

e-Transformation of your Legacy Systems.

Through Cognizant's InstaWeb —the e-Transformation tool.



Cognizant's InstaWeb enables you to quickly and easily transition your Legacy systems to the Web.

Why e-Transformation?

The Internet has changed many of the business models. The key question is not whether to deploy Internet technology (companies have no choice if they want to stay competitive) but how to deploy it. Gaining such a competitive advantage doesn't require a radically new approach or system. It requires building on the proven principles of effective strategy.

Why develop a new e-business application when you can build on the strengths of your legacy applications? E-business is not about just building a front-end application but also about being able to integrate it with the core processes in the organization. The challenge is to hit the web, running in the smartest, most time- and cost-efficient way possible. And that requires the support of experts who understand the full spectrum of IT issues involved, inside and out. Without this solid infrastructure, a company's Internet strategy isn't going anywhere.

Cognizant's e-Transformation Offering.

Cognizant's e-transformation service offering encompasses *architecture and application development, integration, and on-going management*. By providing a powerful offering for e-business transformation, Cognizant helps companies turn themselves into digital enterprises quickly and cost-effectively, while fully leveraging their existing IT assets. Cognizant can quickly externalize the legacy application without making any code change to the backend system.

Cognizant's e-transformation solution offering is built around IBM technologies and doesn't involve any third party software or transaction based run-time engine. Cognizant's comprehensive set of offerings can help you achieve your e-transformation objectives and make e-business your company's everyday business. *Without blowing your IT budget.*

Legacy Transformation Approaches.

- **Screen Scraping:** Legacy applications can be just screen scraped and the values will be shown in a browser instead of an emulator. This option doesn't add much value, but provides a quick web interface for CICS and IMS applications. Example: IBM Host on Demand.
- **Servicification:** In this approach, CICS/IMS transactions are converted to messages, which can serve the front-end Java application. Involves minimal or no backend changes. These messages also provide get/set methods for elements in the message (CICS/IMS screen) and hence the Java application can easily transfer the data with legacy application. Multiple screens can be merged and navigation flow can be customized using this approach. Examples: MQSeries, CICS Transaction Gateway, IMS Connect.
- **Componentization:** The existing application can be re-engineered into re-usable business

InstaWeb Features

- ✓ 100% Java
- ✓ Ability to merge multiple host screens
- ✓ Simple workflow
- ✓ View Control Model Architecture
- ✓ Error handling framework
- ✓ Field-level controls for host screen
- ✓ Translation table for pull-downs
- ✓ Visual editing facility to customize the web page
- ✓ Supports external web pages
- ✓ Uses CICS Transaction Gateway– EPI Beans
- ✓ Supports popular databases
- ✓ Supports Websphere, Weblogic



Cognizant Technology Solutions

You create the future, we develop it.

components separating presentation and business logic. These business components can then be called from a Java application when needed.

Cognizant's Legacy-to-Web Offering. Cognizant has helped many of its customers extend their legacy applications to intranet, extranet and internet. The cumulative experience shows that most of the customers would like:

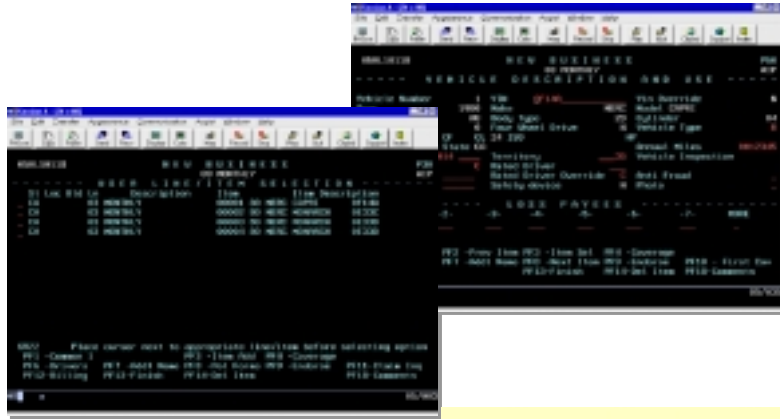
- To continue with their enterprise applications without any major changes
- To consolidate rather than replicate the business logic in multiple tiers
- Not to replicate the huge enterprise databases
- A flexible middle-tier architecture with the ability to support additional interfaces or integrate with other applications
- The ability to customize and merge multiple host screens and provide GUI features for the web page
- Quick deployment

Cognizant's *InstaWeb* provides a perfect answer to the above needs. *InstaWeb* automates the "Servicification" approach and helps to reduce the complexity and time taken for e-transformation.

About InstaWeb. *InstaWeb* is a one-stop shop for your legacy-to-web solutions. The tool takes the user through various stages of legacy transformation. The key differentiation for *InstaWeb* offering is that it is built using IBM technologies such as CICS Transaction Gateway for connecting to the legacy application and hence doesn't need any tool-specific, run-time component.

InstaWeb design is based upon the basic assumption that any "business function" performed by a host application can be defined to *InstaWeb* in terms of how it is performed today in the host application. These can then be mapped to how these "business functions" are desired to function in a Web scenario.

InstaWeb uses View-Controller-Model architecture. This architecture ensures that the user interface, host interface and control logic are loosely coupled and can be easily customized or replaced by an equivalent logic. The layered architecture also lends itself amenable to interface with external systems.



e-Transformation Using InstaWeb: Sample Screenshots



InstaWeb makes legacy externalization workflow very simple. The user is allowed to import the BMS maps or provide the screen details in an Excel sheet. The system generates screen equivalent Java beans from these. The user can then define the backend navigation as it happens in today's world and the criteria to merge those backend screens. The Page-Editor feature presents these merged screens and allows the user to play around with how the final Web page should look like. The user can ignore some fields, change them to drop downs, move around the fields and rename the labels. User can also add the buttons on Web page and associate the "business function" to be performed by the buttons. All the user now needs to do is associate the backend navigation with these "business functions" and you are ready to generate the middle-tier components that are ready for deployment.

The Bottom Line.

Using *InstaWeb*, Cognizant ensures quick and effective transition of your legacy systems to the Web. In addition is the expertise and experience that Cognizant brings to you.

Whether you judge us by our exceptional e-transformation solutions, our superior project management skills, or our overall level of superior IT expertise, we are uniquely equipped to help ensure that your legacy systems make a smooth transition to the Web.

InstaWeb-Benefits

- ✓ Flexible and proven architecture
- ✓ Ability to integrate with other applications
- ✓ Generates a ready-to-deploy solution
- ✓ Reduces deployment timeframe by over 40%
- ✓ Built on IBM Technologies. Uses no third-party run-time engine

Cognizant-Benefits

- ✓ Top Quality: ISO 9001 and CMM Level 5 certified processes
- ✓ Onsite-Offshore project implementation methodology that enables 24x7 work execution and cost-effective solutions
- ✓ State-of-the-art facilities, including high bandwidth connectivity between your offices and our development centers
- ✓ Total client focus that has made almost every client we have won remain with us

Cognizant delivers it all.

**Experts in IT consulting.
Specialists in e-Transformation.**