

# Crys@lid Server

## Web-enable your host legacy applications in record time !

### Legacy transformation to E-Business

Many large enterprises have a significant investment in legacy applications on their mainframe or host systems. **Revitalizing and enabling the legacy to the Web allows the host applications to participate in next-generation IT architectures.** This brings tangible savings and leads to a more reactive and open way to deliver new services at low cost to internal users (Intranet) and external users (Extranet) using a simple browser.

### E-transformation

For their e-transformation, enterprises have two simultaneous needs :

- answer new e-business needs by implementing new applications with new business functionalities: this generally represents a **long and costly re-engineering project**,
- adapt and extend their legacy applications to the Web, with a **high pressure on delays and costs**.

In the last case – legacy rejuvenation -, there are currently plenty of solutions available on the market. However with most of them, you are obliged to rework the screens one by one, thus requiring an heavy implementation process. And the tools claiming to achieve automatic rejuvenation have a resulting GUI of very poor quality !

**Crysalid Server has really "pushed the envelope" of current products on the automatization of the legacy rejuvenation process.** This is the reason why IBM has selected Crys@lid Server as part of their Host Integration portfolio, thus complementing its own Web-to-host offering.

## Two key features of Crys@lid Server

Crys@lid Server, developed and published by Layton Developments Ltd, is a non-intrusive Web-to-host server-based packaged solution, fruit of more than five years experience in the domain of 3270/5250 application rejuvenation.

Offering a quick and easy "Web enablement" process, Crys@lid Server features two distinctive characteristics :

### a) Massive Web enablement of 3270/5250 applications in days

**Crysalid Server is a pure Java server-side application allowing to convert, in real time and on-the fly, 3270 / 5250 legacy applications into HTML/XML pages onto ultra-thin clients and delivering a high-grade ergonomical GUI.**

### b) Integration of the legacy flow within new architectures

**Crys@lid Server allows the integration of 3270/5250 flow inside new architectures. As Crysalid Server is often part of large re-engineering projects, it has to integrate its SNA-to-web process with a host of other solutions like Desktop Portals, Single-Sign-On products, IBM Host Publisher, etc...**



## Benefits of Crys@lid Server

1. The main advantage of Crys@lid Server resides in the power of **its industrialized and automatized application rejuvenation process providing a high-level GUI** , meaning that
  - a. you don't need to do an inventory of the maps to be Web-published or a detailed one-by-one analysis of the screens or a description of the application logic,
  - b. you can handle a very large number of maps : the size of a Crys@lid project is independent of the number of maps to be handled (typically 10 to 100 days)
  - c. The automatic massive "on-the fly" rejuvenation process of Crysalid Server converts legacy screens into **highly ergonomical and intuitive web-style interface** to the end-user.
2. These above characteristics stem from the fact that Crys@lid Server has a **rules-based approach** : Crysalid Server analyses the 3270/5250 flow and recognizes patterns on which applies smart HTML/XML transformation rules. Moreover, Crys@lid server implements a concept of **"family"** : An ergonomic template can be set up for each family of screens or for each class of applications or even screen-by-screen. The translation engine of Crys@lid Server automatically maps the legacy screens onto these client's own defined family templates.

3. **Performances:** Crys@lid Server has been especially designed for large accounts running heavy-duty production Intranets (many thousands of connected workstations, low-speed links, large number of sessions) in order to deliver a high level of performance and excellent response times,
4. **Extensive Customization capabilities :** User interface rules can be easily adapted in the ergonomic templates via standard tools. Also the Crys@lid Server internal HTML/XML-XSL refacing process can be easily tuned, modified or adapted by calls to so-called "Crys@lid Exits" containing external specific-purpose logic.

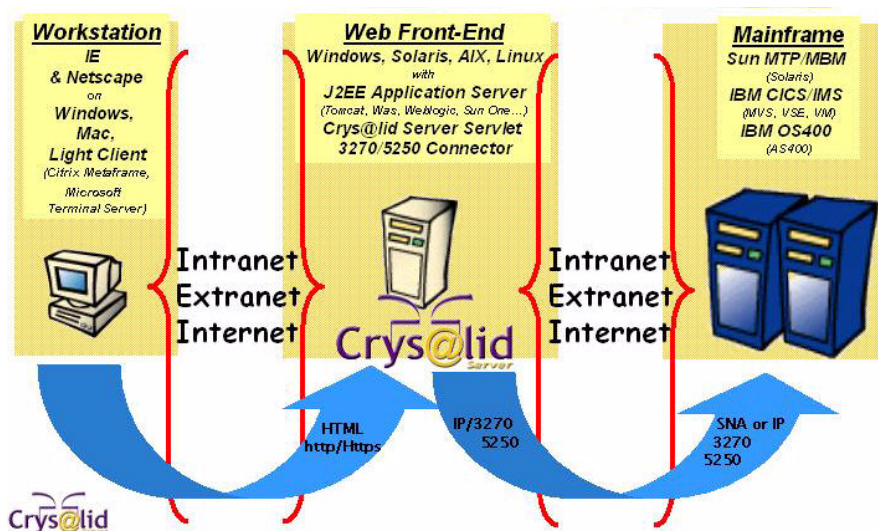
## Benefits for the customer

- Crys@lid Server is **focused on ROI** (non-intrusive, easy, quick to implementation, automatic)
- **Zero development :** Apart from the initial Crys@lid implementation project (10-100 days), once the application is put into production, there will be no intervention to do on the Crys@lid Server front-end side if the application is modified.
- **Zero deployment** because of the thin client architecture. Everything is centralized on the application server and no applet reside on the clients.
- **Zero maintenance :** Maintenance and evolution of legacy applications are still done at mainframe level. Mainframe developers continue to develop with their software design workshop (CoolGen, PacBase, etc)
- **Zero training :** Mainframe developer have only to master the mainframe environment. Knowledgeable end users don't need to retrain as they can continue to use the keyboard as before because Crys@lid Server supports the full 3270/5250 keyboard functions on the client.

## Supported Platforms

- Application server: WebSphere AS Standard Edition version 4 or above (runs also on WAS Advanced and Enterprise Edition), BEA WebLogic version 6 or above, 'Open Source' Tomcat 4.1 or above
- Java version: JSDK 1.2.2 or above, JSP 1.1+, Servlet 2.2+
- Operating Sys.: runs on all platform supporting WAS (NT, AIX, OS/390, Linux, AS400)
- Flow with the Mainframe: IP/3270-5250 (TN3270 or TN5250 server)
- 3270 connector: integrated or IBM HOD version 7 (Host-on-Demand) or Icominfo JCOM R4
- Client system: IE5.5 SP2+ or Netscape 7; and above

## Crys@lid Server Architecture



## Some of our references

Our target market is potentially any Large Account equipped with extensive Intranets or Extranets running a large number of workstations and 3270/5250 applications.

- **AIR FRANCE Group: +20 000 users**
- **MANPOWER France: 3000 users**
- **Crédit Agricole Group:** 60,000 workstations, thousands of maps,
- **BNP-Paribas Group:** worldwide roll-out : 12,000 workstations, 3,000 maps,
- **Crédit Mutuel de Bretagne:** project involving 11,000 maps,
- **GAN Capitalisation:** Extranet for salesmen and portfolio managers & Internet for 200,000 customers,
- **Robert Debré Hospital:** Integration of Crys@lid with Host Publisher,
- **CA Indosuez – Switzerland,**
- **Unicable – Switzerland,**
- **Mediofactoring (IntesaBCI Group) - Italy**

