



Compuware
UNIFACE[®]

Deployment new style

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UNIFACE USER EVENTS

UNIFACE 9.6

UNIFACE 10

MODERNIZATION

Agenda

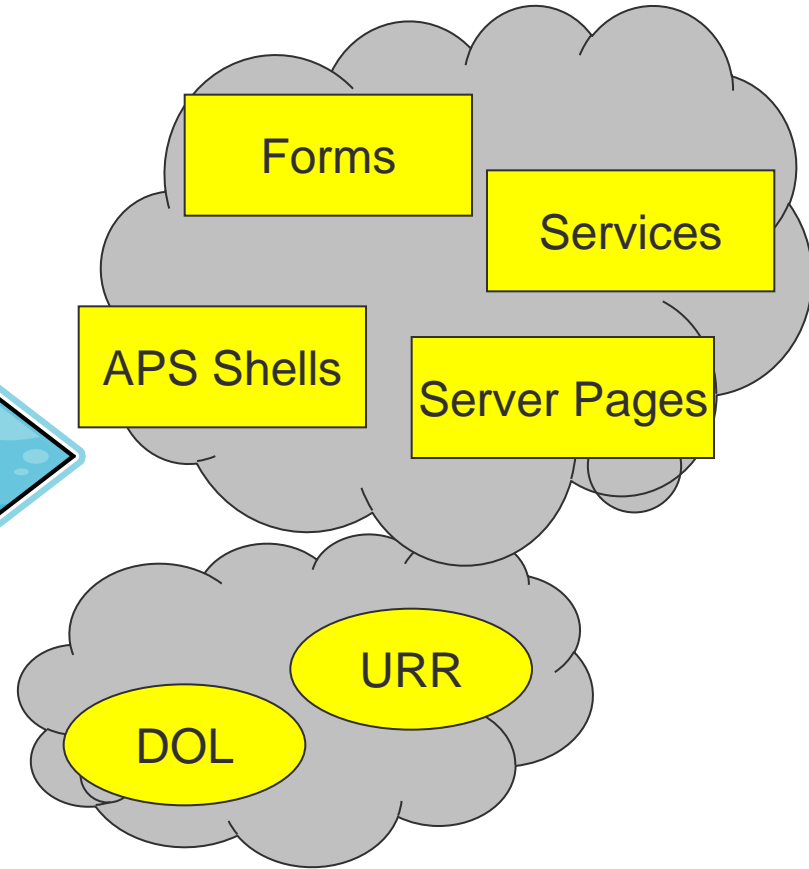
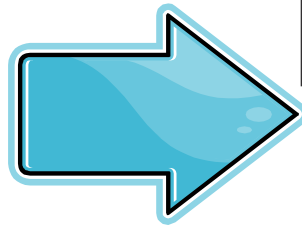
- How to Move to Easy Deployment
- ASN settings
- Development vs Deployment
- Uniface Resource Manager
- Compatibility
- Q & A



Classical Style



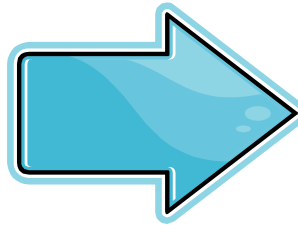
idf.exe



Standardized Style



idf.exe



Forms	Global Proc
Services	DTD's
APS Shells	Panels
Messages	Glyphs
Signatures	...

Directory Structure



Windows Explorer window showing the file structure of a project. The address bar indicates the path: <code><< build >> uniface9 >> w2k >> project >> Uniface_Resource_Directory >> frm</code>. The search bar contains the text "Search frm".

The main pane displays a list of files and folders. The left pane shows the folder hierarchy, with "frm" selected. The right pane shows a detailed view of the files in the "frm" folder, including their names, dates modified, types, and sizes.

