



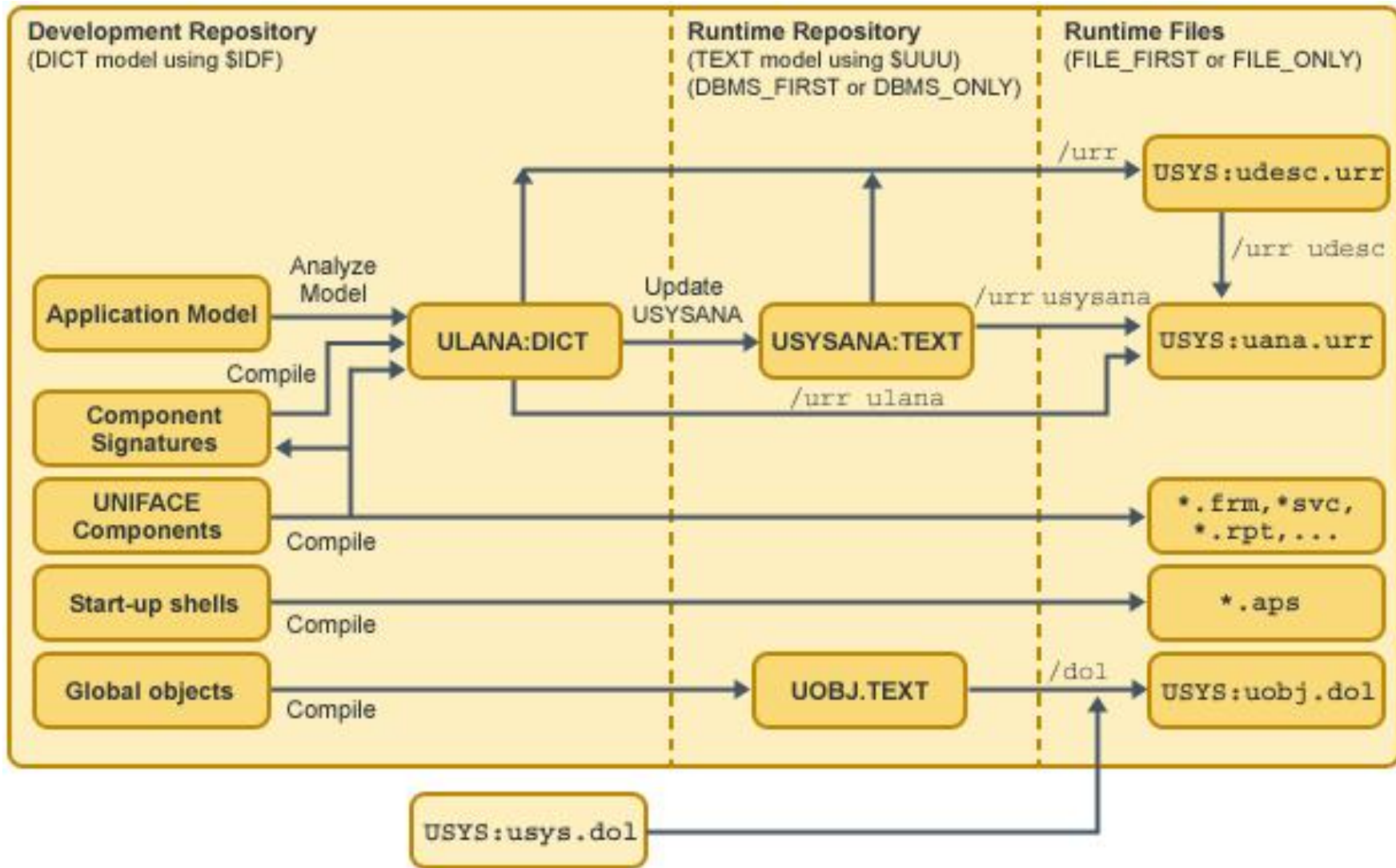
Deployment new style

Uniface Software Architect

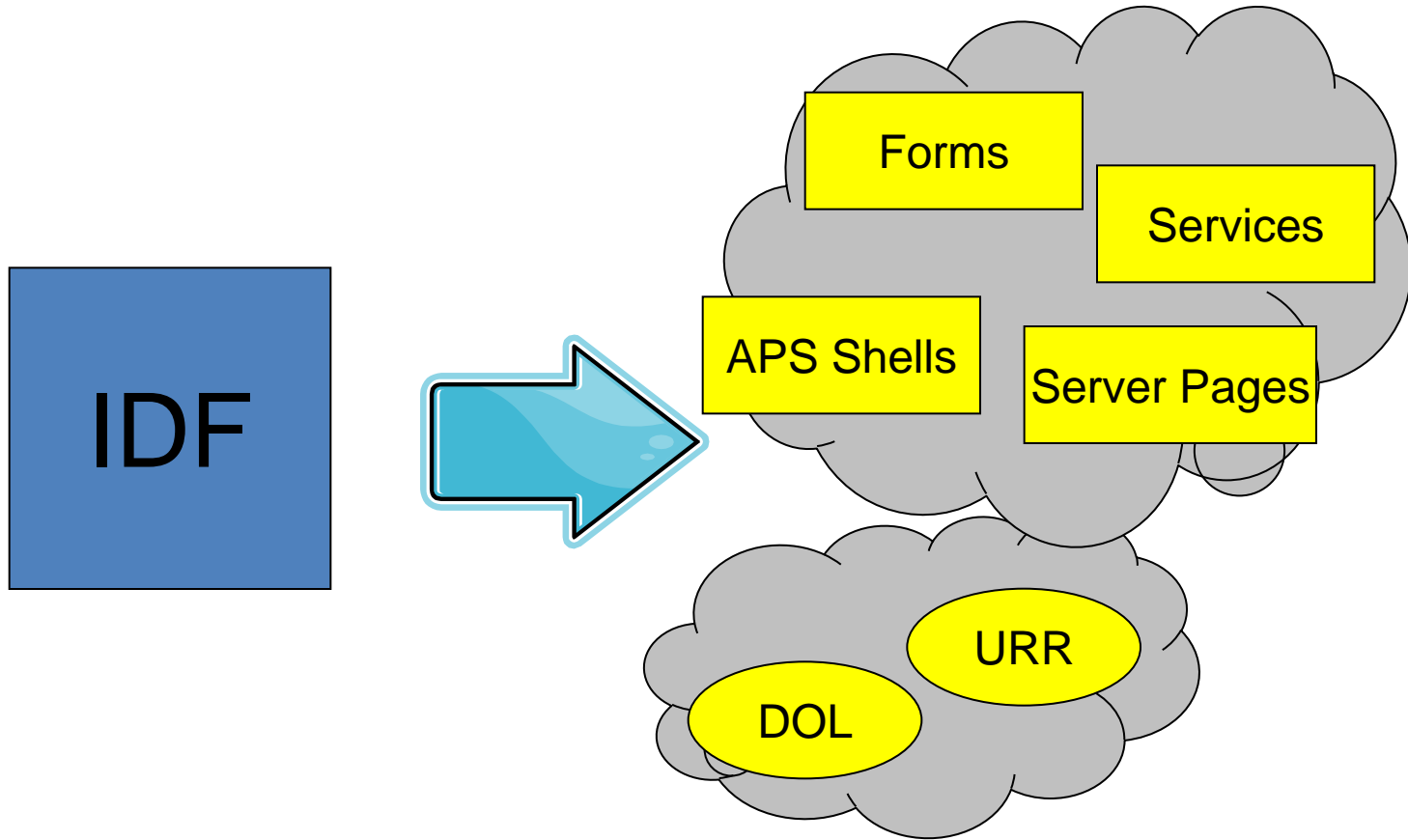
Michel van den Berg

Agenda

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

