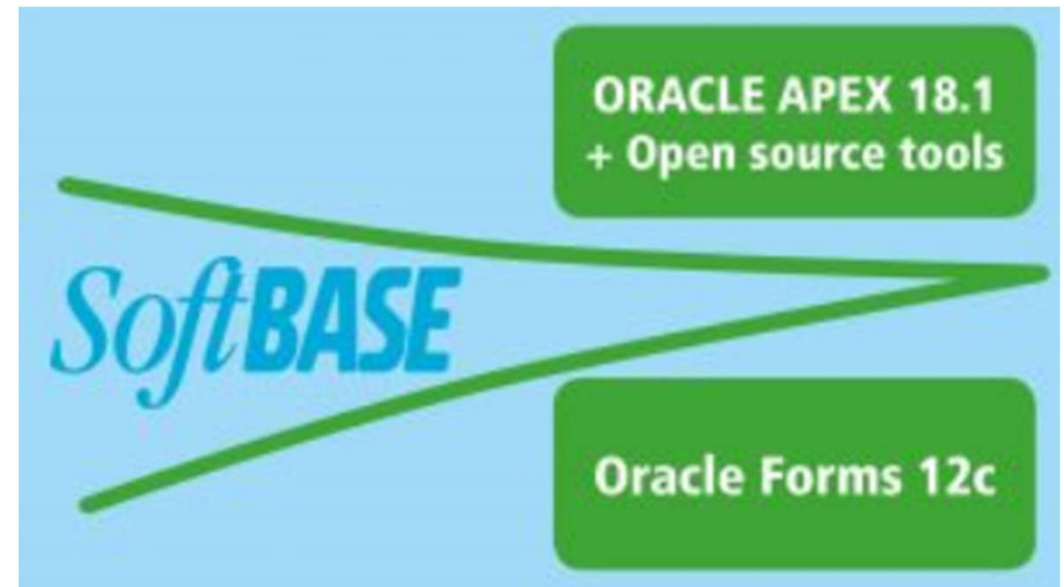


## Forms - The Neverending Story

- upgrade/modernize/develop/extend



*Soft***BASE**

### - who is SoftBASE?

- **ERP Developers, based on classic Oracle tools**
- **Upgrade tools for Forms, build from need and experience**
- **Modernization tools for Forms, build from need and experience**
- **APEX Developers, APEX Integration**
- **APEX Templates for individual development incl. enterprise features**
- **ORDS REST Services with OAUTH protection.**
- **Oracle engineered system practice for Hosting/Cloud (IAAS) deployment**

### - who am I?

- **ERP developer for 30 years**
  - **Data modelling**
  - **Function design**
  - **Customer requirements**
- **PL/SQL, Forms, Reports, APEX, ORDS/REST**
- **Deployment WLS/Tomcat/Apache**
- **Promote APEX/REST/FORMS**
- **Speaker at UKOUG/DOAG/SOUG/DOUG**



**Robert Johannesson**

- historical review

- Oracle Forms was born 1988 - is celebrating 30 years anniversary in 2018, as one of the most successful IDE's "ever"
- Release 12c was released 3 years ago in sept. 2015, with a lot of new features and a strong and stable platform (important!)
- The next release has mostly been secured and next-next is underway (@OracleFormsPM twitter Oct. 26th 2018)

Not



But



- 12c New features

- **New deployment options - FSAL the Forms standalone launcher**
  - **Browser less option - server-jre supported**
- **New and enhanced runtime options**
  - **ClientDPI (introduced in 11g, but improved for 12c)**
  - **Customizable Color Schemes, with no code or attribute changing**
  - **GuiMode**
- **Integration features**
  - **Javascript events, even for FSAL**
  - **Max\_Event\_Wait (Setting programmatically for Streams)**
  - **REST**

- 12c Why - Why not

- **Installations 10g, 11g (and older)**
  - Many running directly on the tin, way past "the best before day"
  - OS/WLS/Apache old unsupported SW stack
  - Who is to help when (not if) something goes wrong?
- **"I remember the complexity of the installation and project"**
  - WLS obstacle for Installation -> Cloud IAAS
  - HA -> Cloud IAAS
  - Simplify - no SSO (LDAP incl. AD for password management).
  - New technology features, FADS, DevCS, APEX extensions
- **Shared platform development via cloud hosting**
  - No initial hardware and software installation/configuration