Name	Date modified	Type	Size
udbgmain.frm	27-4-2011 15:55	Uniface Form	26 KB
sort2.frm	18-4-2011 14:21	Uniface Form	2 KB
sortsample.frm	18-4-2011 8:40	Uniface Form	3 KB
udbgselw.frm	30-3-2011 14:14	Uniface Form	16 KB
udbgstat.frm	30-3-2011 14:14	Uniface Form	3 KB
udbgwa30.frm	30-3-2011 14:14	Uniface Form	4 KB
udbgscnf.frm	30-3-2011 14:14	Uniface Form	26 KB
udbgse30.frm	30-3-2011 14:14	Uniface Form	4 KB
udbgse31.frm	30-3-2011 14:14	Uniface Form	4 KB
udbgse32.frm	30-3-2011 14:14	Uniface Form	5 KB
udbgse33.frm	30-3-2011 14:14	Uniface Form	3 KB
udbgse34.frm	30-3-2011 14:14	Uniface Form	5 KB
udbgse35.frm	30-3-2011 14:14	Uniface Form	4 KB
udbgmsgl.frm	30-3-2011 14:14	Uniface Form	3 KB
udbgopen.frm	30-3-2011 14:14	Uniface Form	12 KB
udbgd30.frm	30-3-2011 14:14	Uniface Form	4 KB
udbgcall.frm	30-3-2011 14:14	Uniface Form	3 KB
udbgcopy.frm	30-3-2011 14:14	Uniface Form	1 KB
udbgbrws.frm	30-3-2011 14:14	Uniface Form	17 KB
udbgbr30.frm	30-3-2011 14:14	Uniface Form	8 KB
ufrmdef.frm	30-3-2011 14:13	Uniface Form	6 KB

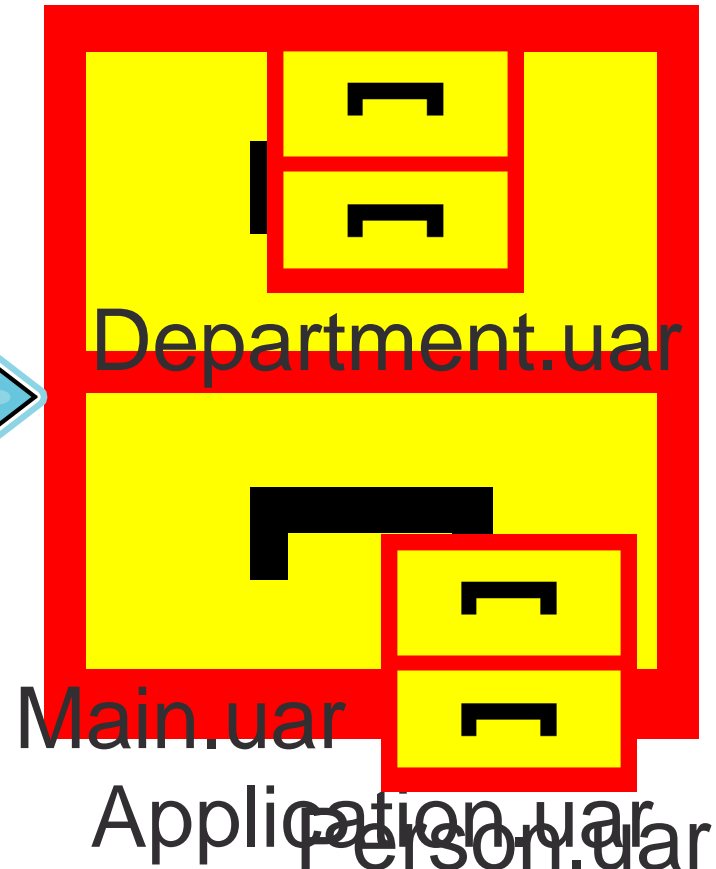
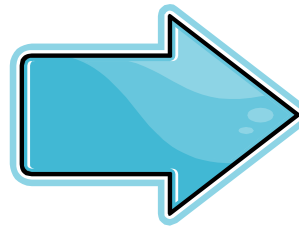
The status bar at the bottom indicates "22 items".



New Style Deployment

Forms	Global Proc
Services	DTD's
APS Shells	Panels
Messages	Glyphs
Signatures	...

