Modernizing Uniface 9.7
in 10 easy steps

Theo Neeskens
Solution Architect
October 2nd 2015

UNIFACE

Advanced Development Technology

Requirements:

- New Start Page

- White Background

- Flat Buttons

- Fresh

- Different from 9.6

- Low cost

- *Blog post and tools to help our customers to modernize their applications:*
  http://unifaceinfo.com/modernizing-uniface-9-7-in-10-easy-steps/

UNIFACE
Advanced Development Technology

Start Page

Development ACME Project - [Start]

File Edit View Editors Go To Utilities Help

Mobile

Web

Desktop

Integration

Model
Define the data definitions and default behavior for Uniface components accessing the data

Startup Shell
Define the properties of the startup shell used to execute the application

Form
Define the user interface for Windows applications

Report
Develop components that are used to print data

Service
Separate business from presentation logic or provide functions or calculations that can be used by multiple components

Uniface Community
Links to Uniface resources on the Web

Type	Shortcut	Description	Creation Time
	AAA_0	Shortcut to Form Component Editor: AAA_0 (Form)	25-aug-15 11:50:41

6226 - No permissions found; using default values.

File Edit View Editors Go To Utilities Help

WORKFLOW INTEGRATION CONSTRUCTION

Report

Form

Static Server Page

Dynamic Server Page

PRESENTATION

Entity Service

Session Service

Service

BUSINESS LOGIC

Load Definitions

Model

Entity

DATA ACCESS

6226 - No permissions found; using default values.

www.uniface.com

UNIFACE
Advanced Development Technology

Start Page

- ▲ **Inspiration: Windows 10, 8 styling and color schemes**
- ▲ **Four Themes: Mobile, Web, Desktop, Integration**
- ▲ **Editor Shortcuts to most used editors per Theme**
- ▲ **Re-styled Shortcut area**
- ▲ **Different!**
- ▲ **Customizable**

UNIFACE
Advanced Development Technology

Themes

- **Mobile, Web Desktop and Integration**
  Instead of Workflow, Integration and Construction