- 12c - Upgrade "the recipe"

- **Option 1 Upgrade 1:1 (for 10g and onwards)**
  - Supported stack, Cloud/VM/OS/WLS/Forms
  - Better performance
  - Better client deployment (FSAL)
  - Rescale/ClientDPI
  - Modernize icons
- **Option 2 "A little more" - Improvement in UI and UX**
  - Screen Resize for better HD adjustment than with ClientDPI
  - Customizable Color Schemes (no dark grey)
  - Row banding - tab icons

- 12c - comfort/intuitivity/similarity

- **Option 1 and 2 result in Web 2.0 UX with**
  - **Comfort meaning that a Form is pleasant to look at, regarding design, size and colors. You feel welcome, you know what to do.**
  - **Intuitivity meaning that an inexperienced user can start to use a Form, with none or little introduction to the GUI.**
  - **Similarity means that the product looks familiar, i.e. the look and feel is derived from industry standard for modern web applications.**



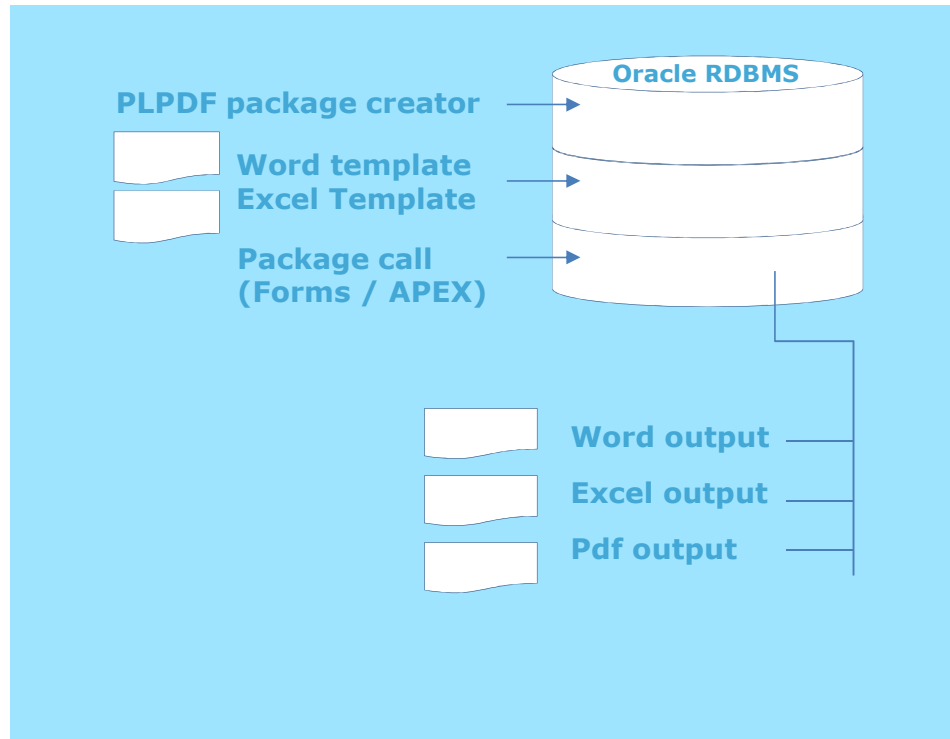
- 12c - Upgrade "the recipe"

- **Option 3 - productivity improvements - Forms**
  - **Screen reporting, enabling reporting to Excel, even for master detail screens**
  - **Workflow, with data entry wizards within a Form, between Forms**
  - **Context menu, where user or groups setup own favorites**
  
- **Option 4 - productivity improvements - integration**
  - **The right click API**
  - **APEX deep linking (as reporting tool)**
  - **OAuth2.0 integration to cloud tools**
  - **Also Reports, APEX analytics BI reporting**
  - **PLPDF for formalized printing, preview and advanced bursting and distribution (DB-based and applicable for both APEX and Forms)**

