

Genero Clients and Services

Unix®

SQL

XML

Oracle®

RAD

Java™

GUI

MySQL®

DVM

Mac®



HTML

SOAP

IDE

Web
Services

Postgre
SQL

SQL
Server®

Linux®

Informix®

MS
Windows®

DB2®



Genero 2.20 summary

Desktop client

Web client

Web Services

Application Server

- **Migration of the underlying technology from QT3 to QT4**
 - Long term support
 - Better rendering according to desktop themes (Vista, MacOS, ...)
 - New widgets and widgets improvements (SVG, WebKit, HTML support, Picture Flow, ...)
- **Compatibility mode**
- **Tree view support**
- **Styling/Rendering enhancements**
 - Button rendered as link
 - Web component
 - Folder enhancements
 - Tabbed MDI
 - Full html labels
 - SVG rendering
 - Integrated search and spell checking
 - CoverFlow display array rendering
- **Report Viewer integration**

➤ Tree view support

➤ Styling *(except desktop too specific)*

- Button rendered as link
- Full html labels
- Web component
- SVG/SWF rendering

➤ XUL Snippets Set

➤ FrontCalls JavaScript framework

+ ActiveX extension to support GDC FrontCall

➤ A new Security API

You can ENCRYPT
DECRYPT
SIGN
AUTHENTICATE

against

XML Document
XML Fragment
Strings

➤ WSI compliance

➤ GDC HTTP Protocol enhancements

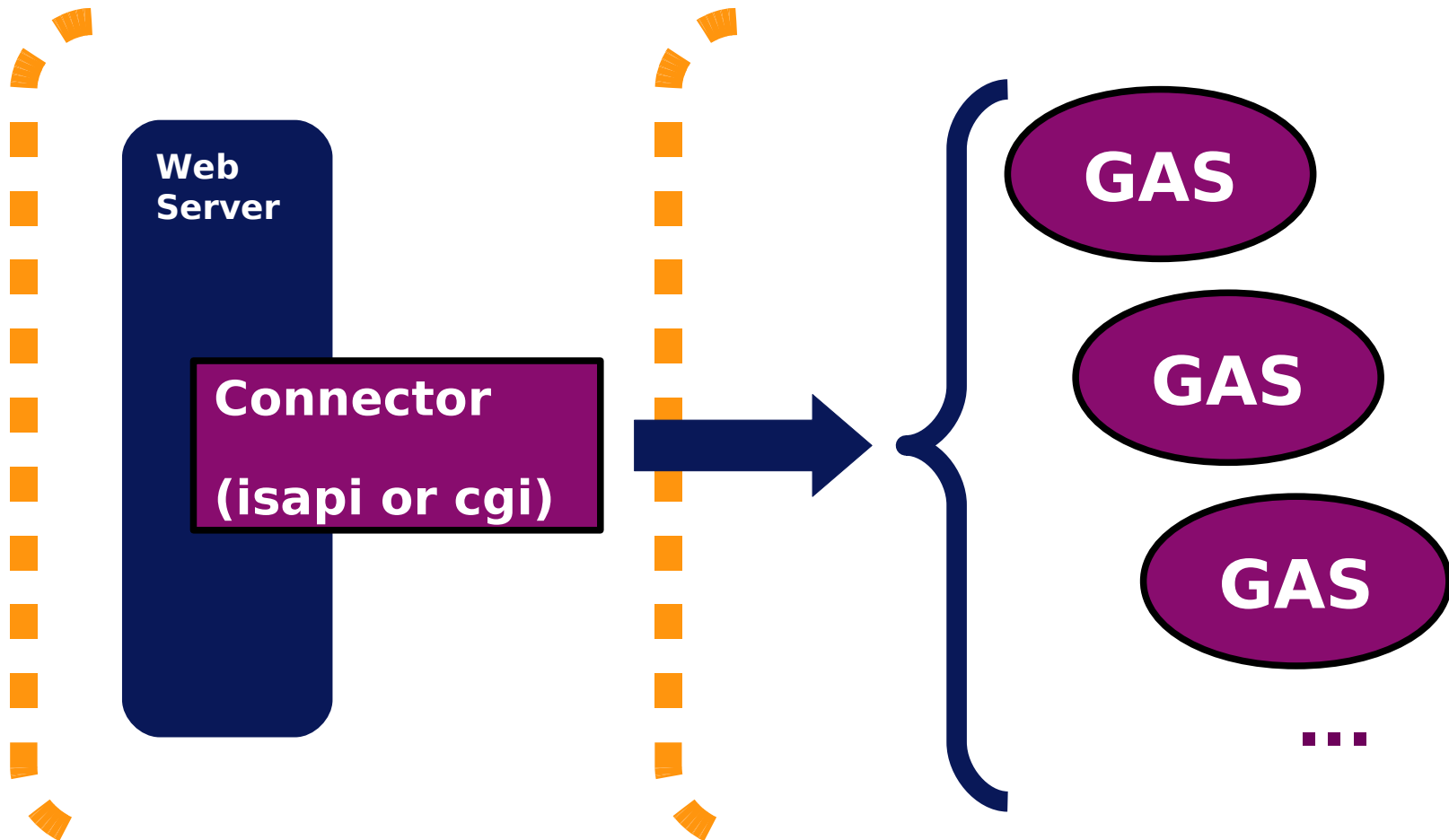
- More efficiency when using Secure connection, Authentication or compression
- Licenses behavior as GDC does with sockets connections

