



Software Group - WebSphere

WebSphere® Studio Asset Analyzer

Enabling the Enterprise
for On Demand

ON DEMAND BUSINESS™

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Updated October 23, 2006

An IT organization's existing applications are its most valuable assets, and maintaining them consumes a large portion of the typical IT budget. With WebSphere Studio Asset Analyzer, IT organizations can increase maintenance productivity and accelerate projects which transform applications that enable their business to respond more flexibly to changing markets and IT requirements — including enabling existing applications for Web services and a Service Oriented Architecture (SOA). This presentation is an overview of IBM WebSphere Studio Asset Analyzer.

How can WebSphere Studio Asset Analyzer help?

Cost and Complexity Reduction

Enhance the efficiency & maintainability of enterprise applications

- **Outdated documentation and limited insight into application design reduces business value**
- **Complex and non-standard code creates development bottlenecks and Quality Assurance risks**
 - reduce development bottlenecks with consistently current insight (demystifies systems)
 - streamline addition of new functionality, processes, and products

Resource Allocation

Manage scarce resources and knowledge transfer to maximize returns for your organization

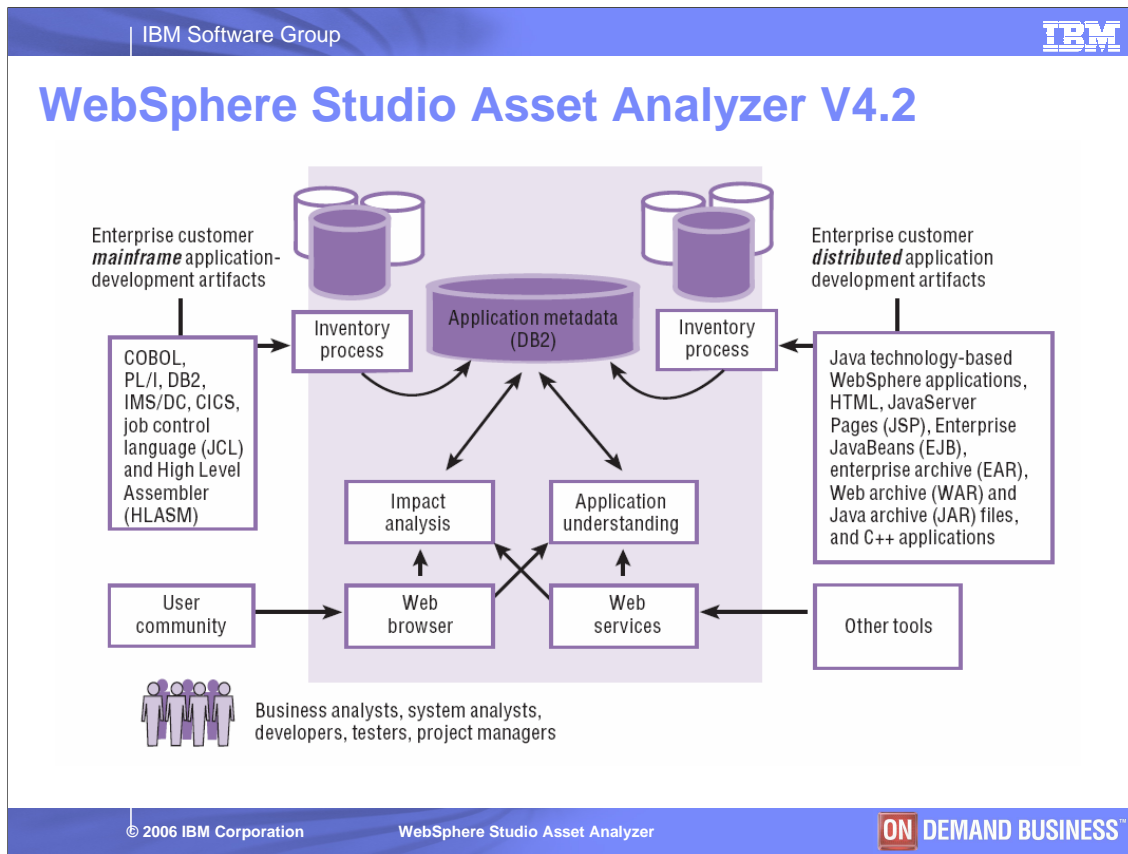
- **As staff retire or move on, valuable information is lost to the organization**
 - accurate, consistently current information about the targeted app
 - accelerates knowledge transfer and enables resource pooling
- **Lack of insight into systems causes resources to be allocated inefficiently**
 - resources can focus on most pressing issues

Maintenance and Enhancements

Accelerate the analysis and execution of common, time-consuming development tasks

- **Absence of application understanding can significantly slow maintenance and enhancement activities**
 - deep insight into the functioning of applications allows you to more rapidly make code changes
- **Inability to gauge the impact of code changes can risk damage to brittle, little-understood systems**
 - impact analysis can quickly gauge how modifications could affect even the most complex application

WebSphere Studio Asset Analyzer can be used to reduce cost and complexity, help with resource allocation, provide maintenance, and other enhancements. This presentation will introduce the WebSphere Studio Asset Analyzer and preview some of the demonstrations available.