## Forms - The Neverending Story

### - 12c Reporting made simple

- **Use from Forms**
  - Replace Oracle reports – slow migration
- **Use from APEX**
  - Formatted reporting
- **SoftBASE solution**
  - Direct print, preview, bursting and mail distribution
- **Platform independent**
  - It is on the DB
- **Simplify infrastructure**
  - No additional server needed



- 12c Productivity/reporting/integration

- **Option 3 and 4 provides increased productivity and simplicity in installation**
  - Any screen can report directly to Excel
  - Any screen can deep link into APEX, including passing data
  - Any screen can link to cloud tools
  - No extra report server. PLPDF apply the DB as Report server, with templates created in Word and Excel. Charts and BI tools are supported. File(pdf), mail, print, preview, burst and distribute

- 12c Upgrade "the recipe"

- **Option 5 - REST service functions**
  - **A Forms administration module for ORDS (required)**
  - **Server GET, PUT, POST and DELETE (OAUTH2 protected)**
  - **Create views on REST based SQL, ex. ZIP code (no local replication)**
  
- **Option 6 - Extended installation with APEX, Open Source and Forms/Reports/PLPDF in cross product flow**
  - **APEX - FORMS - Bidirectional integration**
  - **APEX analytics - BI**
  - **PLPDF for formalized printing from APEX and FORMS**
  - **Slow Migration of Reports**
  - **Slow Migration of Forms (selected functions)**

- 12c Productivity/reporting/integration

- **Option 5 and 6 provides extended usage and "new ground"**
  - **REST - loosely coupled to surrounding systems**
  - **REST - your Forms application can rely on data from "others"**
  - **REST - your Forms application can provide data for "others"**
  - **REST - no POINT to POINT integration**
  - **APEX - cross tool integration with Forms**
  - **APEX - slow migration for selected functions**
  - **APEX - analytics/BI tools - reporting**
  - **PLPDF - the DB as a report server. Simplified installation.**
  - **PLPDF - slow migration for Oracle Reports**

- 12c - Upgrade "the recipe"

- **Option 7 - Digitalization and Mobile**
  - **Master template in APEX for Mobile based on Universal Theme**
  - **Simple Sign On, same security framework as the Forms application**
  - **Mobile navigation features**
  - **Mobile responsiveness, toolbar - "almost as good" as native Apps**
  - **Extend with @Auraplayer, the Forms service works as REST**
  - **Extend with Oracle digital assistant including chatbots, no limits**

- 12c - digitalization/mobile

- **Option 7 - Digitalization and Mobile**
  - **For mobilization and digitalization - identify your needs**
  - **APEX templates for application - online usage**
  - **Native Apps for online/offline usage**
  - **DB objects (tables, views, functions, procedures) as REST service**
  - **FORMS as REST Service (@Auraplayer)**
  - **Oracle Digital Assistant for extended Mobile/Chatbots**