Directory Structure



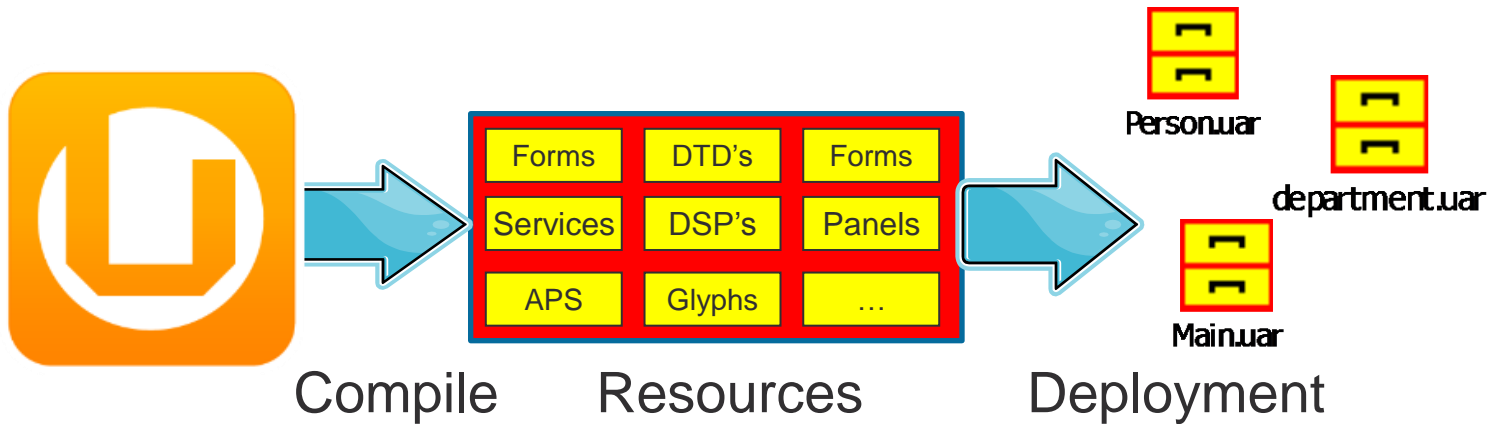
Assignment Settings

Which settings are needed:

- ASN Settings for Development
- ASN Settings for Runtime



Settings for Development



idf.asn

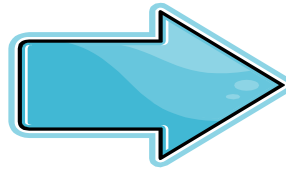
```
[SETTINGS]
```

```
$RESOURCES_OUTPUT = {Path\}Directory
```

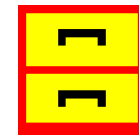


Settings for Development

(build scripting)



Compile



Appl.uar

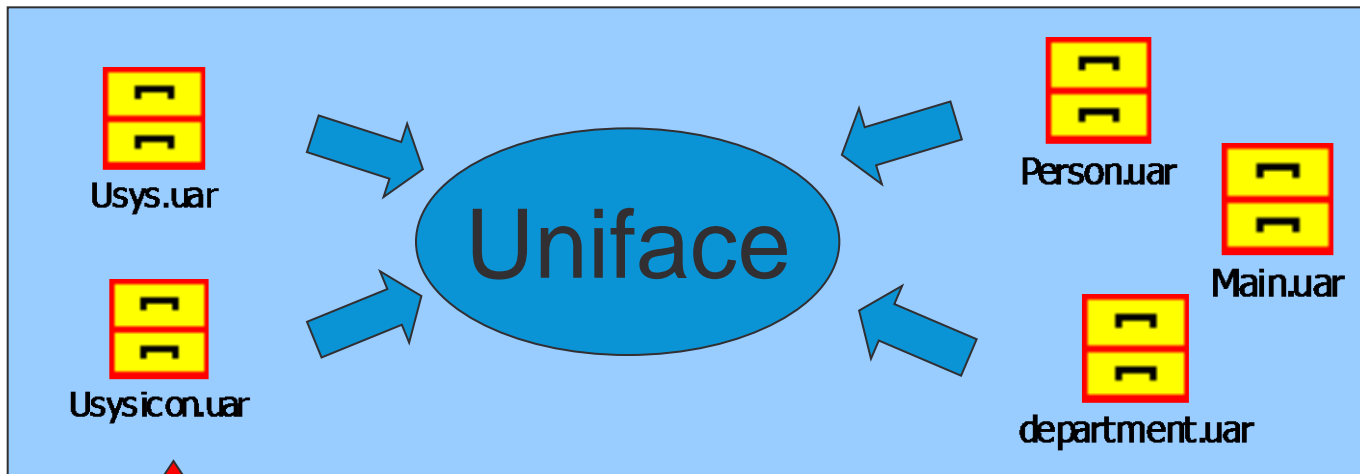
idf.asn

```
[SETTINGS]
```

```
$RESOURCES_OUTPUT = {Path\}Appl.uar
```