- **Per Theme only the most used "Editors"**

- **Editors are customizable**

UNIF**A**CE
Advanced Development Technology
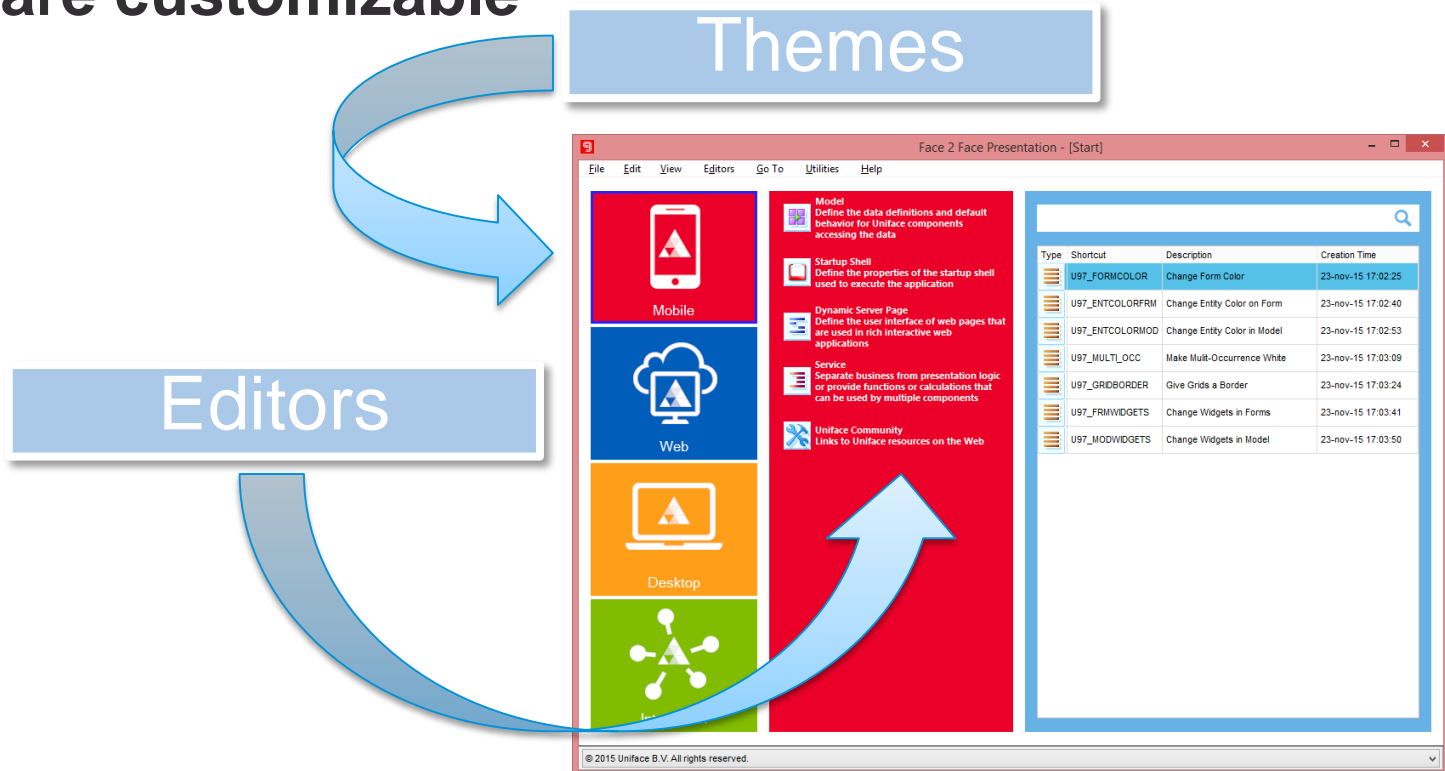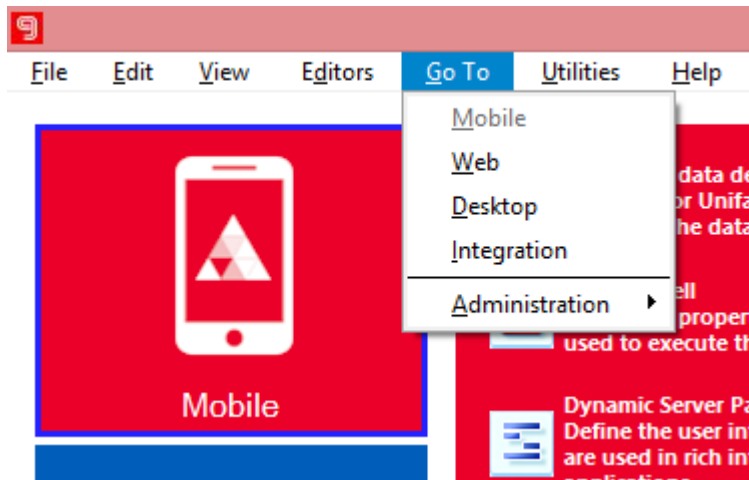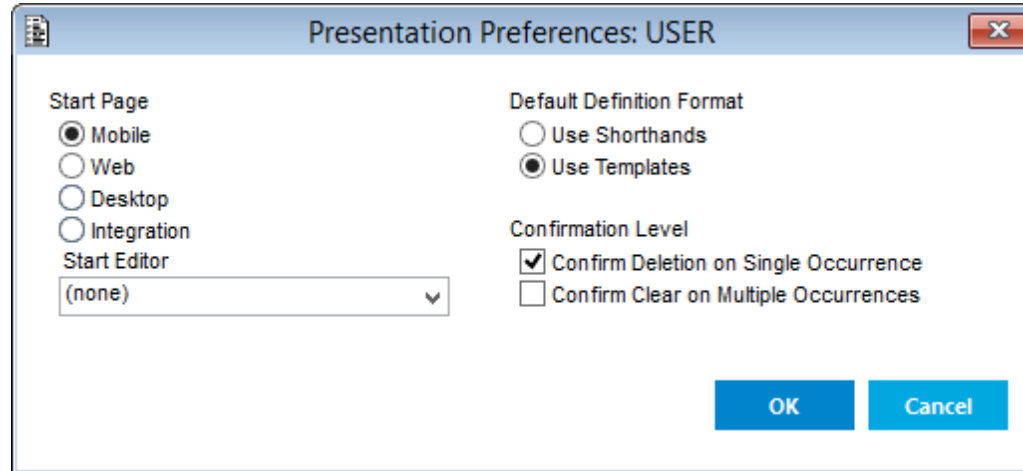
Themes

Themes

```
startpage.def

 1    <UUWKSP36ADM>
 2     <WKSPCAT.DUMMY>
 3      <OCC>
 4       <CAT>MOBILE</CAT>
 5       <BUTTONTEXT>Mobile</BUTTONTEXT>
 6       <BUTTONIMAGE>^U9_MOBILE</BUTTONIMAGE>
 7       <TYPES>CONC,APPL,EXTD,EXTS,RESO</TYPES>
 8      </OCC>
 9      <OCC>
10       <CAT>WEB</CAT>
11       <BUTTONTEXT>Web</BUTTONTEXT>
12       <BUTTONIMAGE>^U9_WEB</BUTTONIMAGE>
13       <TYPES>CONC,APPL,EXTD,EXTW,EXTS,RES
14      </OCC>
15      <OCC>
16       <CAT>DESKTOP</CAT>
```

```
startpage.def

25       <TYPES>CONC,APEX,SPEC,EXTW,EXTS,RESO</TYPES>
26      </OCC>
27     </WKSPCAT.DUMMY>
28     <WKSPOBJ.DUMMY>
29      <OCC>
30       <OBJTYPE>APEX</OBJTYPE>
31       <ICON>^U9_SC_APEX</ICON>
32       <NAME>Component Integration</NAME>
33       <DESCRIPTION>Organize components into subsystems
34      </OCC>
35      <OCC>
36       <OBJTYPE>SPEC</OBJTYPE>
37       <ICON>^U9_SC_SPEC</ICON>
38       <NAME>Signature</NAME>
39       <DESCRIPTION>Define the signatures for Uniface a
40      </OCC>
41      <OCC>
42       <OBJTYPE>APPL</OBJTYPE>
43       <ICON>^U9_SC_APPL</ICON>
```

