Distributed Information System for e-Booking (IReservé)

Project summary
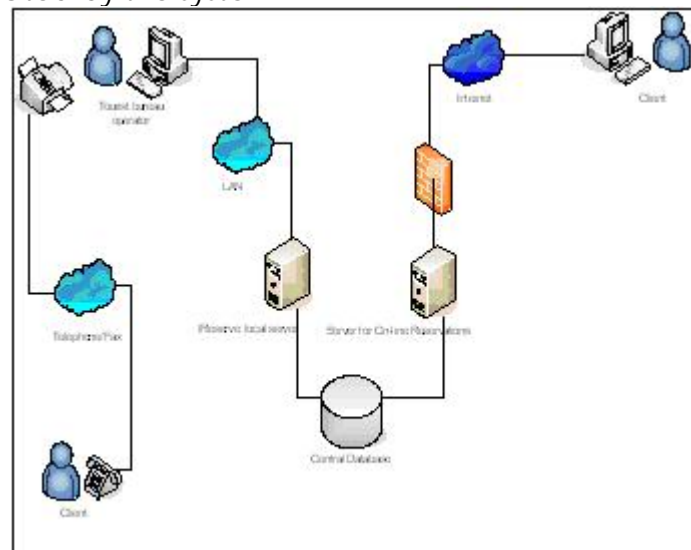
EIN·SOF

customer	Travel Agency Clients
project challenge	Artificial separation of the financial and booking/sales processes and high dependency on travel agency employees presents the biggest problems within the agencies. Most of the business processes are not documented and exist in the operators know-how. Expansion of the Internet as media for browsing, booking and online payment provides a good opportunity for automation of the travel agency's operational processes.
Approach	**Business analysis** EIN-SOF conducted a detailed analysis of the typical travel agency using UML 2.0 for analysis and definition of workflows. During the implementation, EIN-SOF continually performs additional analyses in order to optimize the final solution. **Development process** Development process is based on V – cycle development model, implemented in each project, based on ISO 12207 standard. **Quality Assurance** EIN-SOF is ISO (CMMI) certified company, Practicing IEEE Software development standards and Project Management.
solution	**Development Platform** – Java – J2EE NetBeans; – Hibernate – PostgreSQL / IBM CloudScape – Altova XML Spy; – TomCat – JBoSS – Apache
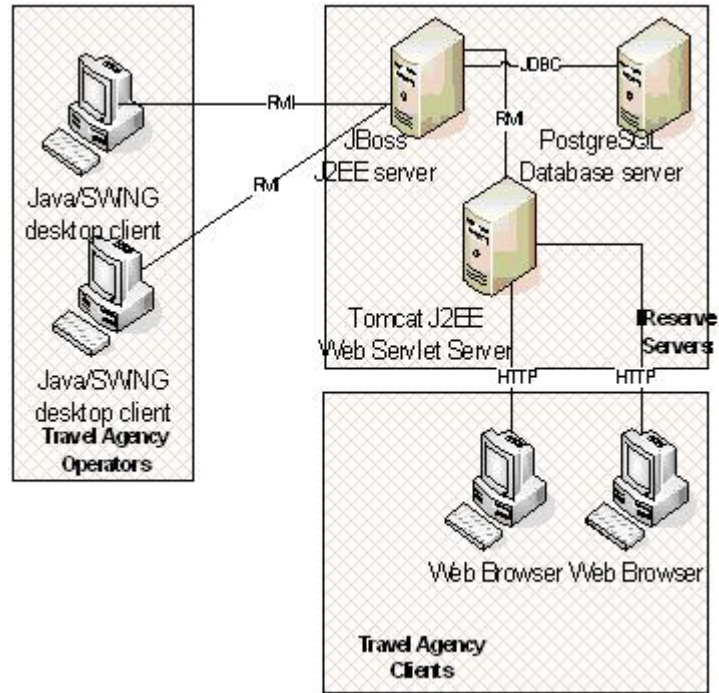
 The solution is an integrated web-based system to be used in the travel agency with support for:
- – Search and browsing of predefined tour packages
- – e-Marketing
- – Web configurator for user managed trips
- – Search by map of destinations

The solution enables the execution of the required processes in real time, allowing for quick response to the information generated by the system.

modules	**One-stop shop**
	– Tailor made trips configurator
	– Predefined tours
	– Internet presence
	– On-line booking
	– Support for accounting
	
	Configurator
	• Tailor made trips configuration according to the needs of the customer
	• Booking of
	  – Airplane tickets
	  – Rent a car
	  – Hotels
	  – Extra services
	
	Predefined tour
	– Definition of a tour with promotional prices
	– Profitability assessment of the predefined tours
	– On-line promotion of the predefined tours
	– Categorization and search
	
	Online booking
	– Booking of the requested resources in real time without need for communication round trips
	– Support for the largest online booking system – "SABRE"
	– Automated preparation of vouchers for the booked resources
	
	Accounting
	– Automation of the accounting process
	– Integration of the booking system with invoicing subsystem
	– Integration of the booking system with the payments toward suppliers (airlines, tour operators, rent-a-car companies and hotels)
	Additional options
	– Multiple platform deployment options (Windows, Unix, Linux)
	– Support for large number of parallel users (clients or travel agency operators)
	– Reports regarding profitability, norms, statistics, etc. Reporting during different periods: monthly, quarterly, yearly
	– Tracking of client request and habits
	– Statistics and client history

	– Tracking of passengers in each trip – Tracking of price fluctuations during a certain period of time (high season, low season, Christmas ..)
results	Ein-Sof IReservé is a robust system for automated management of travel agencies with support for the latest internet technologies. The process automation offered by IReservé provides full coverage of the operations, from online booking to closure of the accounting processes such as billing and supplier management.
reusables	• trips configurator • scheduling appointment • components for registration, distribution and archiving of documents • support for accounting • sending notifications by e-mail • sending notifications by SMS • integration with LDAP • safety administrator module • support for the largest online booking system – "SABRE" • automated preparation of vouchers for the booked resources • Integration of the booking system with the payments toward suppliers (airlines, tour operators, rent-a-car companies and hotels.)
about	Ein - Sof is a leading provider of end-to-end IT services and solutions for both local and global companies. The company has a client-centric engagement model that combines local, senior, on-site resources with the cost, scale and quality advantages of off-shore operations. In every business engagement, we seek the opportunity to build long-lasting, strategic relationships. This client-centric focus forms the basis for how we, as a company, operate and serve our clients. Commitment to long-term client success empowers every associate to provide value and flexible beyond contract. The industry leading expertise found within our technical center plays a key role in our success with clients. Ein Sof delivers practical IT solutions that allow clients to consistently achieve their most critical business objectives.

We adopt best practices methodologies to include V Cycle for software development and ISO 9001 for quality management. Our technical center has been assessed at CMMI level 3, indicating that all standard processes have been defined and documented. These certifications and practices provide a qualified foundation for all Ein Sof service offerings and enable our clients to benefit internally.

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