Uniface Runtime Application



Uniface Runtime UARs can be found in `.../common/usys`

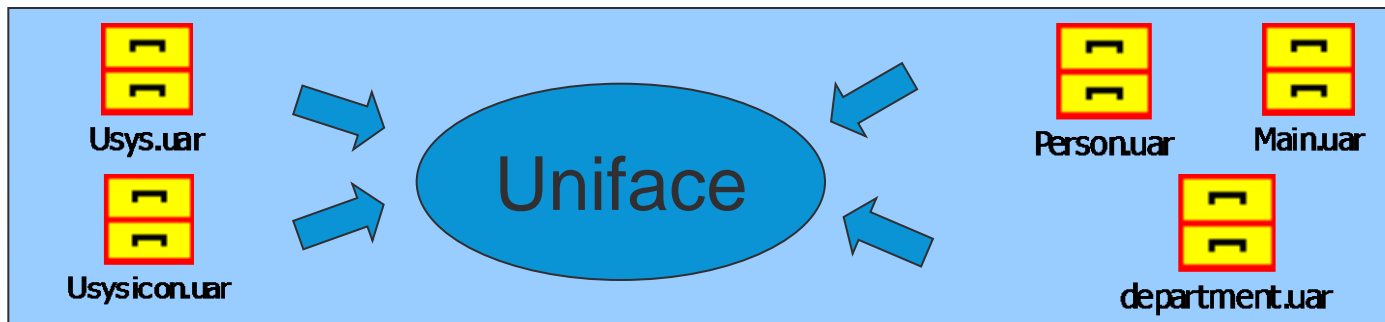


Settings for Runtime

usys.asn

```
[SETTINGS]
$search_resources = Resources_Only

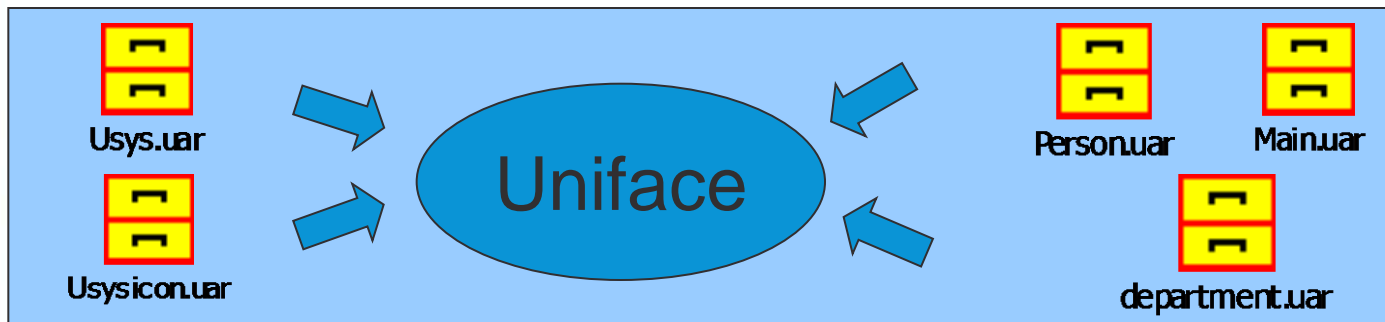
[RESOURCES]
Usys.uar
Usysicon.uar
```