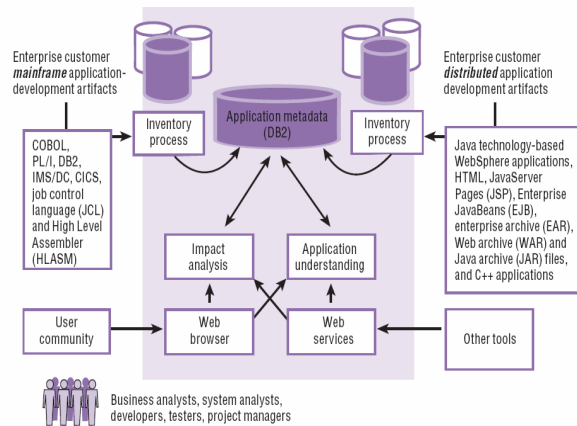
Many older applications lack documentation. If there is documentation, it is often out of date. Many people believe that these older applications do not meet the needs of today's business and can not be modernized to meet their requirements. They think that it is too hard to do, and that the applications use an old architecture and the "old way of doing business".

The search and analysis effort to identify reusable components for a service oriented architecture is time consuming. The only tools available are old notes, documentation, and ISPF. Libraries must be manually searched, compiled programs and listings examined to determine data movement. Quite often data items, source code, and so on can be missed.

IBM WebSphere Studio Asset Analyzer helps you overcome some of these hurdles by providing tools to quickly understand enterprise applications and determine the impact of proposed changes within and across applications in the enterprise – including composite applications that consist of traditional and Java™ 2 Enterprise Edition (J2EE) applications that run on different platforms, like System z®, Microsoft® Windows®, and IBM AIX® systems. WebSphere Studio Asset Analyzer's Web browser interface provides visualizations of application dependencies, logic and data flow, and the related source code itself for a variety of users.

Understanding an application demonstration

- Goal: **Understand an application with which a developer is unfamiliar**
- Use WebSphere Studio Asset Analyzer to:
 - EXPLORE program source, file, and database information
 - display graphic visualizations of program and data flows

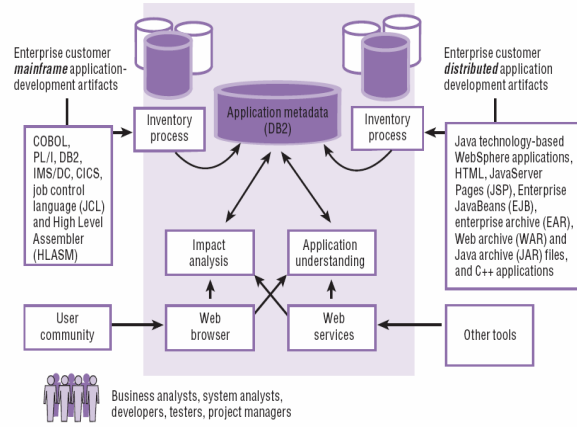


The goal of the “Understanding an application” demonstration is to gain an understanding of an application with which the developer is unfamiliar.

This is done by using WebSphere Studio Asset Analyzer to explore the program source, file and database information.

Changing attributes of a data element demonstration

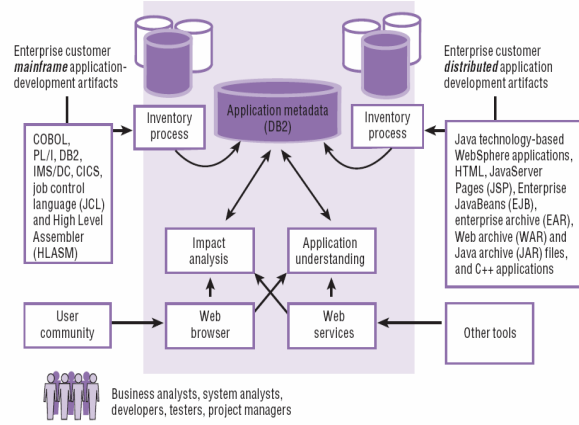
- Goal: **Expand the length of the Part-Number**
- The Project: Identify and change all programs, files, and databases as needed to expand the Part Number
- Use WebSphere Studio Asset Analyzer to:
 - run **IMPACT ANALYSIS** to identify the components affected by the change
 - scope the project
 - **EXPLORE** program source, file, and database information
 - view graphic visualizations of program and data flows



This demonstration will take a look at a typical change to a z/OS® data item. This is a common occurrence in the typical IT shop: a data item needs to be expanded. In the case of this demonstration, inventory is expanding and there is a need to increase the length of the part number field.

Exploring inventory demonstrations

- Goal: **Understand the basic concepts associated with exploring inventory in WebSphere Studio Asset Analyzer**
- Search MVS Assets
- Search Distributed Assets
- Annotate Assets



These demonstrations will help you to understand the search capabilities of WebSphere Studio Asset Analyzer, and the basic and advanced features.

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