



Compuware
UNIFACE[®]

Uniface Product Innovation Roadmap 2011

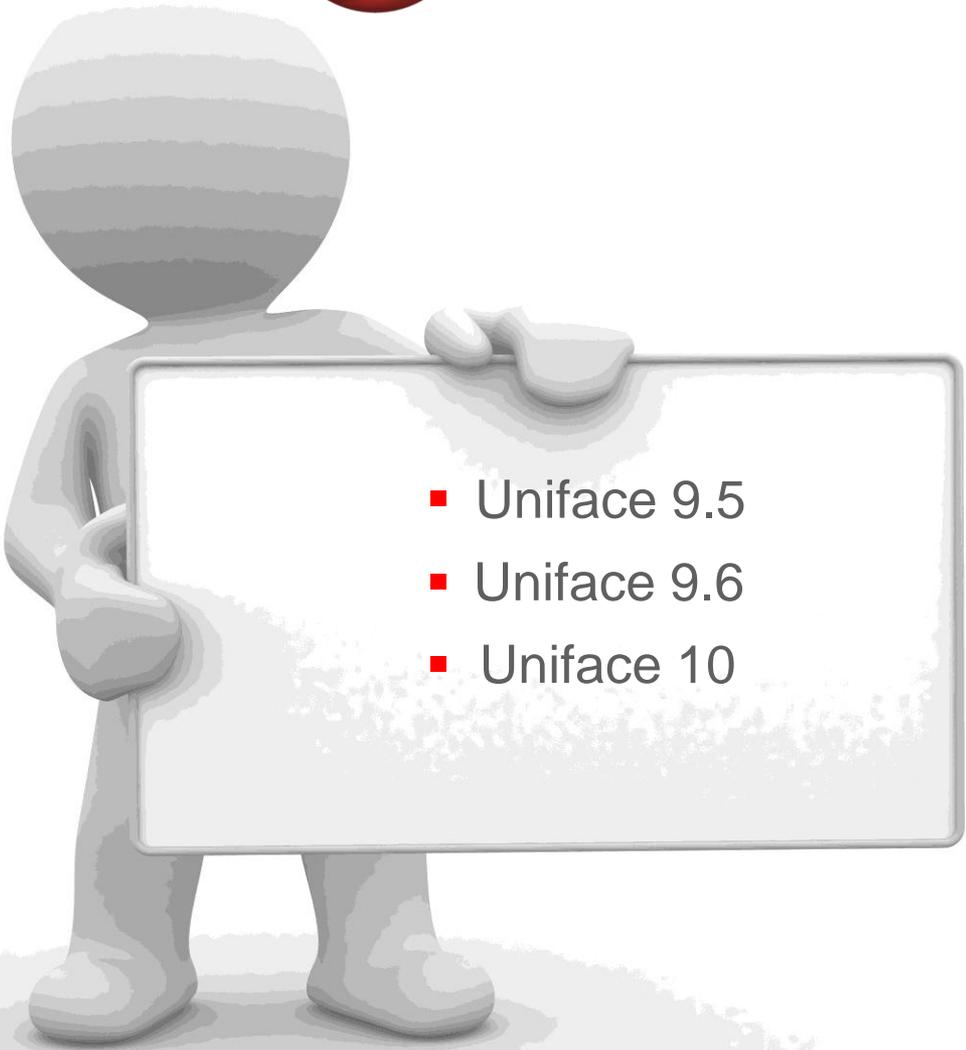
Adrian Gosbell

Director, Product Management, Uniface Product Group





Agenda

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- Uniface 9.5
 - Uniface 9.6
 - Uniface 10

Uniface 9.5

Uniface 9 release schedule

- Uniface 9.5 – Nov 2011
 - RIA Javascript API
 - Web Services XSD
 - Security standards
 - Grid
 - New Proc Statements
 - Installer enhancements
 - Solid
 - JRE