Settings for Runtime

Appl.asn

```
[RESOURCES]
Main.uar
Person.uar
Department.uar
```

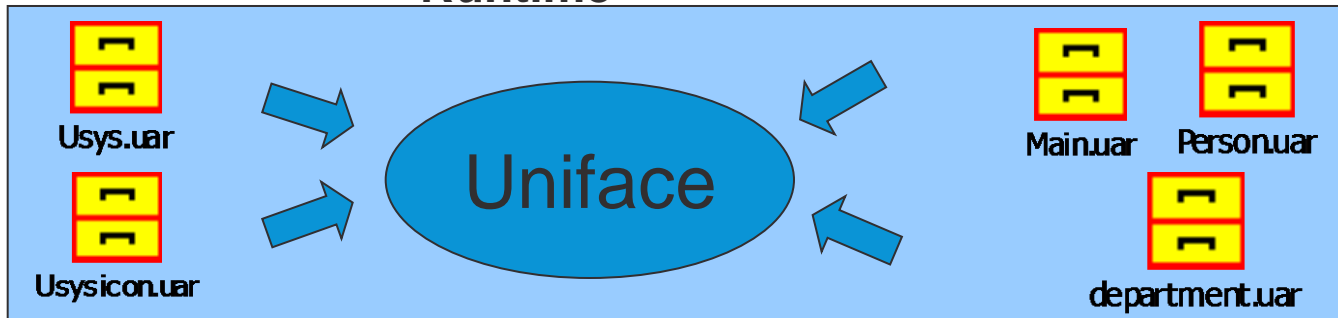


Deploy a Patch

Appl.asn

```
[RESOURCES]
Main2.uar
Main.uar
Person.uar
Department.uar
```

Runtime



Only 2 Paths

DEVELOPMENT

- \$RESOURCES_OUTPUT
- \$RSO

RUNTIME

- \$SEARCH_RESOURCES
- \$RES



\$RES

[FILES]

*.xml **\$RES:FIL/***.xml

[RESOURCES]

MyApp.uar

C:\ContactInfo\MyData.uar



IDF.ASN

[SETTINGS]

```
$search_rescriptor      DBMS_FIRST
$enhanced_edit          all
$putmess_logfile       D:\build\uniface9\w2k\log\idf.log
$search_resources       Resources_only
$resources_output       Uniface_Resource_Directory
```

[FILES]

```
usys:*.*xml             usysuniface:misc\*.*xml
usys:idf.aps           usysuniface:components\idf.aps
[RESOURCES]
usys:uu*.frm           usysuniface:components\uu*.frm
Uniface_Resource_Directory
usys:uu*.svc           usysuniface:components\uu*.svc
usys:uidf.uar
common:uu*.frm         usys:..\components\uu*.frm
usys:usys.uar          usys:..\components\uu*.svc
common:uu*.svc         usys:..\components\ur*.svca
usys:usysicon.uar
common:ur*.svc
```

[PATHS]

[ENTITIES]

[USER_3GL]



Local & Remote UAR's

usys.asn:

[SETTING]

\$SEARCH_RESOURCES = Resources_Only

[RESOURCES]

usys:usysnl.uar

usys:usys.uar

usys:usysicon.uar

myapp.asn:

[PATHS]

\$MYA = tcp:servermachine+13001|user|password|ust

[RESOURCES]

\$MYA:MyApp.uar



Local & Remote UAR's

usys.asn:

[SETTING]

\$SEARCH_RESOURCES = Resources_Only

[RESOURCES]

usys:usysnl.uar

usys:usys.uar

usys:usysicon.uar

myapp.asn:

[RESOURCES]

