

Graphical User Interface for A4GL

The Ventas Desktop Client

VENTAS AG, Hamburg

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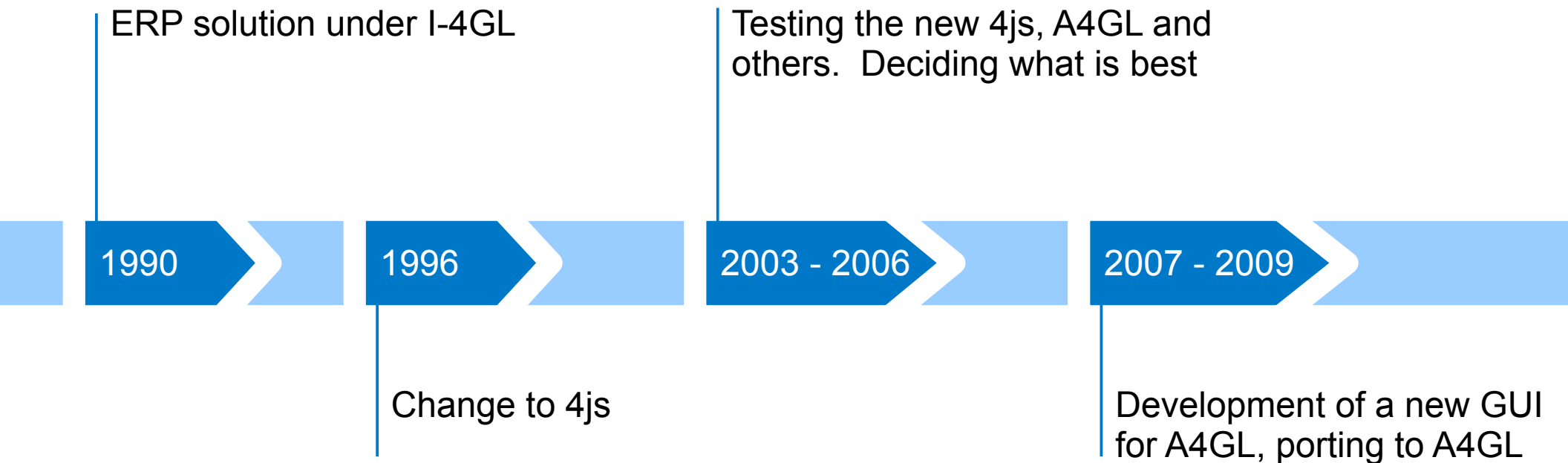
VENTAS main product is a large ERP Solution

Developed with Informix 4GL

Kept on market with 4js

Going to the future with A4GL

History of the new GUI and porting to A4GL



Our goals on developing the GUI

- Modernity and perspective for the ERP solution in the next years
- Keeping fast development through a 4GL language
- Reach independency from a supplier
- Take influence in the look & feel of our product

The A4GL concept convinced us

- 4GL compatible with I-4GL, SQL embeded for fast development
- C 4GL is translated to C and compiled. C++ is possible
- XML lean communication with the GUI
- C++ GUI as a Thin Client, programmed with C++/Qt and provided by VENTAS

... solid and ready to meet future requirements

The team behind A4GL

- Excellent co-operation with Aubit and the other companies of the 4GL-Alliance
- Offering the Source Code for free
- Open for growth - in collaboration with other developing companies
- Enhancing the language through many tools and keeping the project very active

...“give and take“ as a win win strategy

How actual is „4GL“?

Succesfull companies use a 4GL language!

