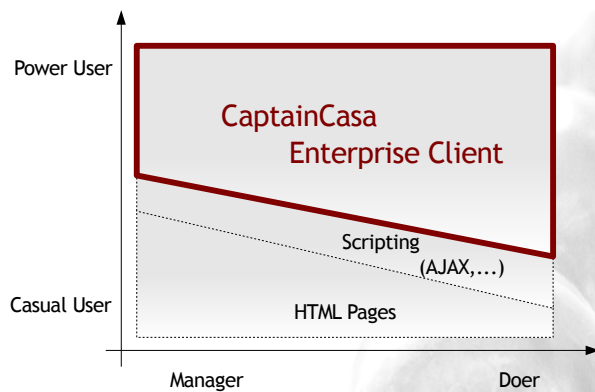


Enterprise Client in a Nutshell

Rich Client Dilemma

Browser and scripting-based rich clients have dominated the past years' discussions on frontend technologies. While improving the interactivity of traditional web pages, they failed to provide a solution for frequently or heavily used frontends.



Expectations in these areas are:

- **Performance**
Users expect client reaction durations to be measured in milliseconds.
- **Robustness**
One and the same application is heavily used throughout the whole day, without restarting the frontend.
- **Interactivity**
The interactivity of screens must range from simple forms up to complex processing with drag&drop, complex grid and tree processing, high numbers of components and more.
- **Installability**
Distribution of client software needs to be automated.

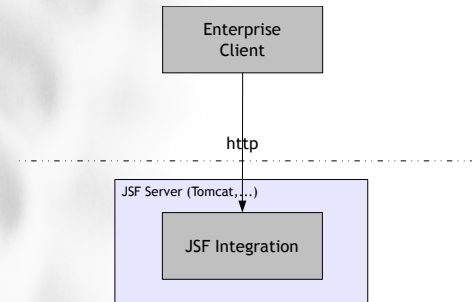
Enterprise Client Framework

CaptainCasa Enterprise Client is a rich client technology focused on providing user interfaces which fulfill the requirements of frequently and heavily used application frontends.

The Enterprise Client Framework consists of:

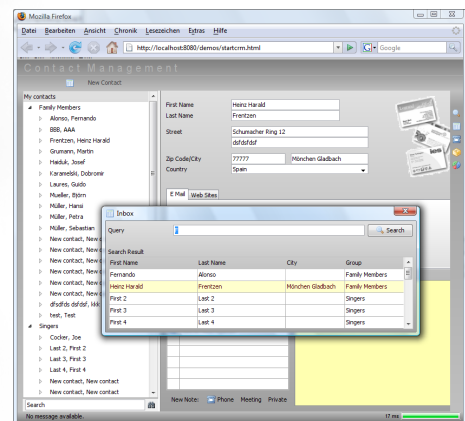
- **Enterprise Client**
This is the client which runs on the frontend side, providing the actual user interface to the user.

- **Enterprise Client JSF Integration**
This is the server-side binding of the user interface processing to the server side application. The binding is done using the JSF (Java Server Faces) standard.
- **Enterprise Client Designer**
This is a set of tools which make the creation of user interfaces and the binding of server-side logic extremely simple.



The Enterprise Client is a Java based, generic UI client that is accessed at the frontend by using webstart or applet technology (or explicit installation). It utilizes the rich set of Java Swing control libraries.

The Enterprise Client receives XML layout descriptions from the server, and sends client-side data changes and events to the server. Http(s) is used as communication protocol. Imagine the Enterprise Client being a browser that is not based on HTML but that is based on an XML layout definition.



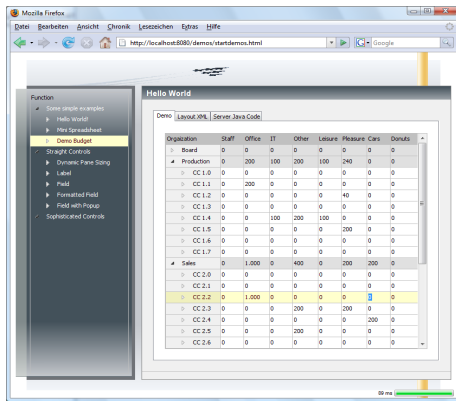
Enterprise Client Benefits

CaptainCasa Enterprise Client is designed to provide the frontend for enterprise applications.

- **Fast, robust, approved Client**
The client is built using Java Swing technology - which is used in thousands of mission critical applications and which is supported throughout a large set of client platforms: Windows, Linux, Mac etc. The client's rendering performance is 20-50

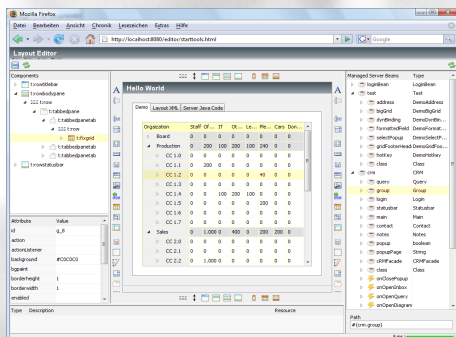
times faster than comparable HTML scripting technologies.

- **High Level User Interface**
All user interface components can be styled by a variety of attributes. You can define explicit style definitions in order to define different look and feels for different users.



- **Standard Server Processing**
Due to its generic browser concept the client can be bound to any http server environment. Currently the JSF standard is used on the server side in order to support Java backend scenarios. JSF is the standard for server-side UI processing - including processing of normal dynamic web pages. Using JSF, applications at the backend are scalable and support fail-over scenarios.

- **Fast Implementation**
Pages are designed in a WYSIWYG Layout Editor. All dynamic data and events of a page are reflected by a server side object ("managed bean") with corresponding properties and methods. No client-side coding is required. The Enterprise Client framework takes care of sending data from the client to the server and sending page updates back to the client.



- **Power User Support**
The client supports function keys, right mouse button menu, drag&drop and many more features which are required by professional users.

- **Simple Installation**
Accessing Enterprise Client the first time will install the client frontend infrastructure (Java Runtime and the client itself). Because the client is a generic client there is no necessity to update the client infrastructure every time the application changes on backend side (e.g. when screens are modified or added).

Targeted Market

Enterprise Client is a generically usable rich client technology for any kind of enterprise application. On backend side, Java is directly supported due to a JSF integration package.

Compared to HTML technologies, Enterprise Client requires a bit more installation effort (Java environment) but then provides much better speed and a much better user experience on frontend side.

Enterprise client is typically used in the following scenarios:

- **Application Vendors**
Many applications in the area of finances, logistics, sales, human resources and more require an adequate, fast user interface for operational users. Typically coming from the usage comfort of fat client technologies, vendors now expect a rich client technology to provide the same level of interactivity. And: vendors expect to use technology which is standardized and approved.
- **Software as a Service (SaaS)**
Users will not have any problems with switching to centrally installed applications - as long as the usage experience still is excellent. CaptainCasa Enterprise Client is adding usage comfort and frontend speed to the server-side application.

- **Project Usage**
Due to its JSF-based server infrastructure, Enterprise Client can be added into existing web projects, using the JSF skills of developers.

CaptainCasa GmbH
Hindemithweg 13
D - 69245 Bammental
+49 6223 484147
www.CaptainCasa.com
info@CaptainCasa.com