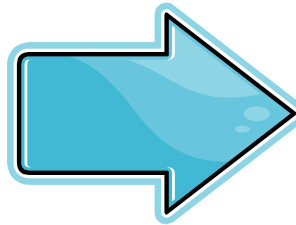


Classical Style



Standardized Style

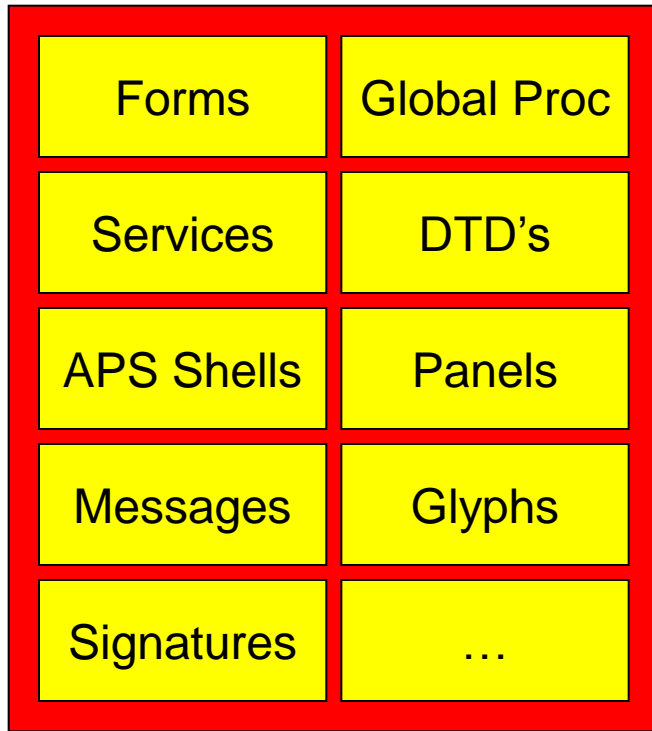
IDF



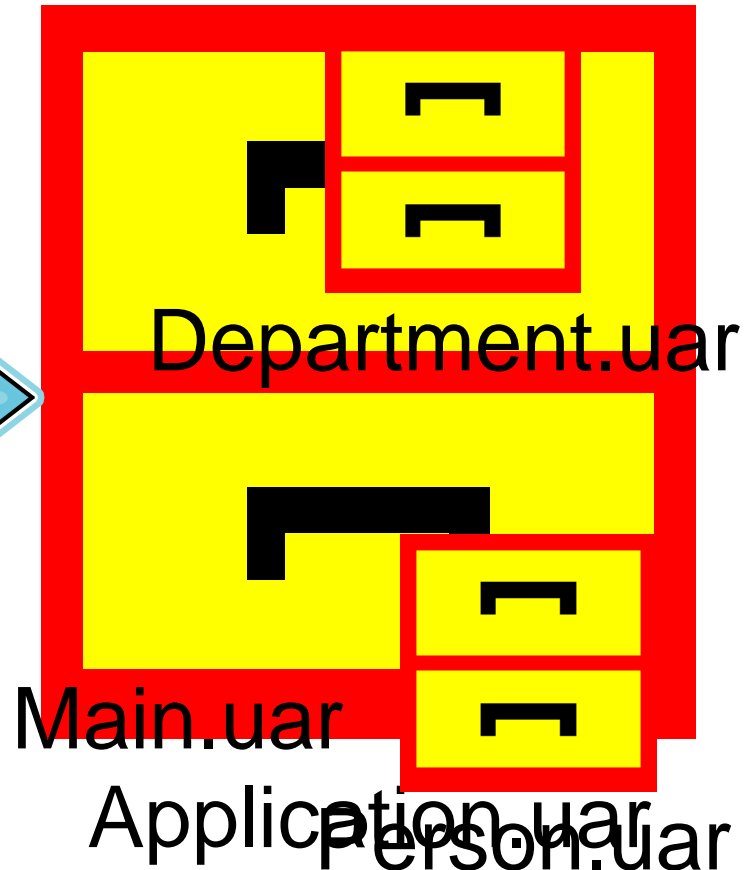
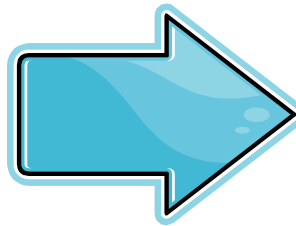
| | |
|------------|-------------|
| Forms | Global Proc |
| Services | DTD's |
| APS Shells | Panels |
| Messages | Glyphs |
| Signatures | ... |