➤ Monitoring

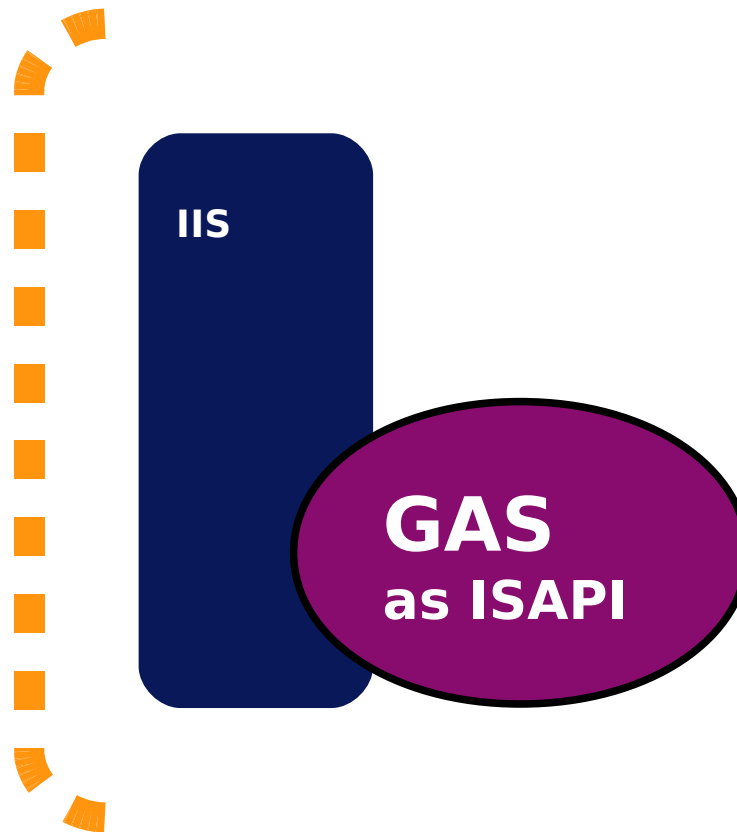
➤ Easier deployment

- New Connectors
- Multi-threaded core

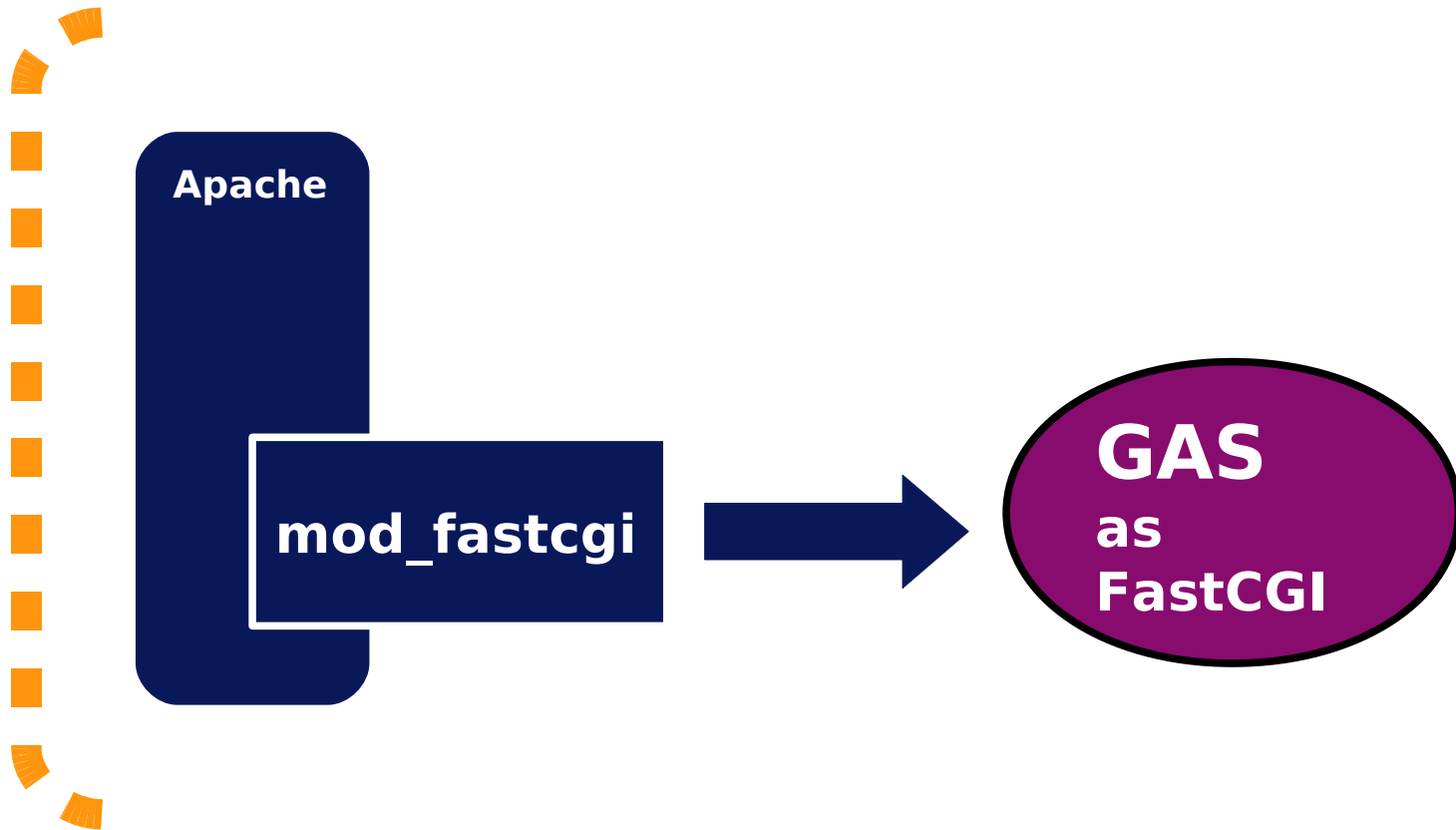
➤ 2.1x Deployment



➤ 2.20 Deployment on Windows Server



➤ 2.20 Deployment on Apache



Genero 2.21 draft summary

Desktop and Web client
Application Server

➤ 2.11 compatibility

Run Genero 2.11 application (FGLRUN 2.11)
on GDC 2.21 and GAS 2.21

➤ Other miscellaneous improvement

- Display Byte to Images
- ScrollPane containers
- SpinEdit ValueMin/ValueMax

➤ MSI installer for GDC

➤ Genero applications deployment helpers

- To configure XCF file
- To upload/deploy application/service resources on the Application Server
- To customize snippets ?
- To stop an application/service

Open Subjects

Drag'n drop

Manage charts in 4GL

Canvas Enhancements

RIA technologies (XUL, Silverlight, Flex)

GAS reliability

PDA native client

Main use cases

- Drag'n drop rows between two tables
- Drop objects/files on the current dialog or specific widgets in current dialog
- Drag and drop (aka move) canvas objects
=> See Canvas Enhancements Section

The goal :

- From an array of records, generate interactive charts and manage them (drill down)

Three options :

- **Interactive canvas**
 - Long because Self Made
 - + Homogeneous
- **Generate images or animation (SVG, SWF, GIF, ...)**
 - How to manage interactivity
 - + Already available
- **Display Array Polymorphism**