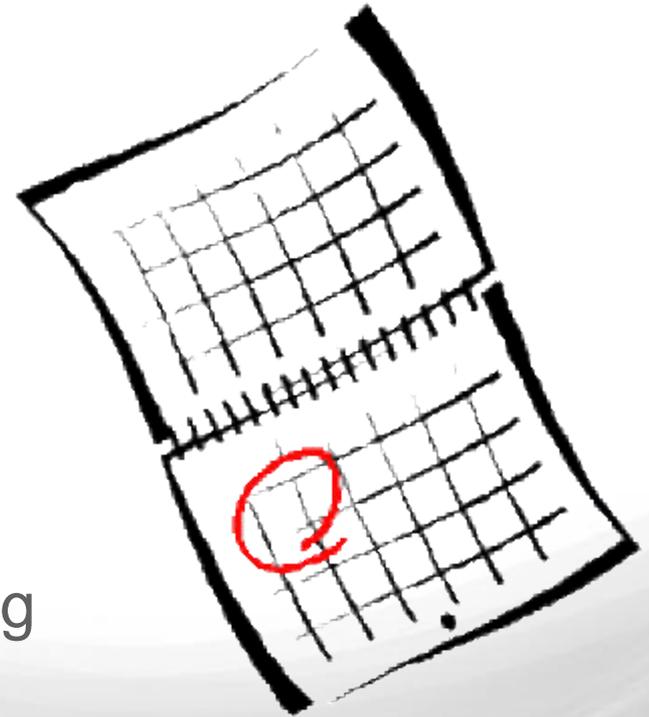


Uniface 9.x

Uniface 9.6 release schedule

Uniface 9.6 – Planned 2012

- Consolidation release
- GUI enhancements
- Foundation for Uniface 10
 - Software
 - Product packaging/positioning



Uniface 9.6

GUI release – our current thoughts

Planned client server GUI enhancements:

New TAB widget



- Tab position, alignment, color, <select event>, etc, etc

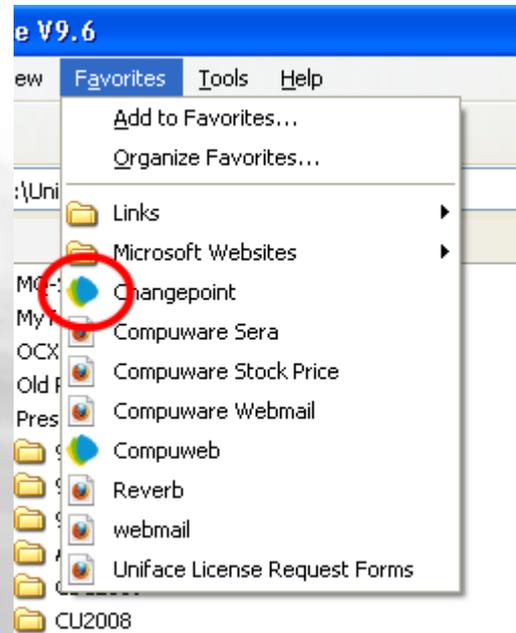
HTML5 Field Widget

- Embed HTML5

Form Container widget

- Embed multiple forms

Images in menus



TabForm2

TabForm3

licked outlook

Uniface 9.6 (continued)

GUI release – our current thoughts

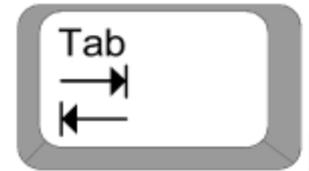
Planning:

Entity attach properties

- Dynamic occurrence display

Tab management

- Dynamically change keyboard tab order
- Simplifies 'mouseless' keyboard navigation



Uniface 10 – initial themes

- Advanced development environment
 - An IDE like development environment
- Cloud deployment
 - Develop applications for the cloud
- Mobile deployment
 - Develop application for platform independent mobile deployment
- Agile development
 - Support the agile development methodology

Uniface 10 – getting the *right* result

Uniface 10 steering group

- Input from Customers, Development, Professional Services and FTS
 - Input throughout the project lifecycle
 - Lab – Technical architects
 - FTS – Contact point with the customer base
 - PS – *Real* users, in the *real* world



Uniface 10 – reality check(s)

Compuware external touch points

- Industry sanity checks
 - Briefings with industry analysts
- Customer feedback
 - Discussions with customers.
- Controlled release(s)
 - Feedback from end users



R&D Uniface 10: A first look at the UDE

Navigate direct from Message frame to actual code:

The screenshot shows the COMPERROR application window. The title bar reads "COMPERROR". The main area is divided into several sections:

- Enter ComponentName:** A text field containing "UBROWSE" with a green highlight. To its right are "Compile" and "Next Error/Line" buttons.
- Reference =:** A text area containing:
Trigger = Local Proc Modules
Trigger = LPMX
LinrNr = 710
DbmsLink = GENERAL.UFORM.DICT
- Info:** A text area containing "Local variable 'MID' is not referenced."
- Code Structure:** A list of code lines with line numbers 695 to 713. The structure is as follows:
 - 695 Entry FormatTree
 - 696 Params
 - 697 String Key: Out
 - 698 String Type: Out
 - 699 String Text: Out
 - 700 String Object: Out
 - 701 String Data: Out
 - 702 EndParams
 - 703 Variables
 - 704 String ReferenceType
 - 705 String Reference
 - 706 String ObjectType
 - 707 String Fem
 - 708 String Trig
 - 709 String Sid
 - 710 String Mid
 - 711 String Total
 - 712 String GrandTotal
 - 713 EndVariables
- Error Log:** A table of error messages with columns for ID, MESSAGE, MSGTYPE, FULLNAME, MOD, FFR, TRG, and TRF. The messages are:
 - 150 ID=1302 MESSAGE=Local variable "SUBLIST" is not referenced. MSGTYPE=Info FULLNAME=cpt/ubrowse.cpt MOD=118 FFR=e TRG=16
 - 151 ID=1302 MESSAGE=Local variable "STR" is not referenced. MSGTYPE=Info FULLNAME=cpt/ubrowse.cpt MOD=139 FFR=e TRG=16 TRF
 - 152 ID=1302 MESSAGE=Local variable "MID" is not referenced. MSGTYPE=Info FULLNAME=cpt/ubrowse.cpt MOD=51 FFR=e TRG=16 TRF
 - 153 ID=1302 MESSAGE=Local variable "TOTAL" is not referenced. MSGTYPE=Info FULLNAME=cpt/ubrowse.cpt MOD=51 FFR=e TRG=16 TRF
 - 154 ID=1302 MESSAGE=Local variable "GRANDTOTAL" is not referenced. MSGTYPE=Info FULLNAME=cpt/ubrowse.cpt MOD=51 FFR=e TRG=16 TRF
 - 155 ID=1302 MESSAGE=Local variable "CURSOR" is not referenced. MSGTYPE=Info FULLNAME=cpt/ubrowse.cpt MOD=224 FFR=e TRG=16
 - 156 ID=1305 MESSAGE=Component: '<unknown>.MYOPERATION' Not found: Can't verify correct number of arguments. MSGTYPE=Warning FULLNAM

R&D Uniface 10: A second look at the UDE:

Auto completion of code!

```
Proc  
1  #ifdefined frmEntity  
2  
3  _$collhandle["<frmEntity>"]->.save()!  
4  
5  #else  
6  store  
7  if ($status < 0)  
8  message $text(1500)  
9  rollback  
10 else  
11 if ($status = 1)  
12 mes  
13  
14 message  
15 message/clear  
16 message/error  
17 message/hint  
18 message/info  
19 endif  
20 endif  
21 endif  
22 #endif
```

Uniface 10 – schedule

Uniface 10.01

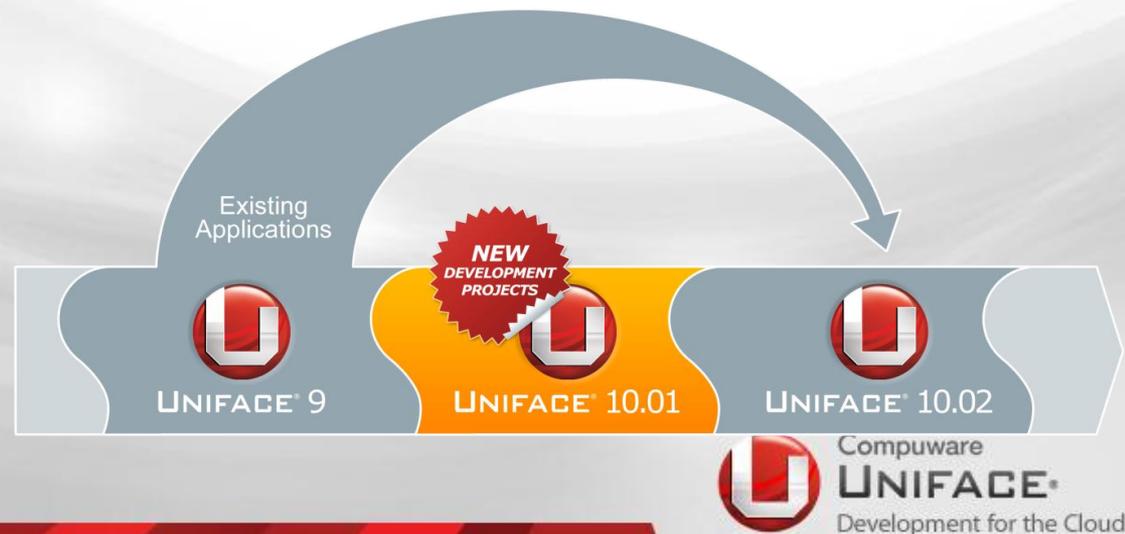
- Planned initial release Dec 2012
- Targeted for new development projects
 - New customers
 - New projects within existing customers
- Develop applications for the cloud/web
- With a new Uniface IDE!



Uniface 10 – schedule

Uniface 10.02

- Planned availability Dec 2013
- Migration path for existing customers
- With a new Uniface IDE!
- Ongoing maturity of the Uniface 10 themes



Uniface 3 year plan

Planned Date	Release	Functionality	Targeted customer 'audience'
Nov 2011	Uniface 9.5	<ul style="list-style-type: none">• RIA• Web Services• GIU	Existing
June 2012	Uniface 9.6	<ul style="list-style-type: none">• GUI	Existing
Dec 2012	Uniface 10.01	<ul style="list-style-type: none">• Advanced development	New
Dec 2013	Uniface 10.02	<ul style="list-style-type: none">• Cloud deployment• Mobile development• Agile development	New/Existing

Thank You & Questions



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