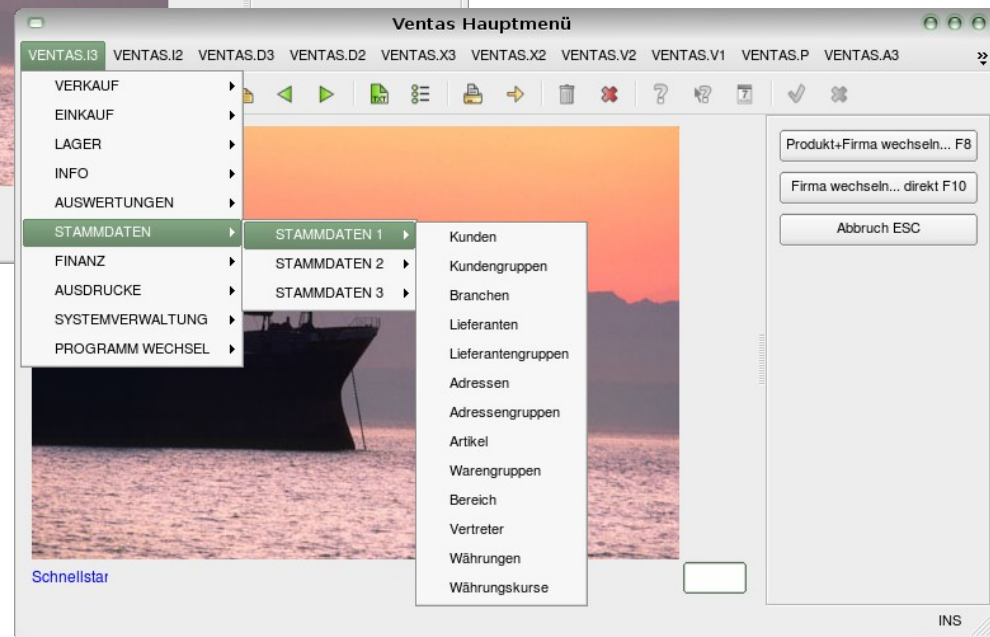
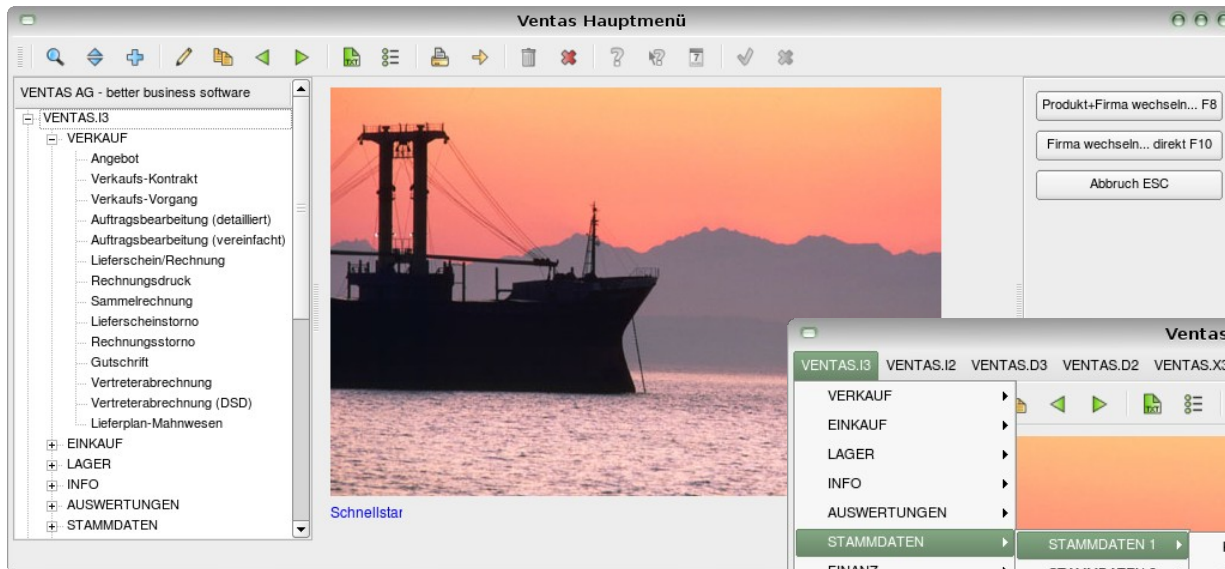
- SAP's ERP solution uses ABAP
- Software AG uses Natural, as a main product
- Microsoft uses C/AL (Navision)