Directory Structure

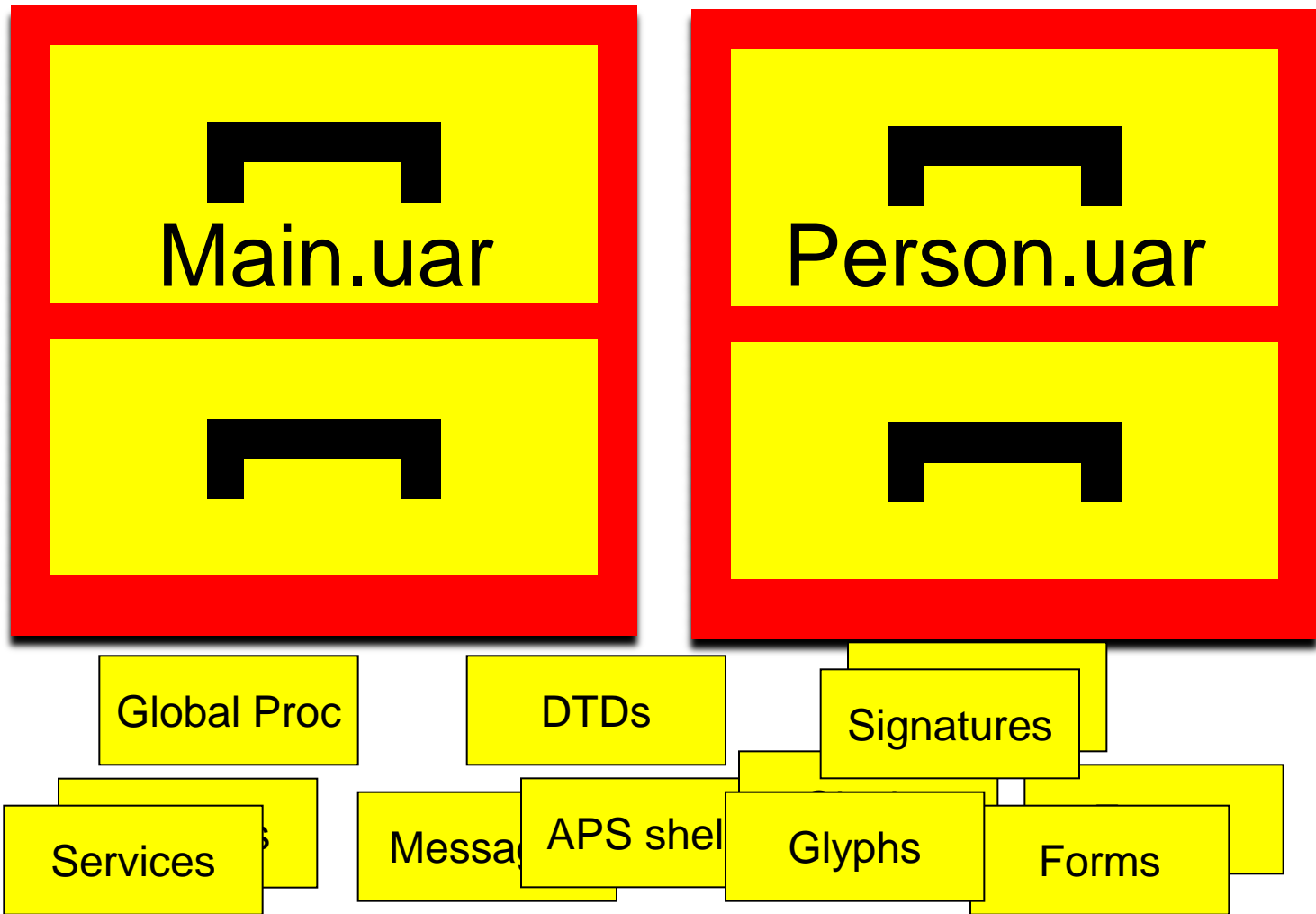
New Style Deployment



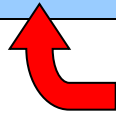
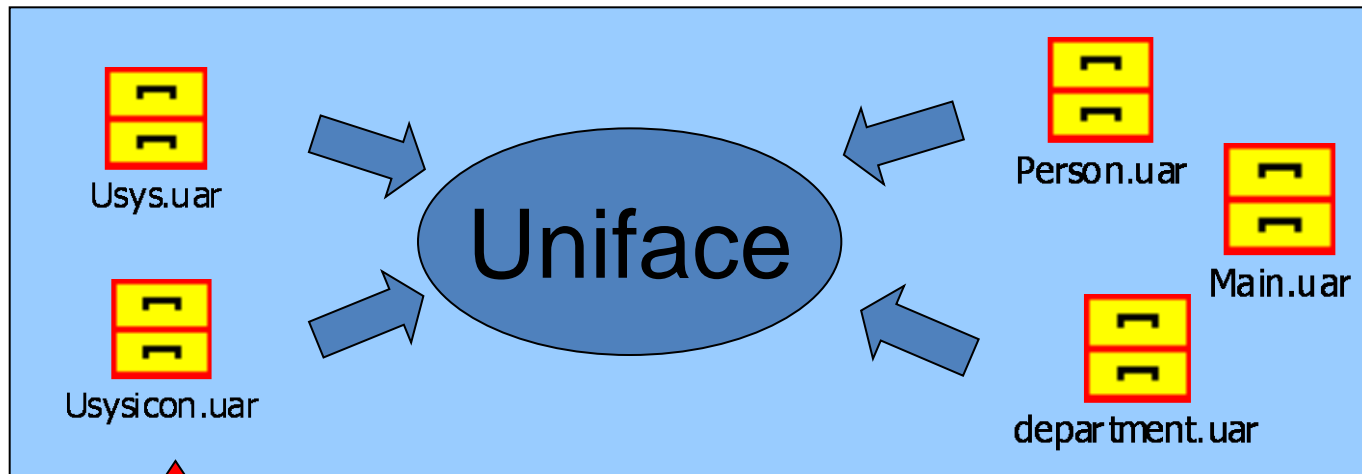
Directory Structure



Partitioning



Uniface Runtime Application



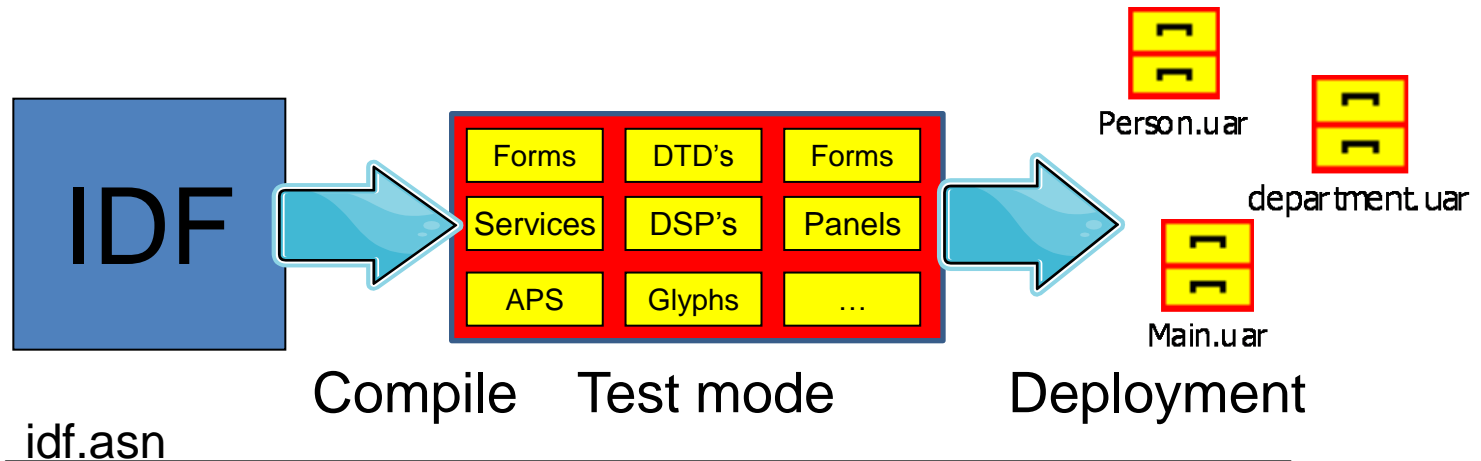
Runtime UARs can be found in
.../common/usys

Assignment Settings

Which settings are needed:

- ASN Settings for Development
- ASN Settings for Runtime

Settings for Development

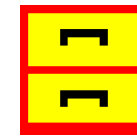
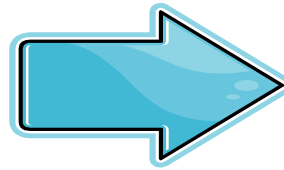