F:\shares\MyApp.uar



Settings for Runtime

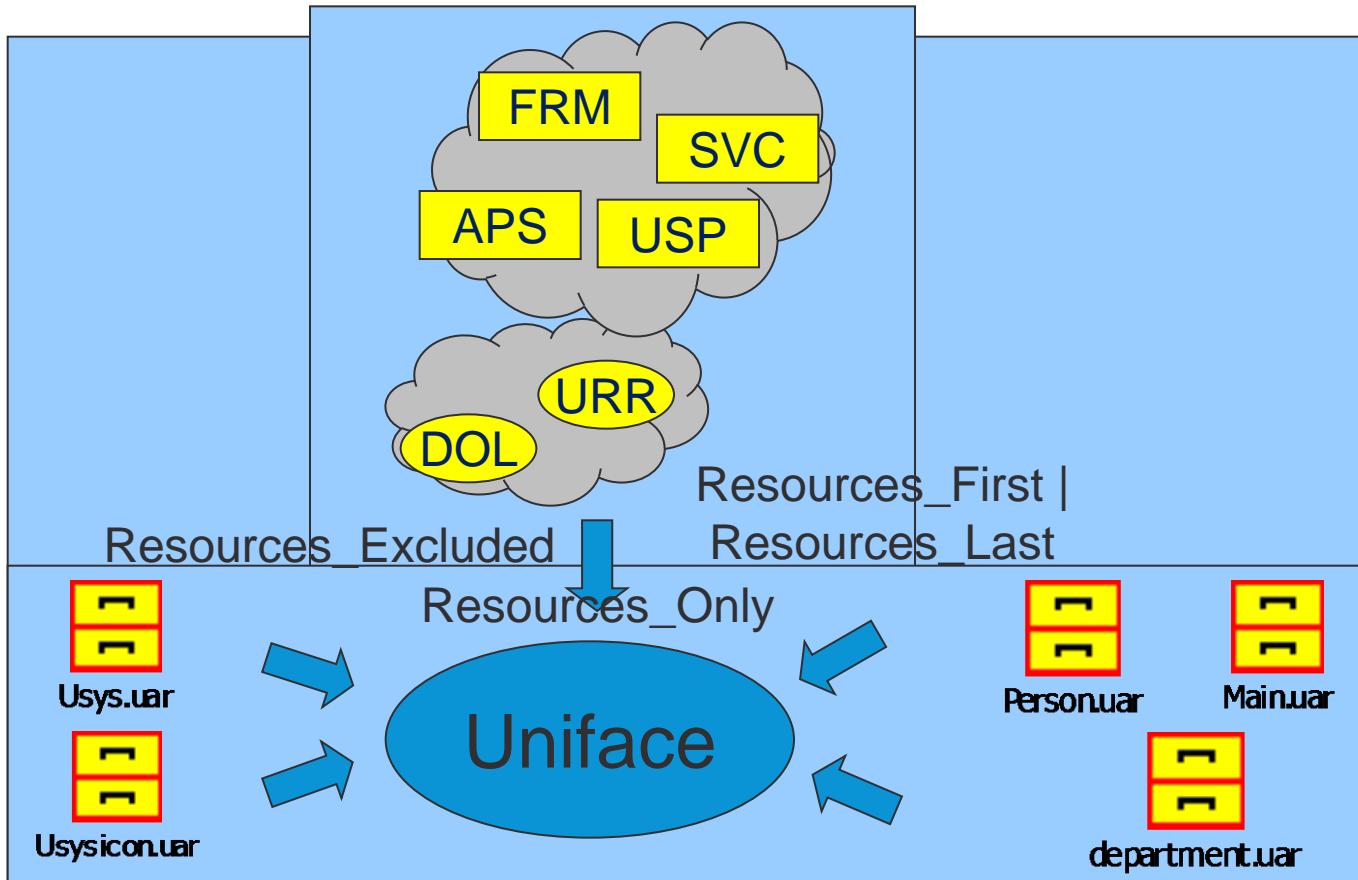
[SETTINGS]