- 12c - Cross tool workflow

Forms - The Neverending Story

... Mashup screen example, v12.x

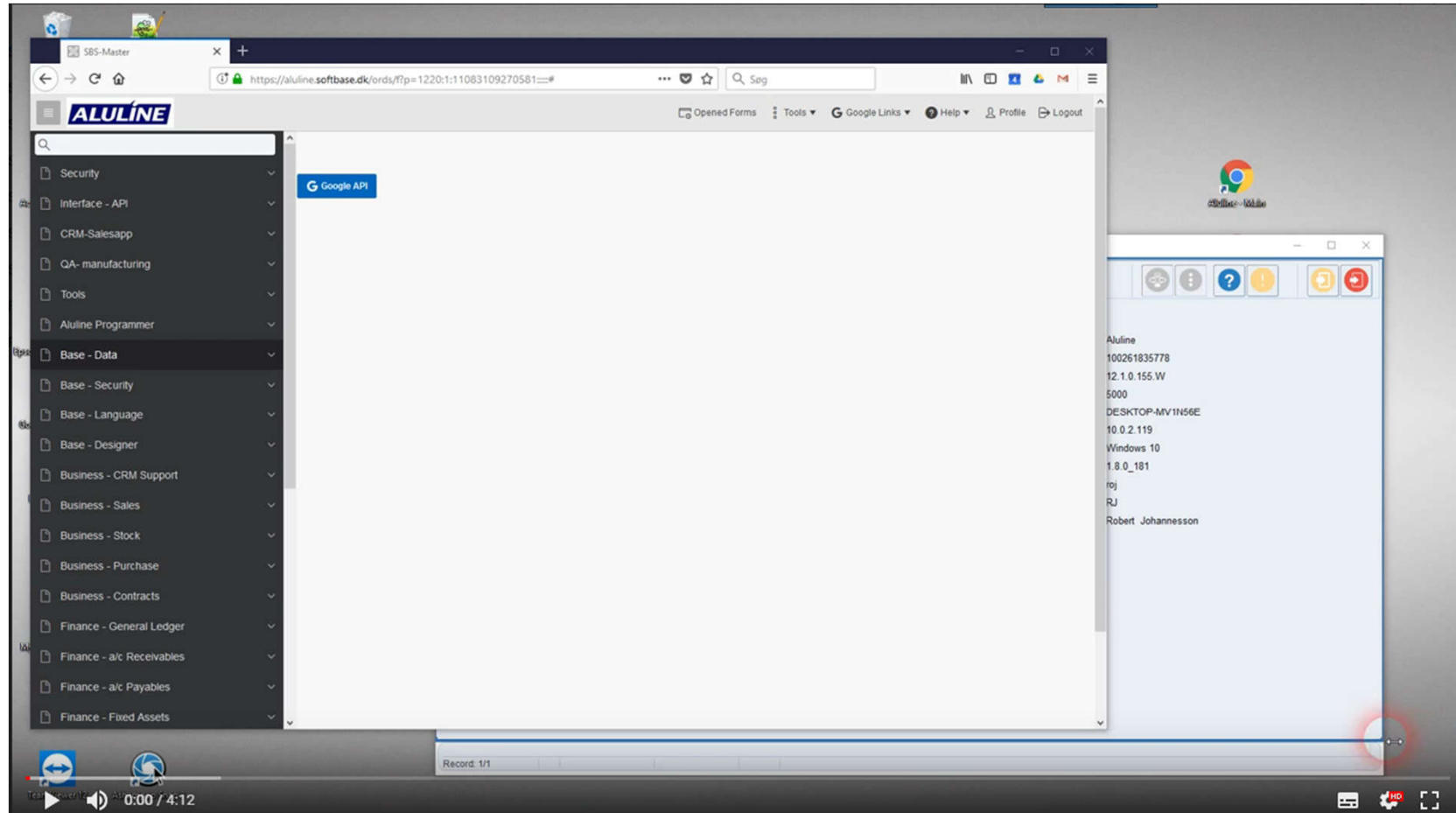
The screenshot illustrates a cross-tool workflow mashup. The primary application is 'Aluline A/S - Sales Order Entry - 500001 - RJ'. The interface includes a sidebar with categories like 'Business - Sales' and 'Definitions'. The main content area displays a table of order lines with columns for 'Pos', 'Item', 'Description', 'Req. Quant', 'Unit', 'Price Fact', 'Line Price', and 'P (%)'. Below the table are various form fields for order details such as 'Order Total', 'M&M Discount', and 'Total Gross Profit %'. To the right, a secondary window displays a technical drawing of a mechanical part, labeled 'GASTET STØBT' and 'MACHINED BEARBEJDN'. The browser's address bar shows a URL from aluline.softbase.dk.

Pos	Item	Description	Req. Quant	Unit	Price Fact	Line Price	P (%)
10	RAD 4592	Thermal Lid / 886-726	100	STK	156.70 1	15.670.00	99.36
11	PAPKS	Papkasse 4240	5	STK	13.50 1	67.50	100.00
40	RAD 4592	Thermal Lid / 886-726	100	STK	156.70 1	15.670.00	99.36
41	PAPKS	Papkasse 4240	5	STK	13.50 1	67.50	100.00
70	RAD 4592	Thermal Lid / 886-726	100	STK	156.70 1	15.670.00	99.36
71	PAPKS	Papkasse 4240	5	STK	13.50 1	67.50	100.00
100	RAD 4592	Thermal Lid / 886-726	100	STK	156.70 1	15.670.00	99.36