UNIFACE
Advanced Development Technology

Shortcuts

▲ **Shortcut creation and handling unchanged**

▲ **As many shortcuts as you need!**

▲ **Filtering on Name**

▲ **Sorting on all columns in Grid**

▲ **One set, not one per Theme**

UNIF▲CE
Advanced Development Technology
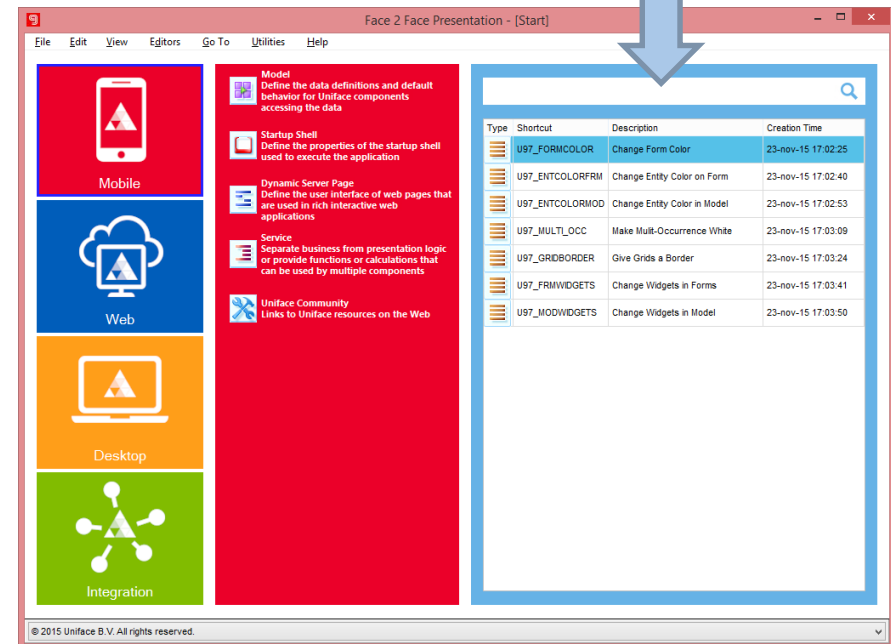
Modernization UDE

Customize – uniface\adm\usys.ini

- ▲ **Theme and Editor Shortcut button fonts**
  [screen]
  IDFCategories=Microsoft Sans Serif,13,regular ;- Theme buttons
  IDFButtonText=Segoe UI,Western,8,bold ;- Editor shortcut buttons

- ▲ **Color of shortcut area frame**
  [areaframes]
  SHORTCUTS=uframe(backcolor=#66B2E6;attach=hsize,vsize)

- ▲ **Profile and Shortcut fields properties**
  [widgets]
  IDFSpeedSearch=ueditbox(font=editfont;onedit=T)
  IDFTextCell=ueditbox(font=editfont)

UNIFACE
Advanced Development Technology

Modernization UDE

Customize – uniface\adm\usys.ini

▲ **Split between common and uniface ini file**

▲ **New IDF logical widgets are not selectable in Field Definition forms.**

Not to be used by customer apps, we can change or remove these.