\$SEARCH_RESOURCES =

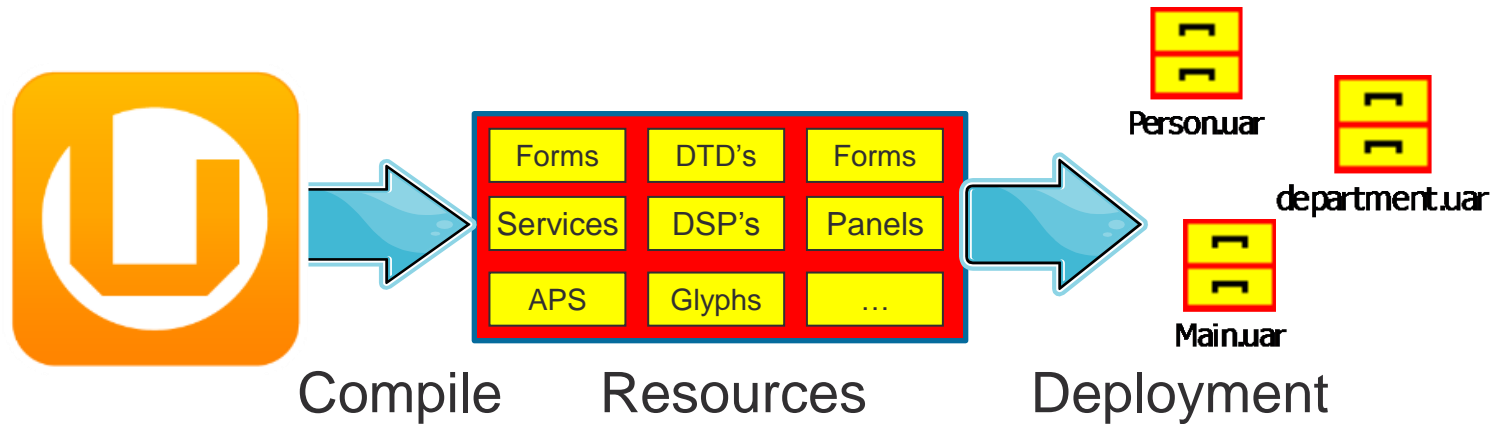
- Resources_Only
- Resources_Excluded (default)
- Resources_First
- Resources_Last



\$Search_Resources = ...



Uniface Resource Manager



URM is a command line deployment utility



Uniface Resource Manager

Urm.exe {/GeneralSwitch(es)}
Operation Source {Destination}
{-Options}

- **List**
- **Copy**
- **Delete**
- **Merge**
- **Move**

...



Samples

```
urm copy
```

```
Uniface_Resource_Directory/*/*a*
```

```
mytest.uar:/*/*a*
```

```
urm copy
```

```
Uniface_Resource_Directory/*/*
```

```
mytest.uar:/*/* -after=20131127
```



The Benefits

- Easy to deploy: Copy & Paste
- UAR Based on Standard Zip technology
- Easy to do/undo changes
- Run Straight from UARs
- Application Partitioning



Compatibility

- Uniface is still installed in classical style
- Usys Directory contains both styles
- IDF flags /dis /ins /dol /urr still work
- \$search_descriptor & \$search_object are obsolete in “*resources_only*” mode
- 9.3 Urr’s & Dol’s are **new** format
- 9.3 UARs are **new** format
- No migration issues: just recompile your complete Application in ≥ 9.3



Remember

/who is your best
friend?



