



C++ with ITP-PANORAMA

How to maintain ten of thousands of classes, objects, methods and members

ITP Software
Systems Ltd.

Master your software with ITP-PANORAMA

www.itp-panorama.com

C++ Development

The idea behind Object Oriented Programming is to build reusable components (classes and methods) and to create applications that are easy to understand and maintain. While the models used at universities are straight forward and clean, real life is far more complex. Additionally if the developers who wrote an application have left the organization, the understanding of that unfamiliar software can be as difficult as dealing with legacy systems.

Classes may be developed in-house, in India or Brazil or downloaded from SUN/Oracle or other sources. Applications or their parts may be bought from ISVs. Imagine that you get new releases of classes and need to know what impact that will have on your applications. Developers who have to understand and change such a complex application need support.

Tool vendors concentrate on C++ development. ITP is virtually unique in providing tools to modify or enhance large numbers of classes and methods.

How to master tens of thousands of Classes and Objects?

Each change made in complex applications contains risk. Therefore the impact of the change has to be analyzed carefully to prevent a potential crash. Can a developer guarantee today that their impact analysis is 100% correct and comprehensive?

Major IT users will have heterogeneous IT systems for a long time. Thus they need an environment that supports all programming languages that are being used. ITP-PANORAMA unites all sources in one HyperCube Repository under a unified user interface. It allows navigating across all applications with a mouse click. ITP-PANORAMA brings transparency to any changes made to the software, is easy to understand and can be learned in only four hours.

ITP-PANORAMA to answer all questions

In a "real" Object-oriented application, classes have to be properly maintained and should not exist as multiple copies.

- Many classes may have the same name, but do different things
- Which of these classes is used by an particular application?

- Which method is processed if it is used in various classes?
- What member and method has a particular class with all diversions?

When a new version of classes is downloaded from the Web or is purchased from a vendor;

- What was changed in the classes, where are they used and what is the impact of the change?
- Which Run-Time Environment is affected and how?

How much time is spent to answer these questions? Trying to solve these problems without ITP-Panorama is not a cost effective solution.

How helpful would it be if all questions in a complex application system could be answered in less than a second?

ITP-PANORAMA was designed to help developers master complex applications written in C++ and other languages, modern or legacy.

ITP-PANORAMA Scanners

They are extremely fast. The code is split into each little detail that is later used as a search key. All dependencies are checked across the entire IT system and all inconsistencies are put on an error list. Calls of programs outside the C++ applications are also checked. This helps to avoid bugs that are very difficult to locate without ITP-PANORAMA.

HyperCube Repository

This technology enables response times of less than a second. This speed makes ITP-PANORAMA a powerful productivity tool. The search by mouse click brings the information searched for including all related data. This supports associative and intuitive thinking. All dependencies are shown beyond classes and packages.

Summary

- Daily updated technical documentation
- Transparency over all classes and objects
- Panoramic view across all systems
- All details selectable by a mouse click
- Redundancies easy to find
- Dramatic increase of productivity
- Indispensable for quality assurance
- Easy to understand and use
- Supports hundreds of developers
- Helps to deliver on time and on budget

More information at www.itp-panorama.com
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