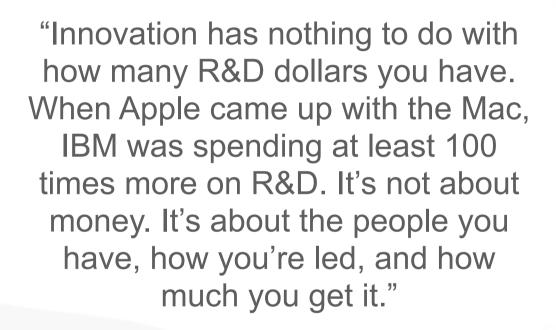


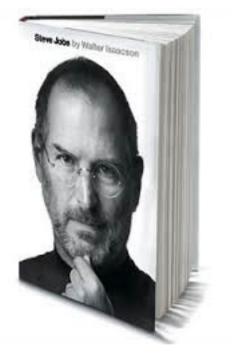
SourceCode

All standard shortcuts Multiple Undo levels: Ctrl-Z Cut: Ctrl-X Copy: Ctrl-C Paste: Ctrl-V etc. etc.



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march-hai

Steve Jobs

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Why Eclipse?



If there is a reason to have another IDE:

- Leverage the work of thousands of other developers and the skills of millions
- Don't need to 'guess' how developers most like to work and what features they really find useful in an IDE - we're using crowdsourced data from a successful IDE
- Can be open to customer customization, and customer directed feature development
- Improve efficiency in teams which are already or will need to be multi-skilled by making it easier to train other programmers in using Uniface tools and development processes.

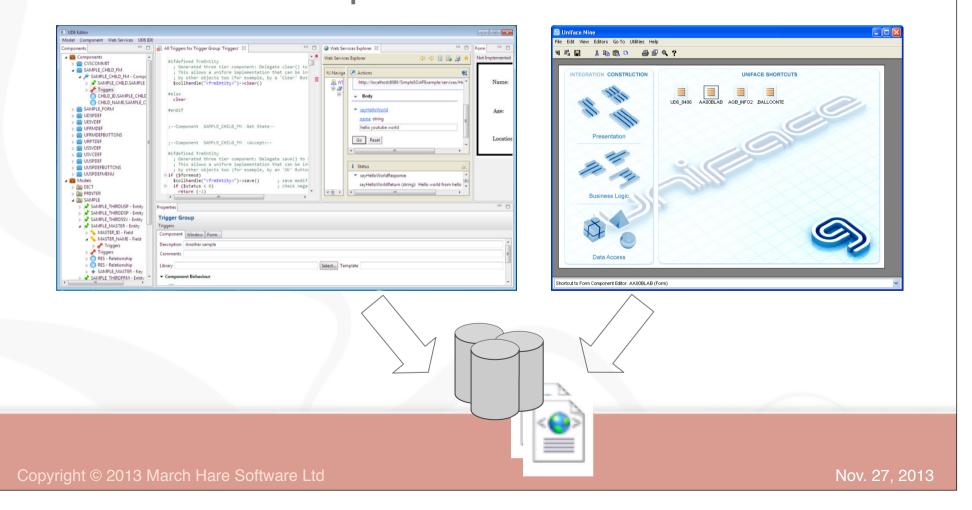


DEMO approx. 519 hours

Didn't attend the conference? See a video of the demo online at: <u>http://theu.info</u>/

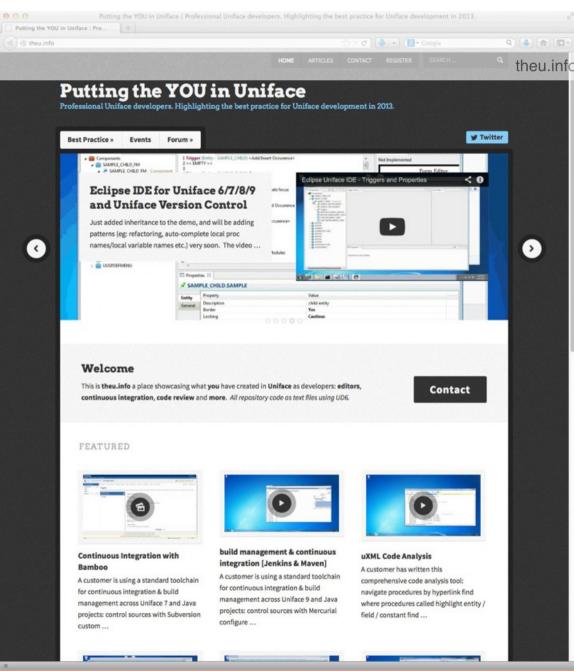
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IDF and Eclipse march-have com Your team can use a mix of both the IDF and the Eclipse IDE at the same time.





march-hare



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UD6IDE Open Source

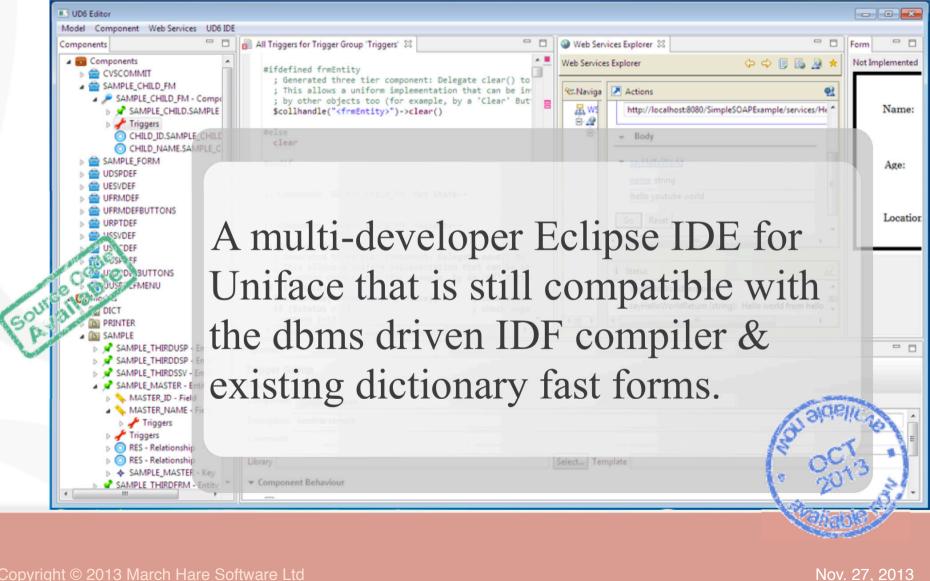


Planned phases are:

- Initial Proof-of-concept
- XText Widget and Multi-Trigger Editor
- Model editor, model wizards, Web Services explorer
- Provide Source code and Contributor process
 Usable TODAY (primarily for contributors)
 we are here
- Language definitions, more properties, more patterns
- Add new component, change detection, local reg., ...
- Formpic diagramming & 'all properties' window
- June 2014 cut-off for community code contributions
- Stable release some time after June 2014

Eclipse IDE for Uniface







Thank You

& Questions

UD6 Editor		
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