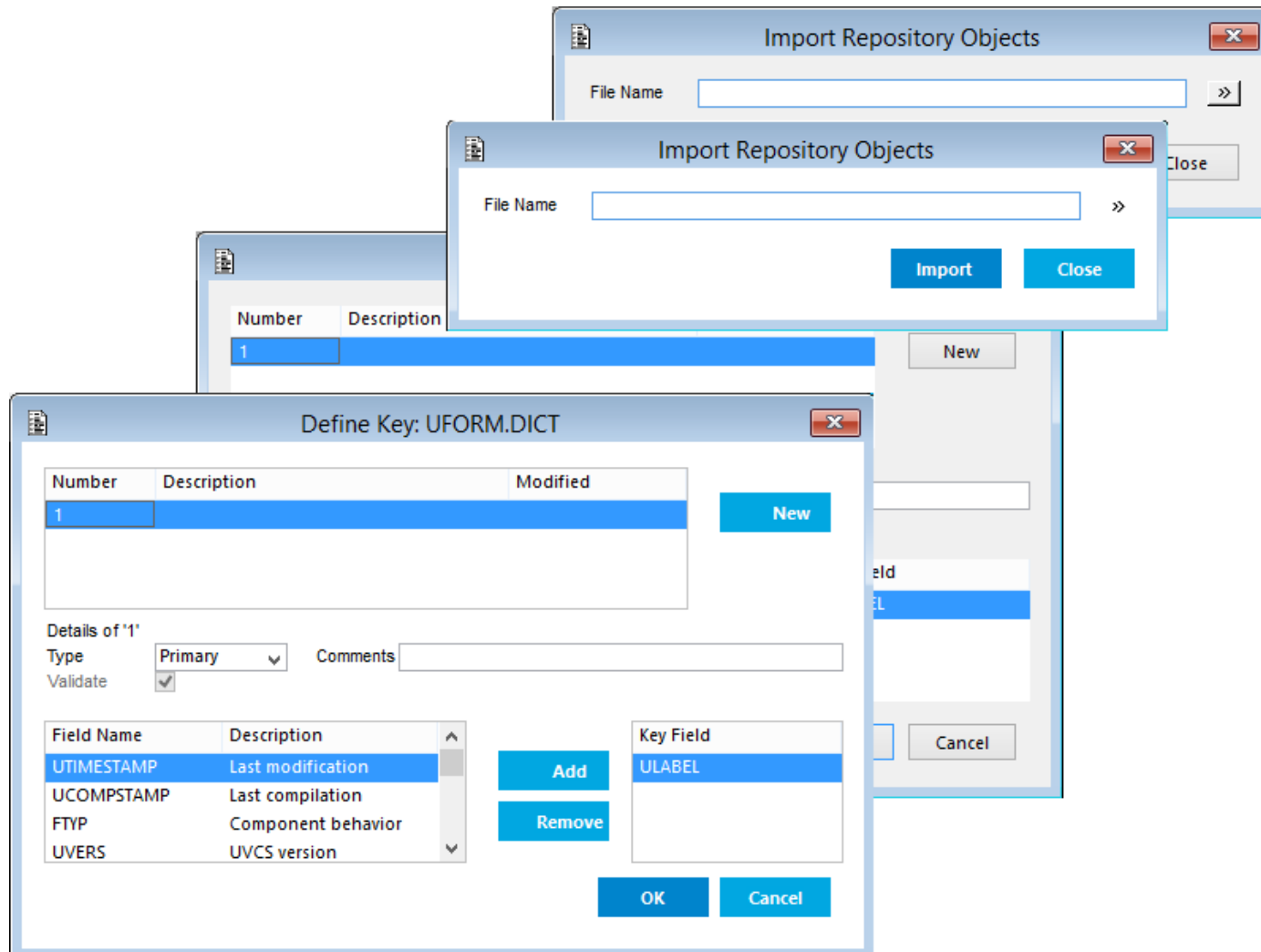To unhide the secret widgets:
[developer]

ShowFilteredWidgets = IDF

UNIFACE
Advanced Development Technology

Colors and Buttons

and menus and panels

UNIFACE

Advanced Development Technology

White Background

White Background

Seems simple, just change INI setting:

```
[application]

window=uwindow(backcolor=white)

shell=ushell(backcolor=#F9FCFF)

menu=umenu(backcolor=white;forecolor=black;backcol
orselect=#0084CC;forecolorselect=white;backcolorfi
ll=flat)
panel=upanel(backcolor=white;backcolorhover=white;
backcolorlocked=#55C1E8;backcolorselect=#97D5EC;bo
rdercolorhover=#55C1E8;bordercolorlocked=#0084CC;b
ordercolorselect=#0084CC)
```
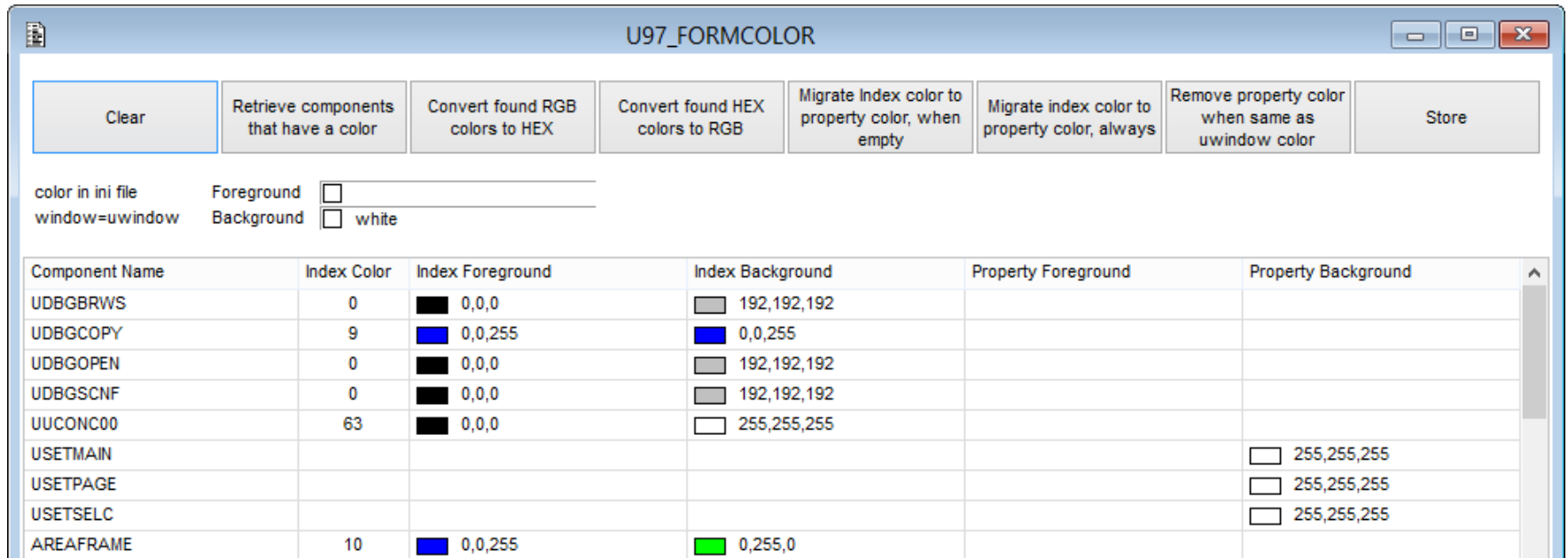
UNIFACE
Advanced Development Technology

