JPath

Providing a modern graphical user interface for HPE NonStop 6530 and IBM 3270 applications

JPath integrates your mainframes with Web technology and, hence, creates an Internet look & feel for your legacy application, fully converting screens on the fly to GUI panels with no changes made to the host application.

Principle

The JPath approach is to derive your graphical screens on-the-fly by analyzing the original host screens using a set of configuration rules. These configuration rules can be refined to provide exact layout and processing specifications for individual screens or they can provide more general guidelines as to how screens are formatted.

Benefits

■ **Better way of working**
Along with a modern user interface come advantages like the following:
- Better user acceptance
- Less training effort
- Increased usability
- Increased productivity
- Reduced cost of errors

■ **Working from anywhere** / Legacy goes mobile
The host application be accessed from any Internet enabled computer, even from mobile devices with no Java installed.
Lower cost of application access is achieved by the following:
- Central software deployment
- Central administration
- Less Java maintenance when the HTML GUI is used

■ **Enhanced way of working**
Without changes the host application can be extended with functionality like the following:
- Consolidation – new screens can be designed by combining multiple green screens.
- Workflow Optimization – business processes can be streamlined by using data entries for filling similar fields in other places of the application, eliminating the need for the user to repeatedly re-enter the same data.
- Integration – data can be sent back and forth between JPath and another application so that e.g. graphs can be shown and pictures can be imported.

■ **Investment protection**
With the modernized user interface business logic can be reused without reengineering, leading to immediate satisfaction of e-Business requirements.

■ **Prepared for new developments**
New technologies can be employed at low risk by means of migration, i.e. starting quickly with a JPath GUI, the host application can be redesigned step-by-step.
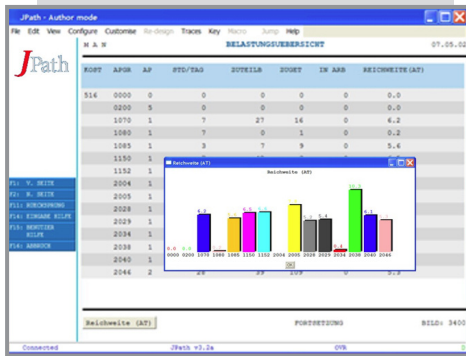
Requirements

JPath Application
- Java 7 or later
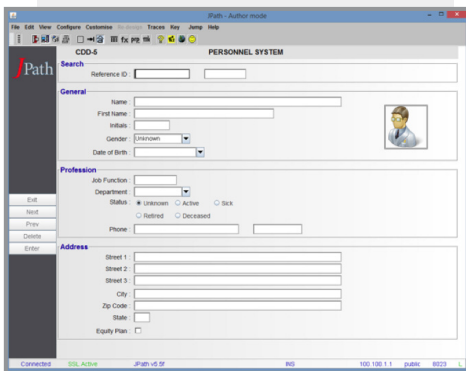- Standard Web Server (like comForte's SWAP, HPE's iTP, etc.)

JPath HTML
- Standard Web Browser
- Web container, e.g. Tomcat

JPath

JPath GUI with add-on

JPath layout feature with add-on

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Features Overview

■ **Dynamic One-to-one Graphical User Interface**
Out-of-the-box, green screens are transformed into Windows look & feel with the appropriate use of color, lines, proportional fonts, buttons, etc.
Labels and fields of a green screen are re-interpreted into Java GUI components.

■ **Replacement of simple data entry fields**
Simple data entry fields are replaced with checkboxes, dropdown boxes, radio buttons calendars, etc.

■ **Images**
Foreground and background pictures can be added to the GUI, and images can be derived from host screen character patterns.

■ **Function Key Bars**
Function key choices are displayed as buttons in a button bar.

■ **Push Button Menus**
Push button menus are created directly from host screen choice lists.

■ **Internationalization**
Host screen text can be translated online into the user's own language.

■ **Macros**
Automatic or manually triggered navigation macros can be recorded.

■ **Right-to-left text**
Bi-directional texts (Arabic) is supported.

■ **BIG5 Support**
Double byte characters (Chinese, Japanese) and IME are supported.

■ **Secure SSL or SSH connections**
Data sent to or coming from the host can be encrypted.

■ **Java API**
A powerful Java API enables screen optimization, data exchange with other applications, screen consolidation, etc.

■ **Layout Feature**
Independently of the green screen layout, a JPath author can manually layout individual GUI screens so that data is clearly structured in its logical context.

■ **HTML GUI**
Optionally, a HTML server version displays the GUI screens in a browser on the client computer without the need of a Java VM which e.g. allows for the use of mobile devices.