Questions & Answers

UNIFACE USER EVENTS

UNIFACE 9.6

UNIFACE 10

MODERNIZATION

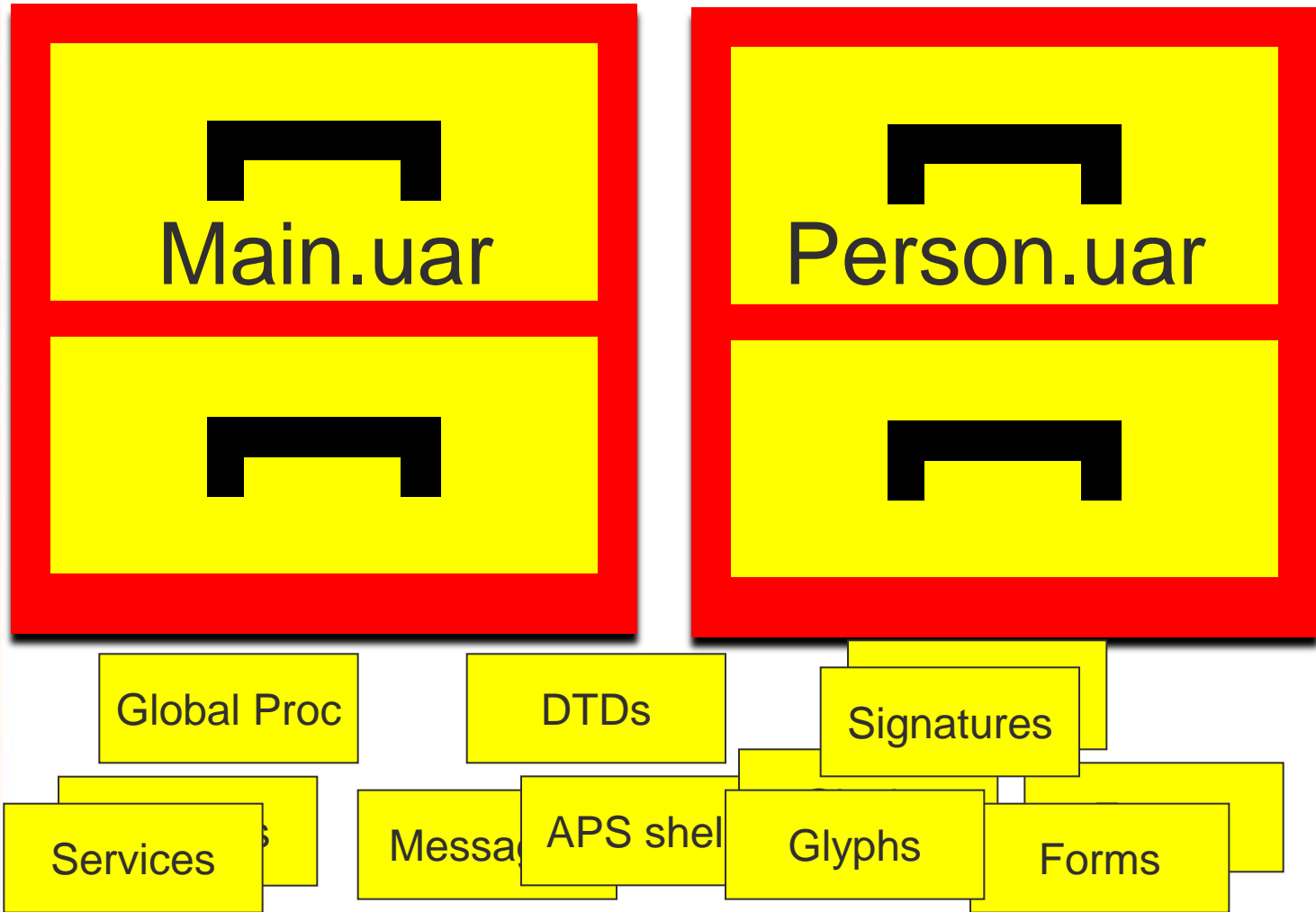


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Thank you!



Partitioning



Uniface Directory Structure

<u>Objects</u>	<u>Object type</u>	<u>Object Name</u>
Forms	frm	component.frm
Services	svc	component.svc
Component-signatures	sig	component.sig
Messages	msg	message@library@lauguage.msg
Menus	men	menu@library@lauguage.men
...



Resource Locations

3 main locations:

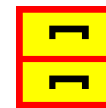
1. Compiler Output

- Defined by \$Resources_Output
- \$RSO

Fixed Directory Structure

2. The Resources (UARs)

- Defined by [RESOURCES] section
- \$RES



Appl.uar

3. The Classic style

- DOL/UOBJ & URR/ULANA
- [FILES]