White Background

But:

⚠ Step 1: Some Forms have a color set
   Remove that!

White Background

But:

▲ Step 2: Some Entities on Forms have a color set
Remove that!

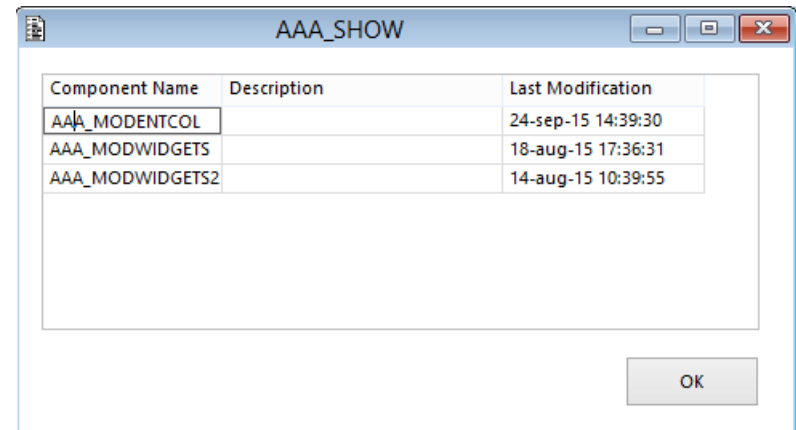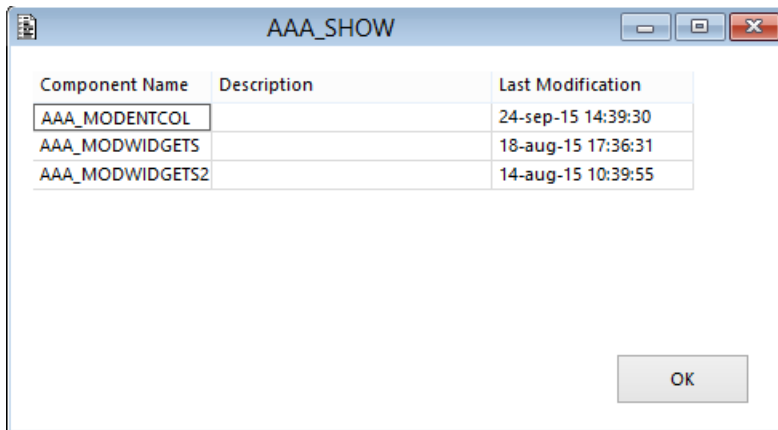▲ Step 3: Some Modeled Entities have a color set
Remove that!

Componen

UNIFACE
Advanced Development Technology
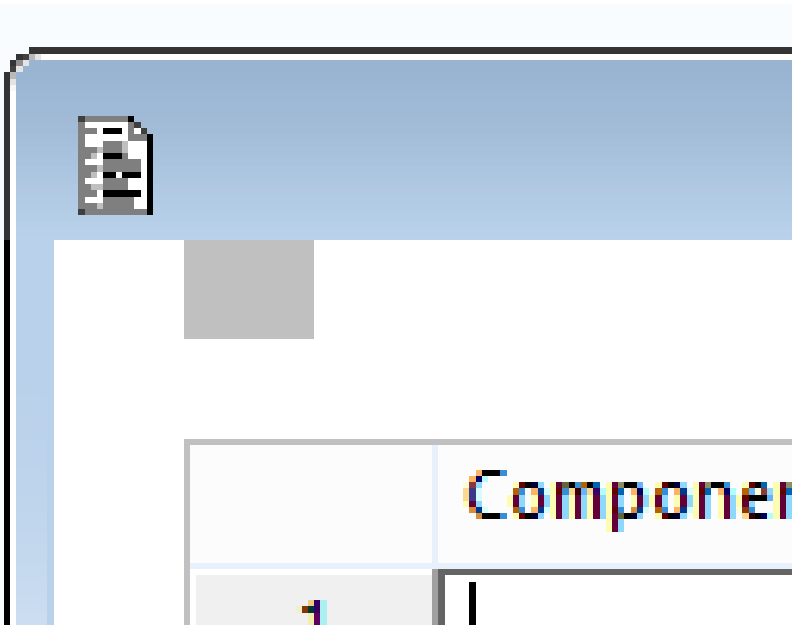
White Background

