

CAST Application Intelligence

for ORACLE Applications

With CAST, the process of integrating and adapting applications such as Oracle applications becomes more automated, faster and more secure.

Oracle Applications' Issues

To fully integrate Oracle applications with existing corporate systems and quickly adapt them to company-specific needs, IT teams must often:

- create and maintain extensions to fit their specific environments
- develop and maintain interfaces with existing applications
- implement rapidly Oracle applications' upgrades and patches

To do so, they require a thorough understanding of all the applications' inner structure in order to keep in mind a complete picture of their current system. This knowledge is often lacking among ERP developers or subcontractors who thus need to manually collect and correlate information from various and incomplete sources... Worst still, without this specific knowledge, any change to one of the applications may result in huge side-effects on all of the others.

CAST's Answer

CAST Application Intelligence technology gives developers the complete and accurate knowledge they need about their applications' inner structure (Oracle applications, extensions & interfaces), in order to locate and reassign the applications' logic. IT teams can avoid to manually reverse-engineer their source code and focus on leveraging the automatically-generated knowledge through:

- graphical roadmaps that enable fast exploration of the application's structure
- automated change simulations that eliminate unwanted side-effects
- an open knowledge base that supplies HTML documentation of the system

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The Problem

Creating and maintaining extensions and interfaces to Oracle applications may hinder the evolution of the entire system. CAST AIP Automat Function Point

Problem 1: INTEGRATION

When adapting Oracle applications to their needs, many customers end up developing specific in-house extensions to fit in with their requirements. These extensions are often written with Oracle Developer Suite, but they may also use a variety of other development languages.

Problem 2: UPGRADE & EVOLUTION

Additionally, all these developments are subject to rapid change, either for functional reasons (new requirements from users) or technical ones (patches, upgrades...). A modification to any of the applications is likely to have a significant impact on many others. Unless one has a deep understanding

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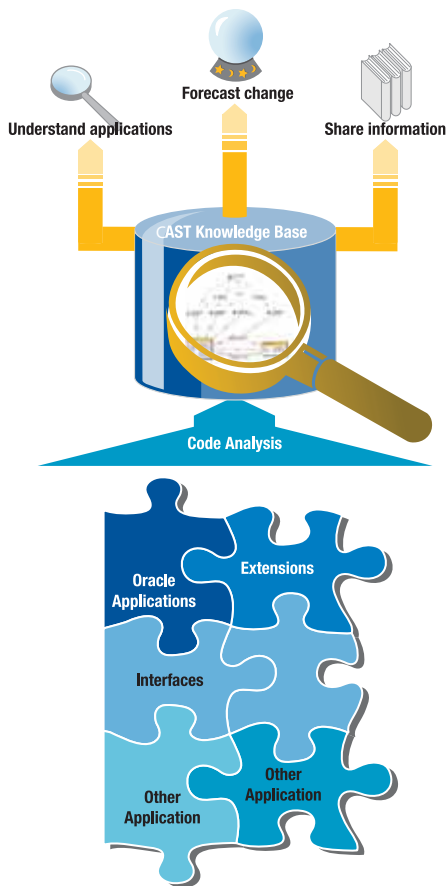
Questions?

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of all the applications' inner structure, the impact of changes cannot easily be assessed or avoided. It rapidly becomes a formidable task to maintain or even upgrade the applications involved. This may create frustration among both end users and developers.

The Solution

CAST Application Intelligence Platform gives developers an immediate understanding of their applications to facilitate implementation, customization and upgrade of Oracle applications.

How?

CAST Application Intelligence technology is based on advanced code analyzers that perform a syntactic and semantic analysis of the application's inner workings. CAST Application Intelligence Platform includes analyzers that detect all Forms objects, PL/SQL objects, Pro*C files and their interdependencies (*) and even the links between applications themselves. The information gathered is

stored in a data warehouse, "CAST Knowledge Base", where it is continuously updated by the code analyzers. IT teams can use and leverage this knowledge through Enlighten and Envision, CAST client tools generating graphical views of the application's inner workings, change impact simulations and up-to-date documentation.