[SETTING]

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

Settings for Development

(build scripting)



Appl.uar

Compile

idf.asn

```
[SETTING]
```

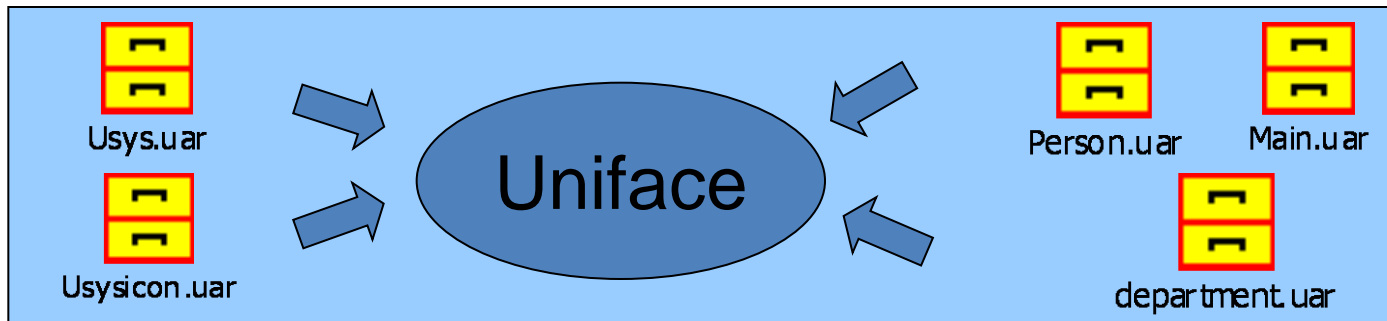
```
$RESOURCES_OUTPUT = {Path\}Appl.uar
```

Settings for Runtime

Appl.asn

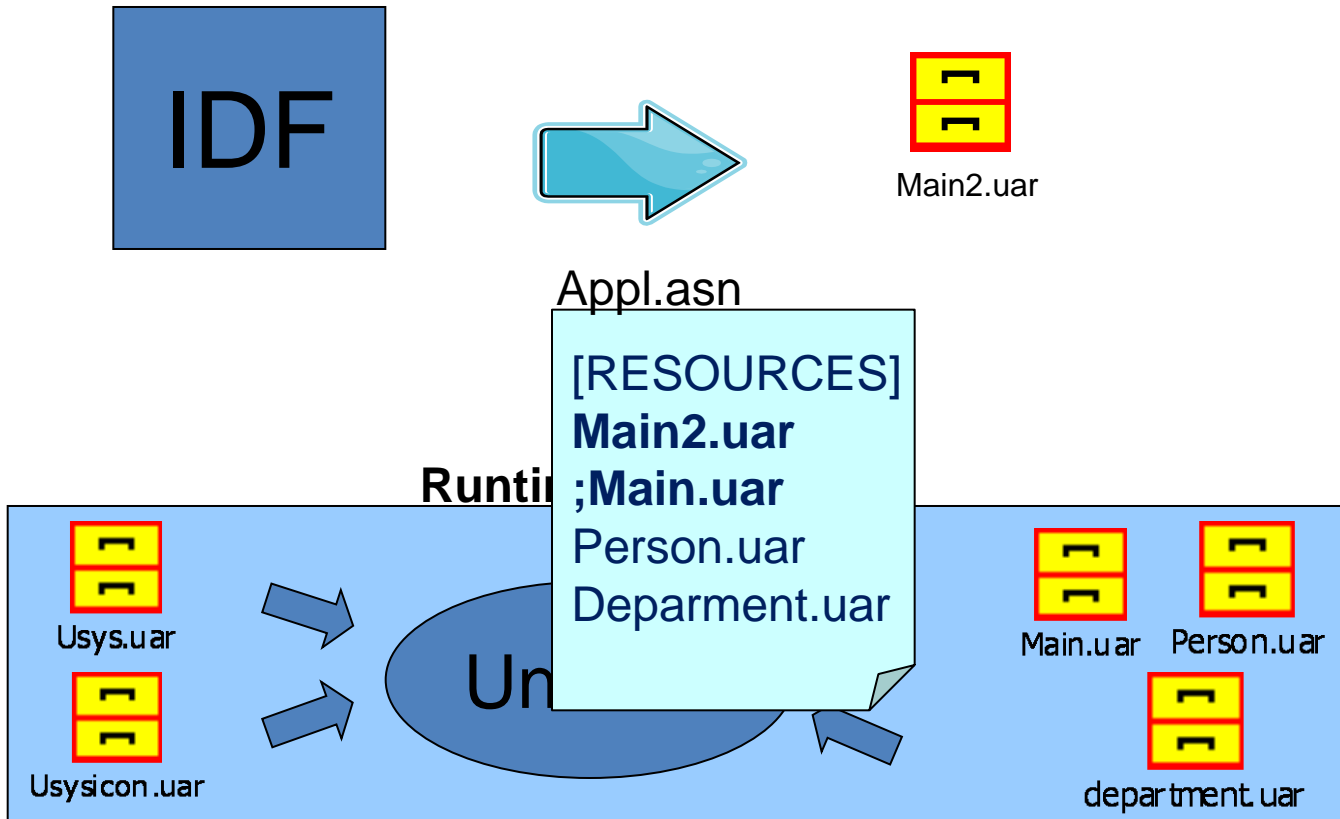
```
[SETTING]
$SEARCH_RESOURCES = Resources_Only

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



Deploy a Patch

Development



Only 2 Settings Needed

\$RESOURCES_OUTPUT

- \$RSO

for DEVELOPMENT

\$SEARCH_RESOURCES

- \$RES

for RUNTIME

\$RES / \$RSO

[FILES]

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

[RESOURCES]

MyApp.uar

c:\ContactInfo\MyData.uar

IDF.ASN