But:

▲ Step 4: Grid widget "disappears" (white on white)
Apply properties to give it a border (new in 9.7)
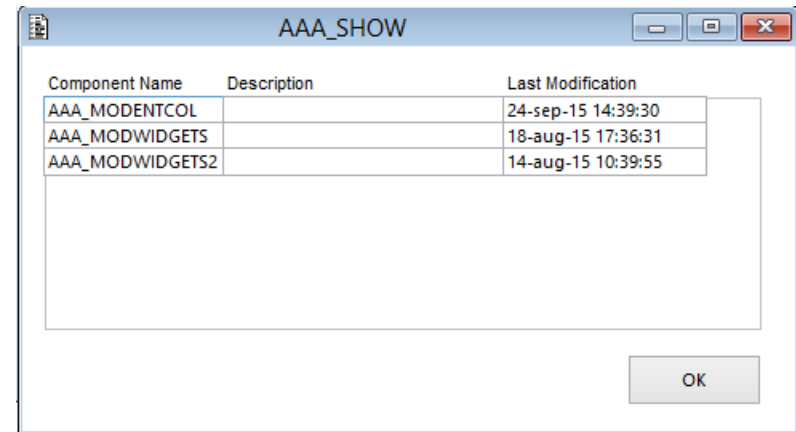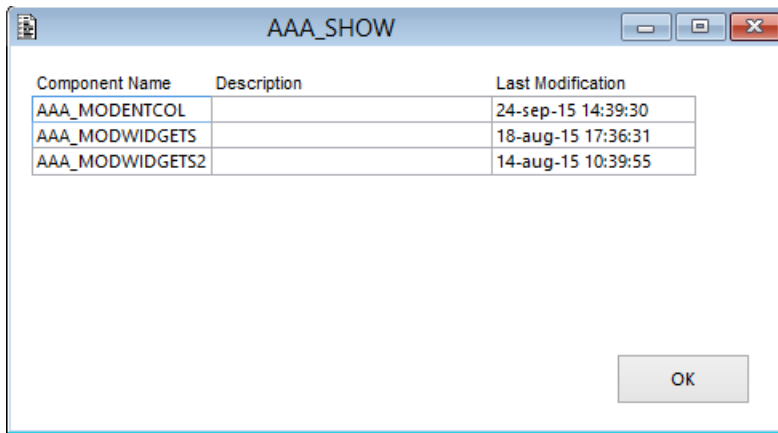
BorderType=Flat
BorderColor=Silver

UNIFACE
Advanced Development Technology

White Background

But:

▲ Step 5: "Simulated grids" made from normal Entities disappear
Make these white again and apply border properties (new in 9.7)

BorderType=Flat
BorderColor=Silver

New entity properties:
BorderColor, BorderType, BorderRadius, DropShadowColor, BackColorStart,
BackColorFill, GradientStart, Attach, AttachMargin

UNIFACE
Advanced Development Technology

Flat Buttons

Interface   Template ⌄   [_____]   »

Syntax   Template ⌄   [_____]   »

Layout   Template ⌄   [_____]   »

                                      »

Comments   [_____]   »

                                      »

OK   **Cancel**

[_____]

OK   Cancel

UNIFACE
Advanced Development Technology

Flat Buttons

Seems simple, just change INI setting, but:

⛰ Step 7: Determine types of buttons
Split Command Button in five logical widgets

⛰ IDFButtonBottom, for the big text buttons at the bottom of Forms

⛰ IDFButtonSide, for the big text buttons at the right-hand side of Forms

⛰ IDFButtonSpecial, for the buttons that do not fall in any of the other categories

⛰ IDFButtonImage, for the very small buttons with an image on them, like the >> button