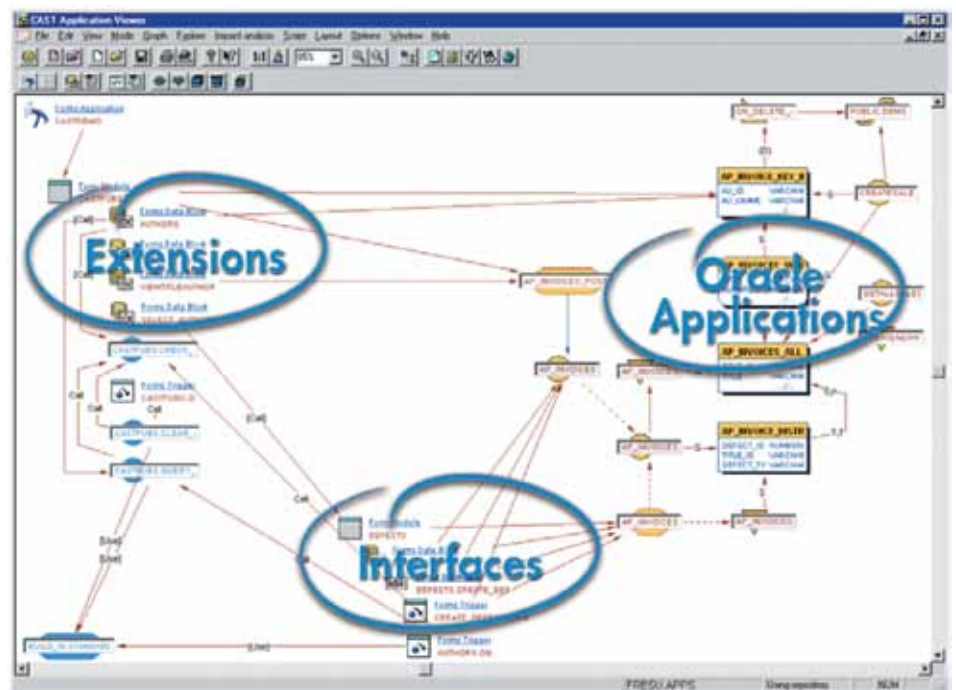
Benefits

Understand application dependencies at a glance. CAST interactive application blueprints show various views of any application's inner structure. With these roadmaps, developers can locate the different components of their Oracle applications simply by dragging and clicking their mouse. It becomes much easier for them to understand how Oracle applications work and interact. The creation of extensions and interfaces is therefore enormously facilitated.

Simulate and implement changes quickly & safely. CAST Enlighten & Envision client tools simulate the impact of changes and

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Graphic view generated by CAST Enlighten client tool, revealing all interactions between an Oracle application, its extensions and interfaces.



generate calling graphs featuring all possible side-effects on the applications themselves. Furthermore, being a 100%-integrated solution: a double-click on the graph enables immediate access to code editors to implement the identified changes. The adaptation of Oracle applications' extensions and interfaces to new requirements becomes faster and more reliable.

Maintain and upgrade the application set with ease. The application's documentation—graphical views through a Web portal or HTML reports—is continuously updated by CAST analyzers, to provide IT teams with a dynamic knowledge base throughout the project lifecycle. They can also choose to run SQL queries against this knowledge base to gather specific information. The results are centralized within one single source, thus facilitating maintenance and upgrade of Oracle applications' projects, despite staff turnover.

Width & Depth of Coverage

CAST Application Intelligence Platform relies on a database-driven and modular architecture to provide unparalleled width and depth of coverage of technologies used by application development teams. CAST automatically analyzes all the layers of your applications in

a consistent manner to extract knowledge from the source code.

We analyze over 15 major programming languages with dedicated analyzers and a Universal Analyzer to parse other languages:

- Server and client tiers: Java, .NET, C/Pro, C, C++, Powerbuilder, Vb, Delphi, Oracle Forms, COBOL/JCL...
- Database tier: all major SQL dialects
- Specific environments: TIBCO, BusinessObjects, CICS, IMS, SAP/ABAP...

CAST - The Company

CAST is the pioneer and leader of Application Intelligence. With more than 14 years of experience in advanced source code analysis & delivery of application intelligence, CAST offers a unique portfolio of comprehensive products and solutions. CAST is listed on Compartment C-Eurolist by Euronext Paris. To date, CAST has invested over \$50M in R&D. It serves Fortune 500 customers with a network of 11 fully-staffed offices in the US and Europe. CAST is a recognized leader by all major IT analysts.

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