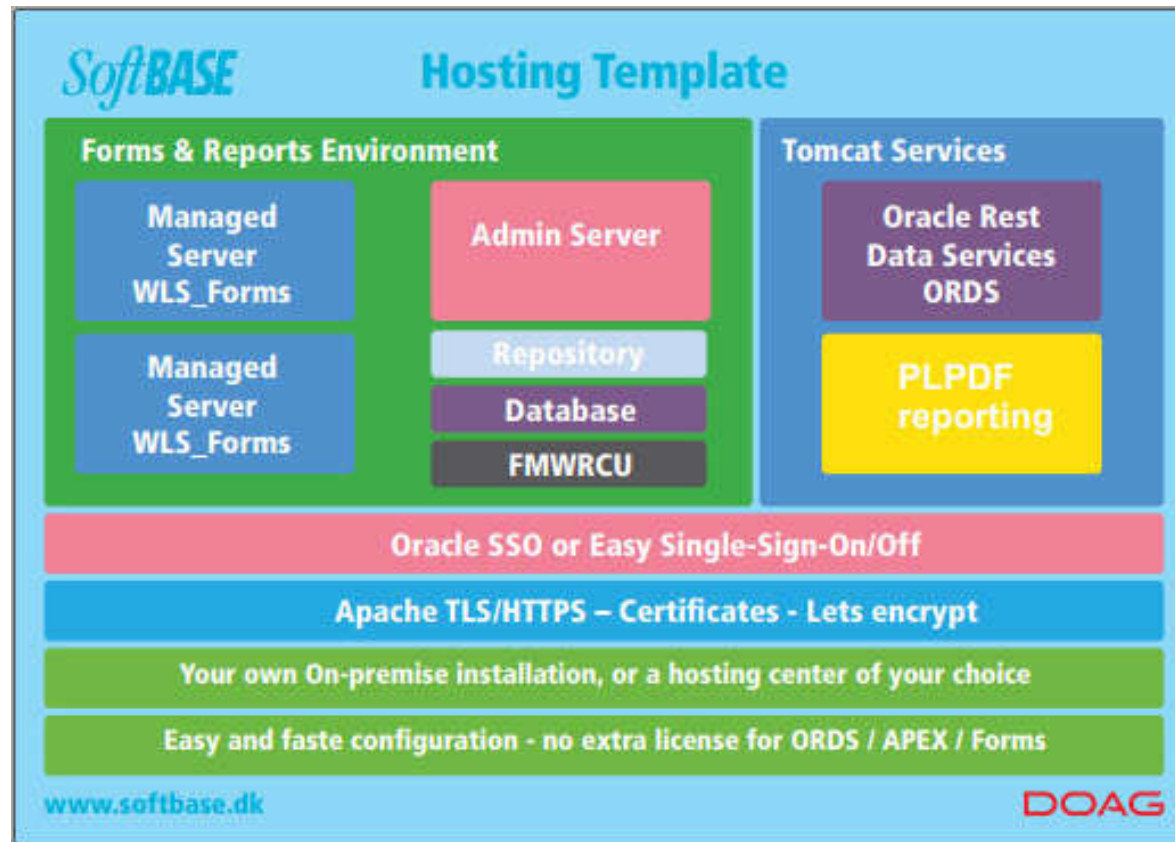


## - 12c - Cross tool workflow

## Forms - The Neverending Story



## ... Options for Hosting Template



### - 12c - Contact (Stand 126)

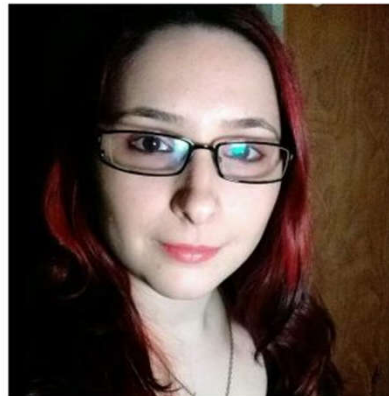
<https://www.softbase.dk/contact>



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