... 4GL's are actual, reliable and cost minimizing

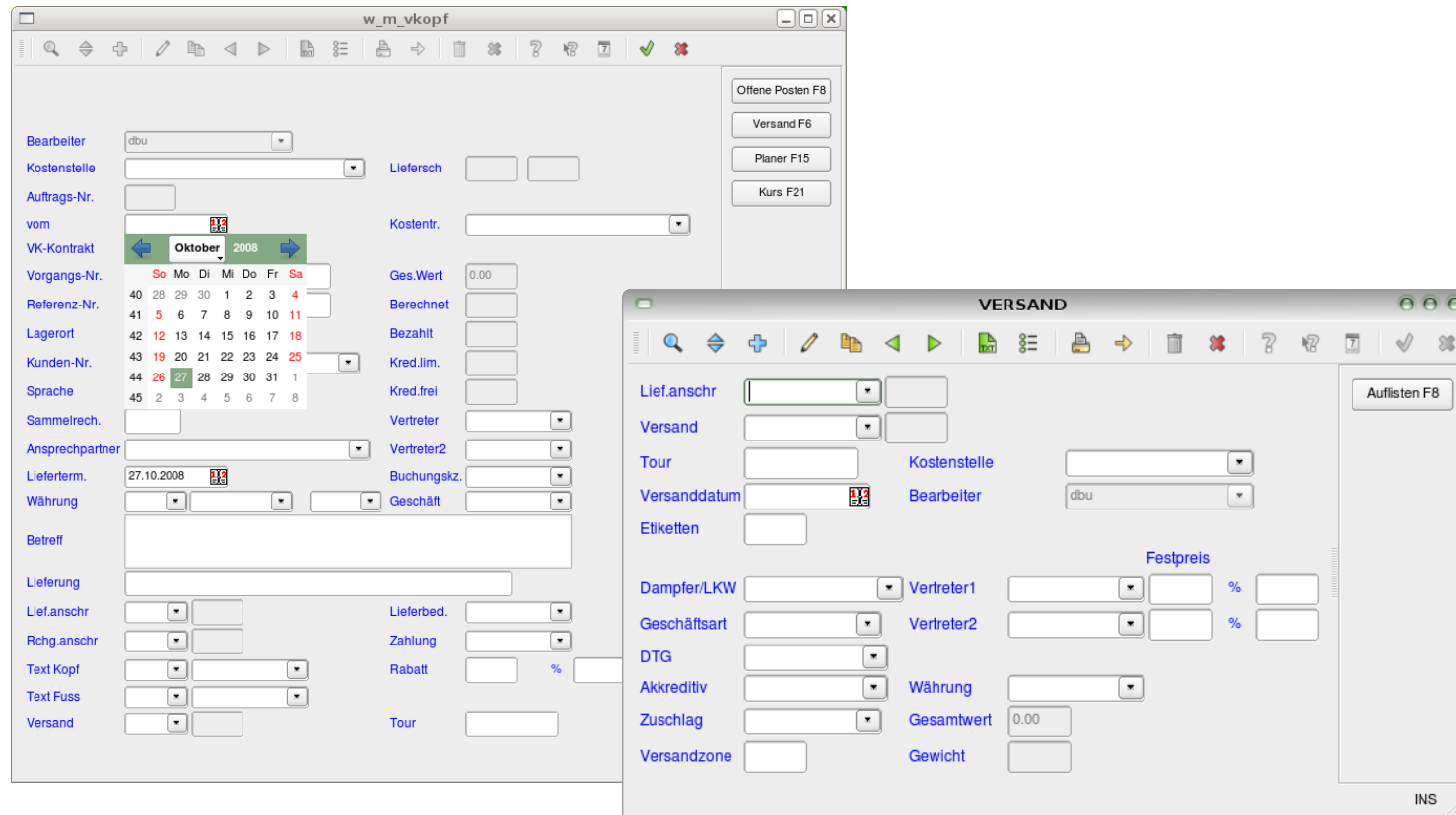
Why do we choose this technology for doing the GUI?

