



Technology Partners, Inc.
www.tppr.com

Industry: Technology partners offers horizontal solutions to solve business issues in multiple markets. In essence, technology partners provides services to organizations in heterogeneous verticals, either be it 'custom development' solutions, or enterprise data-warehouse solutions including business intelligence tools deployment using oracle business intelligence tools and database administration services.

Oracle Products & Services:

- Oracle JDeveloper 11g R1
 - Oracle Team Productivity Center (OTC)
 - Model View Controller Development using Java & JSF
- Oracle WebLogic Server 11g R1
- Oracle RDBMS Database 11g
- Oracle BI
- Oracle Data Guard 11g
- Oracle Glassfish v3
- Oracle MySQL

Related Software

- Tomcat
- IBM Websphere
- CVS (Concurrent Versioning)

TECHNOLOGY PARTNERS

“Oracle JDeveloper + Oracle Team Productivity Center provides a unified development environment and a rich experience, allowing developers to interact with each other, Project Managers can easily track task progress. ALM becomes more interactive in terms of development decrees.” - José A. Resto, Technology Partners, Inc.

Executive Summary

Technology Partners is a full service IT consulting firm specialized in the delivery of innovative, value-driven software and systems solutions that have enabled organizations to leverage technology for their competitive advantage. In the process of delivering solutions, Technology Partners realized that they needed a more collaborative approach while developing custom applications for their customers and this is where they turned to Oracle's JDeveloper 11g and OTC. The combination of JDeveloper and the integrated Team Productivity Center provided for collaboration between developers within the IDE using integrated chat as well as the ability to assign tasks with the task connector provided by OTC. The task connector allowed for the assigning of tasks with timelines to developers and thus allowed for progress tracking of the development effort.

The Business Issue

Prior to OTC, Project Managers needed to call for a meeting to every developer weekly, in order to be assured that the vision to develop a particular module were in sync, or to have knowledge of tasks progress.

When a scheduled meeting didn't take place, the misunderstandings began because of continuing back and forward of information through emails or phone. It was easy to have a week without a clear understanding of the team's performance, progress and project executions.

Key Challenges

- Preference towards using one IDE for development, collaboration, and use of in deployment of application to the various application servers available today from Oracle's WebLogic Server, to Websphere, Glassfish, Tomcat, etc.
- Prior to Oracle JDeveloper and OTC developers were using standard email and stand alone instant messenger to collaborate and now with OTC, this is all integrated within JDeveloper thus allowing for real-time collaboration within the IDE including management of tasks.
- With CVS/Subversion fully integrated, developers can commit changes to versioning repositories associated to a defined task/

Solution: Oracle JDeveloper 11g / Oracle Team Productivity Center

Oracle JDeveloper 11g along with OTC has allowed Technology Partners to more effectively collaborate between members of a development team in their application development efforts within the Application Lifecycle Management (ALM) process. Their success is due to the use of instant-messaging capabilities, or chat as a collaboration tool, task connector for assigning and tracking tasks to developers, and

- Apple Mac OS
- MS Windows Server
- MS Windows XP
- Gmail Chat Server
- IBM Cognos
- IBM DB2
- Microsoft .Net

Project Scale:

- 2 Project Managers
- 1 Technical Architect
- 6 Developers
- 6 Applications
- Over 10 EJBs
- More than 200 JSPs
- More than 100 Java Classes
- 6 CVS repositories

“Prior to this technology, all these tasks were performed via traditional methods such phone conference, email and meetings. There were so much time wasted weekly and in many cases the productivity were not efficient as expected.” - José A. Resto, Technology Partners, Inc.

in the future integrating Microsoft Project Server with OTPC's available connector for MS Project Server which will provide for project planning including defect tracking. In addition contextual linking of work items through tags and relationships have enhanced the productivity of Technology Partners developers. Context information about development files can be saved against a work item (task) and restored by the developer as needed.

In terms of collaboration JDev + OTPC offers an integrated chat interface which connects -in the case of Technology Partners- to Google Chat (Gtalk). Developers and Project Managers could easily chat with each other in the same IDE. There is no need to open different applications with different credentials to have access to task progress.

Business Value

- Oracle JDeveloper / OTPC provided one source of truth thus allowing the developers to be more productive through the use of integrated chat and task management.
- Developers no longer need to send emails around through a separate email system. Now through the use of Oracle JDeveloper and OTPC they can create and assign tasks and chat with one another through Gmail Chat Server integrated through OTPC within Oracle JDeveloper.
- Project Leaders can track task progress by developer without interacting with them by email or phone, making them more productive and providing more free time to accomplish other tasks.

Credits:

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José A. Resto – Technology Partners, Inc.

Susan Duncan – Oracle Corp.

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Application View

The screenshot displays the Oracle JDeveloper IDE interface. The main window shows the source code for the 'RelacionCuentas.java' file. The code includes annotations like '@JoinColumn' and '@Transient', and a public class 'RelacionCuentas' implementing 'RelacionCuentas'. A 'ZScript function: Summarize numeric fields' is also visible in the Properties window. The 'Barbara Tasks' window shows a list of tasks, including 'ZScript function: Summarize numeric fields' assigned to 'Barbara Morales'.

Task ID	Task Name	Assigned To	Priority
1	Infraestructura	Barbara Morales	None
2	EJBs Cooperativas	Barbara Morales	None
3	EJB SecurityFacade	Barbara Morales	None
6	DMLs EJBs Cooper...	Barbara Morales	None
7	EJBs de Sifcoop239	Barbara Morales	None
21	Creación Informes	Barbara Morales	None
41	Cooperativas 239	Barbara Morales	None
42	Estado Situación Fi...	Barbara Morales	None
61	Disable Informes fi...	Barbara Morales	None
62	ZScript function: S...	Barbara Morales	None

The screenshot displays the Oracle JDeveloper IDE interface. The main window shows the source code for the 'main.jsp' file. A 'Commit to CVS' dialog box is open, showing a list of files to be committed, including 'InformesServlet.java' and 'informesList.jsp'. The dialog also includes a 'Comments' field and a 'Template or Previous Comments' dropdown. The 'Commit to CVS' dialog is titled 'Commit to CVS' and has 'OK' and 'Cancel' buttons.