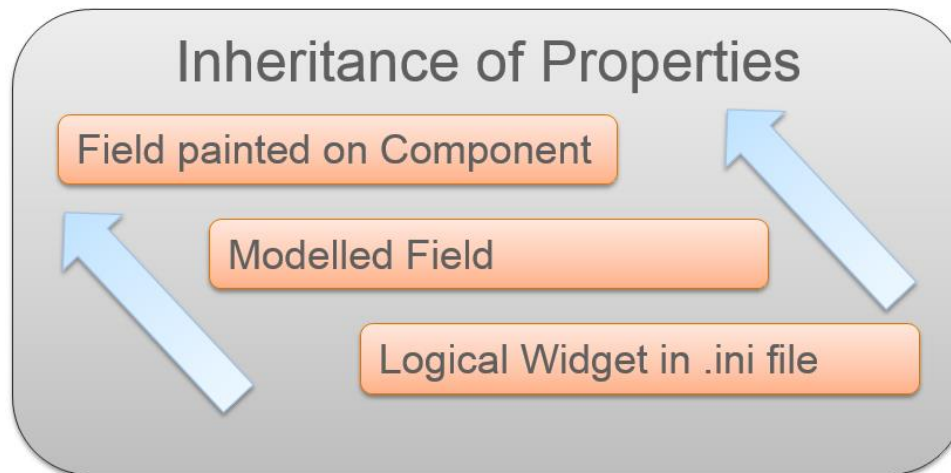⛰ IDFButtonHeader, for the buttons that form the headers of simulated grids

UNIFACE
Advanced Development Technology

Flat Buttons

Seems simple, just change INI setting, but:

- ▲ Step 8: Match modeled widgets with painted widgets
  Put most used logical widget in model

- ▲ Step 9: Set properties on painted buttons
  Remove as much as possible, to enable control via .ini

- ▲ Step 10: Set properties on modeled buttons
  Remove as much as possible, to enable control via .ini

Inheritance of Properties

Field painted on Component

Modelled Field

Logical Widget in .ini file

UNIFACE
Advanced Development Technology

Flat Buttons

UNIFACE
Advanced Development Technology

Fresh

- Blue colors were selected for:
  - Buttons
  - Menus
  - Panels
  - Application Shell