 - Rely on client capabilities (homogeneity ?)
 - + No modification in program logic
 - + Already experimented with PictureFlow

The goal :

- Handle 2D graphical and interactive application such as “workflow definition” or “put pallets on truck”

The missing features :

- Better graphical feature (styles, images, ...)
- Group definition
- Interactivity
 - Binding on actions for mouse manipulation (clicks, moves)
 - Moveable attribute

➤ **RIA = Rich Internet Application**

This is the main stream to develop new applications

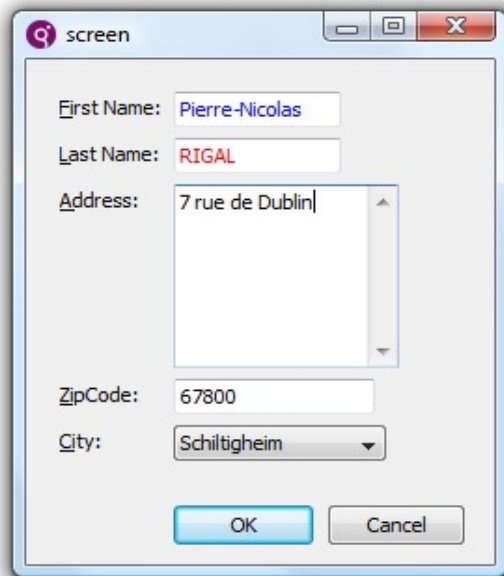
➤ **Several technologies**

- **HTML/AJAX** : Google Apps, Zimbra
- **XUL** : Amazon , Zimbra
- **Silverlight** : Vista, VisualStudio, ...
- **Flex (Adobe)** : ...

=> All technologies based on XML

➤ **Our Genero Web Client produces XML and, thus, is able to render your applications with all these technologies**

- **An architecture enhancement to keep users on GASd failures**
- **An architecture enhancement to remove the “sticky session” constraint**
- **J2EE Application Server integration**



screen

First Name:

Last Name:

Address:

ZipCode:

City:

OK Cancel



Windows Mobile 6 Classic

File Flash Help

screen

First Name:

Last Name:

Address:

ZipCode:

City:

OK Cancel

Notification Contacts

Thanks for your time



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Powered by
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GWS, GAS, GWC, GDC projects manager