```
#file D:\build\uniface9\w2k\common\adm\dbms.asn
#file D:\build\uniface9\w2k\common\adm\uniface_flow.asn
#file D:\build\uniface9\w2k\uniface\adm\uqtd.asn

[SETTINGS]
$enhanced_edit                all
$putmess_logfile             D:\build\uniface9\w2k\log\idf.log
$resources_output            Uniface_Resource_Directory
$search_resources             Resources_only

[FILES]
usys:*.*.xml                  usysuniface:misc\*.*.xml
usys:idf.aps                  usysuniface:components\idf.aps
usys:uu*.frm             usysuniface:components\uu*.frm
[RESOURCES]
usys:uidf.uar          usysuniface:components\uu*.svc
common:uu*.frm         usys:..\components\uu*.frm
usys:usys.uar          usys:..\components\uu*.svc
common:uu*.com.uar     usys:..\components\ur*.svc
common:ur*.svc

[PATHS]

[ENTITIES]

[USER_3GL]
```


Test environment

--usys.asn:--

[RESOURCES]

usys:usys.uar

usys:usysicon.uar

--myapp.asn—

[SETTING]

\$SEARCH_RESOURCES = Resources_Only

[RESOURCES]

Uniface_Resource_Directory

MyApp.uar

Local & Remote UAR's

--usys.asn:--

[RESOURCES]

usys:usysnl.uar

usys:usys.uar

usys:usysicon.uar

--myapp.asn—

[SETTING]

\$SEARCH_RESOURCES = Resources_Only

PATHS]

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

[RESOURCES]

MyApp_updates_20110502.uar

\$MYA:MyApp.uar

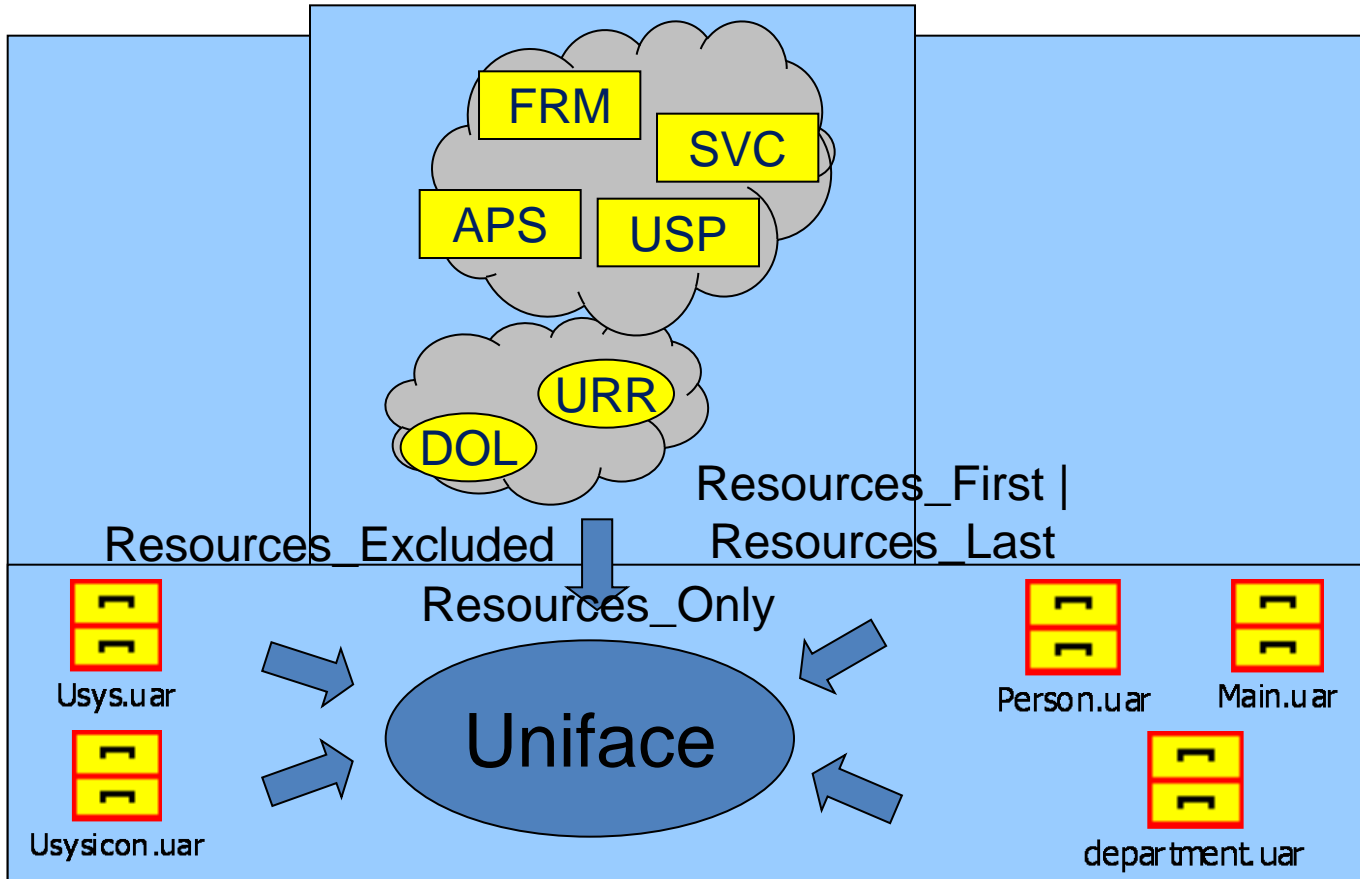
Settings for Runtime

[SETTINGS]

\$SEARCH_RESOURCES =

- Resources_Only
- Resources_Excluded (default)
- Resources_First
- Resources_Last

\$Search_Resources = ...



Uniface Resource Manager

- URM is a command line deployment utility
- It is to maintain UARs or to get information about their contents
- It runs on all Uniface Client/Server platforms

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=20110501
```

The Benefits

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

Compatibility

- Uniface is 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

Questions & Answers

Thank you!

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:

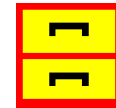
1. Compiler Output

- Defined by \$Resources_Output
- \$RSO

Fixed Directory Structure

2. The Resources (UARs)

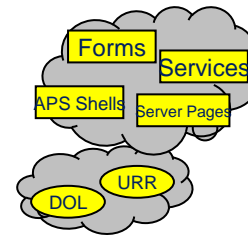
- Defined by [RESOURCES] section
- \$RES



Appl.uar

3. The Classic style

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



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 <code>Search frm</code>.

The left pane shows the folder tree with <code>frm</code> selected under <code>Uniface_Resource_Directory</code>. The right pane displays a list of files in the <code>frm</code> folder, sorted by Name. The files are all Uniface Form files (.frm).

| 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 |
| udbgse1w.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 |
| udbged30.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 in the folder.