UNIFACE
Advanced Development Technology

Different from 9.6

UNIFACE
Advanced Development Technology
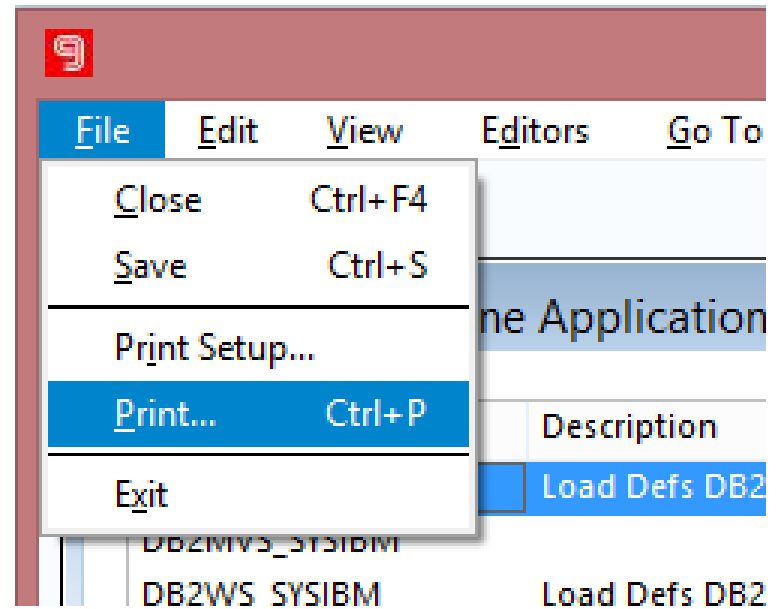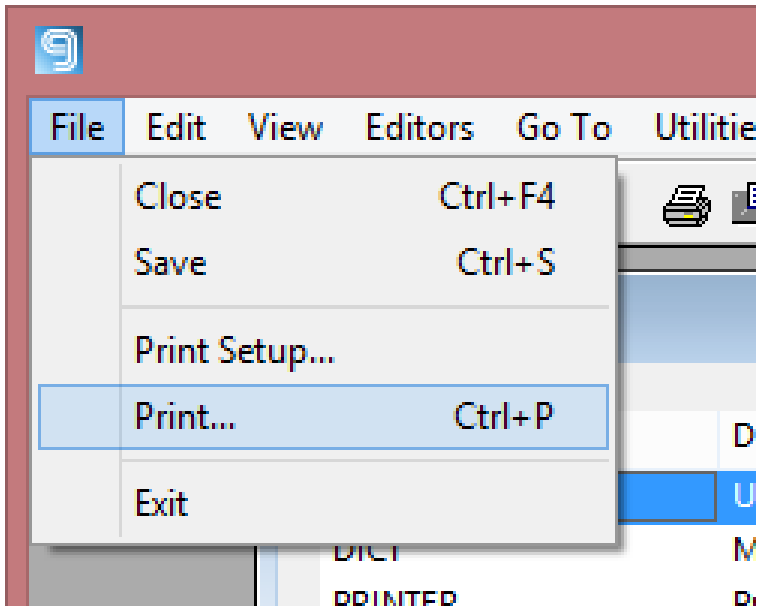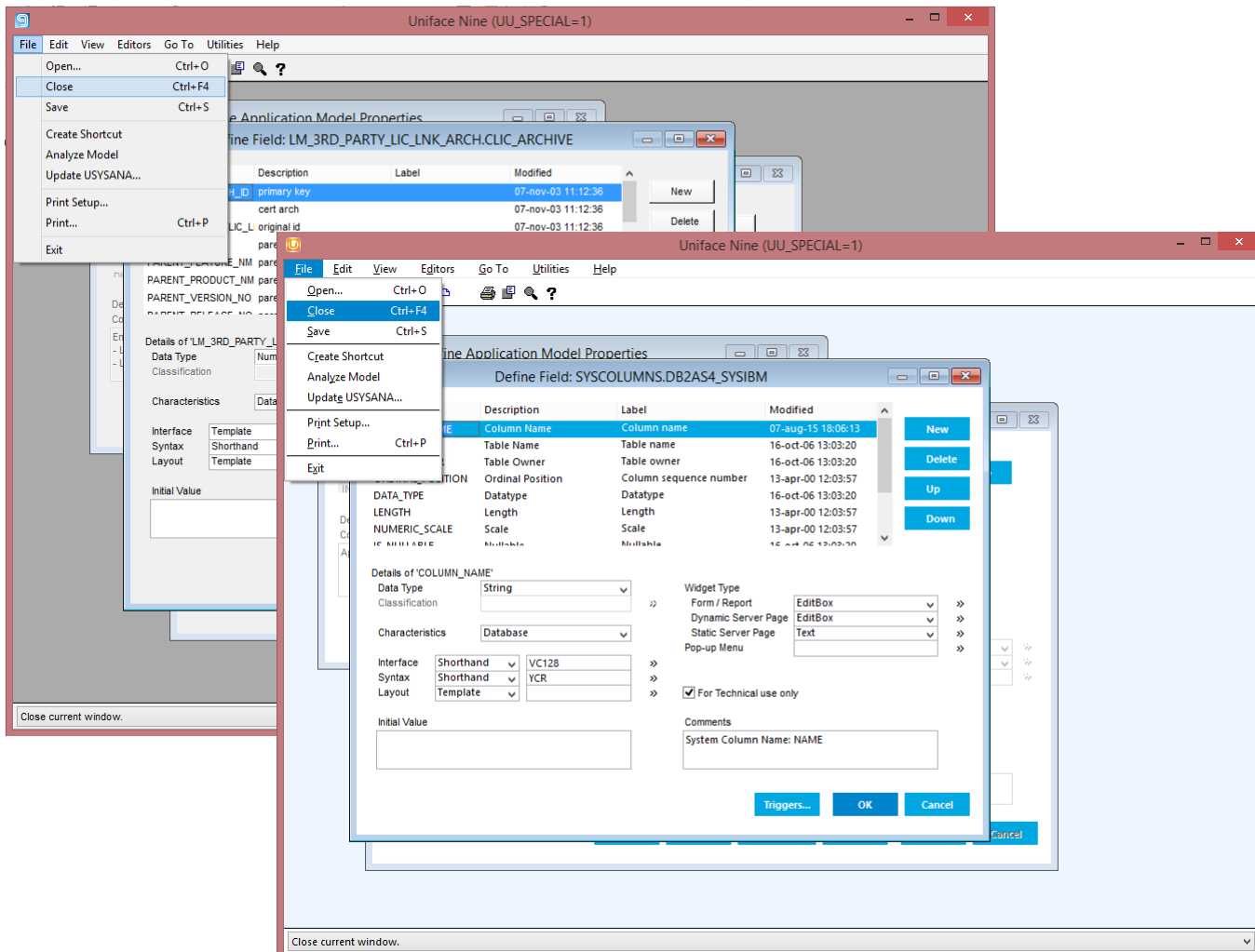
Details

See blog post on uniface.info for:

- ▲ More details on each step

- ▲ Download tools for each step

DISCLAIMER
The tools described in this posting are not supported Uniface software. You can download them and use them, modify to your own taste and use them at your own risk. You need the DICT model to be present in your Repository before you can compile and use the tool. Be absolutely sure you have a backup of your dictionary before using any of these tools! You can download the tools <u>here</u>. If you make an improvement to these tools that might be useful to the community, please share it.

UNIF▲CE
Advanced Development Technology

One more thing…

UNIFACE

Advanced Development Technology

Set IDF Title Bar

▲ Set the title of your IDF in your ASN file

[logicals]

IDFTITLE = Development ACME Project

UNIFACE
Advanced Development Technology

Thank You!

Q&A

More details:
http://unifaceinfo.com/modernizing-uniface-9-7-in-10-easy-steps/

UNIFACE

Advanced Development Technology

Follow us online

uniface.com