- C++/Qt support all important platforms (Windows, Mac OS and Linux)
- A lot of well known software shows what Qt can do: Skype, Google Earth, KDE for name only few
- Qt is open source and professional supported by Nokia

Screen Gallery



Screen Gallery



Screen Gallery

The screenshot displays the 'POSITIONEN BEARBEITEN' (Edit Positions) window in the VENTAS software. The window title bar includes standard OS controls and a toolbar with various icons. The main area contains a data table with columns: Pos. Nr., Artikel, Bezeichnung, T, Anz, Rab, VK-Preis, P, D, and Liefer. The table has one row with '1' in the 'Pos. Nr.' column. To the right of the table is a vertical list of function buttons: Umrechnung F5, Weiteres F6, Mwst/Preis F7, Auflisten F8, Nicht Drucken F13, Priorität F14, Stückliste F15, Long-Short F17, Historie F18, Text F19, Bestellen F20, and Preispflege F22. Below the table are several input fields for 'Ges.VE', 'Rohgewinn %', 'Buchung', 'Lieferant', 'ListPreis', 'EK-Preis', and 'Ges.Preis'. A modal dialog box is overlaid on the bottom right, titled 'VENTAS', with a question mark icon and the text 'Möchten Sie den Bearbeitungsschritt wirklich abbrechen?' (Do you really want to abort the processing step?). It has two buttons: 'Ja' (Yes) and 'Nein' (No).

w_m_anwender

STAMM

Suchen
Auflisten
Neu
Kopieren
Korrigieren
Vor
Zurück
Drucken
Löschen
Reakt
Optionen
Unlock
Weiteres
Ende

Kennung: as
Client: detect
Vorname: H.
Zuname: Schulz
E-Mail: x.Schulz@siberhegner.com
Telefon-Nr.:
Fax:
Faxfuss:
Sprache: D
Journal-Nr.: 3
Kostenstelle:
Phonetische Suche:
erfaßt: 01.08.1997
geändert: 02.12.2009

Abbruch

Möchten Sie den Bearbeitungsschritt wirklich abbrechen ?

Ja Nein

OVR

OVR

Flexibility

- Forms are converted into XML files. Hiding fields or changing their order can be done without programming
- We generate the main menu from the database as XML file
- The look & feel is based on CSS Style Sheets
- Changing Icons or the toolbar is only editing a file
- Being a Thin Client you can use the GUI also through the Internet

Optional tools: Template based document and report generation

@READRESSE	Delivery address: @LIEFERANSCHL
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Invoice No.: @REN R Date: @REDATE

AUF BASIS UNSERER ALLGEMEINER VERKAUFS- UND LIEFERBEDINGUNGEN LIEFERTEN WIR IHNEN AM @REDATE @LIEFERUNG IHREN EINKAUF SBEDINGUNGEN WIDERSPRECHEN WIR HERMIT ABSCHLIESSEN.

Your order No. @REFERENZ : from @DATE
Comments: @BETREFF:

Product : @ARKOBEZ
 Contract-No.: @KONTRAKT
 Lot-No.: @NRPARTJE

Quantity : @MENGE @ME net
 @GEWICHT2 @ME gross
 @MENGE @VE x @FAKTORE2 @ME net

Price : @WR @PREISPE @PE

Parity : @PARITY

Payment : @PAYMENT

Net total @WR @GESNETTO



Anzahlung.odt - OpenOffice.org Writer

Arial 8 F K U [Icons]

		RECHNUNG
Rechnungs-Nr. :	8088	Rechnungsdatum : 22.10.2007
Auftrags-Nr. :	3876	Fälligkeit : 29.10.2007
Kunden-Nr. :	BSP	Bearbeiter : Beispielbearbeiter
Ihre UST-ID :		Telefon :
Ihre Bestell-Nr. :		Seite : 1 / 1

Prototyp einer Auswertung anhand der Vorlage einer Nachkalkulation

MENGE	ARTIKEL/ LEISTUNG	PREIS	WERT in EUR
1	Anzahlung gem. Absprache	2.000,00/ St.	2.000,00
		MwSt: 19,00 %	Netto-Betrag: 2.000,00
		MwSt-Betrag: 380,00	Gesamtbetrag: 2.380,00

Lieferbedingung: Frei Haus Hamburg
Zahlungsbedingung: Sofort nach Rechnungserhalt auf das Konto der Postbank

Famous last words...

- C++ and C are known as be very fast at runtime
- The costs of porting to A4GL instead to go to Java or other 3GL language is very much lower
- Low cost after porting, no licence fees. Fast ROI
- Our product is based on practical experiences from 20 years working with 4GL

Where to find it

- The A4GL-Site: **aubit4gl.sourceforge.net**
- The GUI-Site: **www.ventas.de/opensource**
- The site of the 4gl Alliance: **www.4gl-alliance.com**

Welcome!