



ASG-becubic™

for Application Portfolio Management
and Modernization

OPTIMIZE THE RETURN ON YOUR APPLICATION ASSETS

becubic

ASG[®]
Software Solutions

www.asg.com

ASG-becubic™ for Application Portfolio Management and Modernization

ASG-becubic™ provides the basis for optimizing the business value of your application portfolio. Through its advanced application discovery and understanding capabilities, it presents a comprehensive view that facilitates an end-to-end understanding of applications across the enterprise, from the mainframe to distributed technologies. ASG-becubic saves time and money by unlocking the potential of your application assets and facilitating effective Application Portfolio Management (APM).

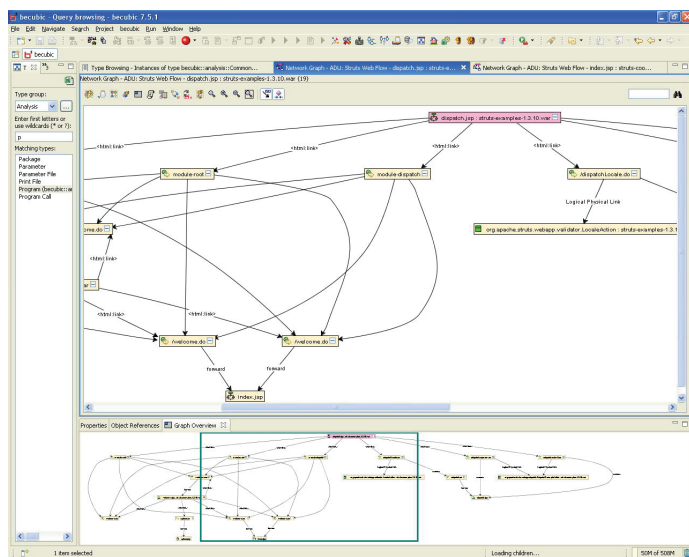
Providing Clarity to Complexity

The application portfolios of most organizations contain a wide variety of languages and environments. ASG-becubic provides a comprehensive view of applications, their composition, and their relationships, regardless of the technologies on which they are built. You can easily analyze your application portfolio—assessing large and complex enterprise applications, determining areas of interest, and drilling down to the necessary level of detail. ASG’s membership in the Microsoft Visual Studio Industry Partner program expands the unequaled breadth and depth of technologies supported by ASG-becubic. It provides simplicity through integration, and enhanced graphic capabilities give you a more intuitive understanding of applications.

Competitive and economic pressures are driving an upsurge of interest in application modernization as a means for extracting greater business value from existing enterprise applications. ASG-becubic helps you to effectively meet the challenge of legacy modernization. It provides insight for determining the best ways to reduce maintenance costs, identify application integration points, assess opportunities for code reuse, and address external regulatory requirements and internal control compliance.

Application Understanding Generates Savings

IT organizations spend a significant portion of their budget on application maintenance. According to the IEEE, 50% of the typical maintenance effort involves analyzing the code to understand where changes and fixes need to be applied. Industry analysts affirm that organizations experience an average of 20% improvement in productivity, when they implement an APM tool with an application knowledge repository. These results have been proven in real world case studies and customer experiences with a wide variety of development and QA teams. This understanding facilitates significant efficiencies and substantial savings to organizations.



Struts Webflow layout diagram

Features

- ✦ Provides a comprehensive view of applications assets, their composition, and their relationships, regardless of the technologies on which they are built.
- ✦ Helps you better understand where to invest time and money to align your application portfolio with your business objectives.
- ✦ Facilitates application modernization projects.
- ✦ Accelerates development activities and improves programmer productivity.
- ✦ Is a key enabler and trusted data source for ASG’s metaCmdb™/CMS based solutions.
- ✦ Enhances IT governance through measurement, control, and end-to-end visibility.
- ✦ Provides key program and application metrics.
- ✦ Provides the foundation to our ASG-BSP Application Portfolio Analysis™ solution.
- ✦ Helps identify assets participating in SOA initiatives.

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Analyzing the Application Portfolio

Aligning the application portfolio with the requirements of the business is one of the greatest challenges that IT organizations face. The majority of applications in large organizations are customized applications that are critical to the business and highly complex. They were developed in a wide range of programming languages and access data from a variety of different sources. As application portfolios grew in size and complexity, knowledge of the systems decreased and the applications became too inflexible. As a result, many organizations have a patchy knowledge of their assets, and the application portfolio lacks the agility to respond to the demands of the business. Therefore, it is very difficult for management to make effective decisions regarding which applications should be retired and which applications should be modernized to adapt to the needs of the business without disrupting other systems.

Development organizations have endeavored to leverage their existing assets and integrate them into an evolving application architecture framework. Composite applications have evolved that are often a mix of disparate technologies stitched together and running on a wide range of platforms. The knowledge base provided by ASG-becubic delivers insight and ultimately the best means of addressing a range of business issues, thereby streamlining the decision-making process. It creates and updates the necessary knowledge base for effective application modernization and APM.

ASG-becubic provides the guidance towards assessing risks and costs and identifying opportunities for executing higher-value initiatives. The table below summarizes some of the business issues that can be effectively addressed by deploying ASG-becubic.

Industrial Strength Depth and Breadth

This powerful solution delivers easy-to-use cross references, impact analysis, and graphical results backed by a state-of-the-art Web and rich-client interface. It provides business and technical users with multiple views and varying levels of detail suitable for their role. Management can make effective decisions about the portfolio while technical users can zoom-in on the information they need.

ASG-becubic is the most effective and comprehensive tool for understanding custom applications available, because it supports the broadest range of technologies. It recognizes numerous application components, including programming languages, script languages, control languages, monitors, screen generators, middleware, database management systems, and schedulers. It has extensive support of technologies from leading vendors, such as Microsoft, IBM, Oracle, and CA. It also has the finest-grained parsing technology currently available on the market. ASG-becubic inventories, references, and documents all business, technical, functional, and data elements. The application assets in the knowledge base are kept up to date through high performance source code collectors interfacing with an organization's Source Code Management (SCM) tools.

Business Issue	The Benefits of Using ASG-becubic
Alignment of the Application Portfolio With Business Objectives	Provides comprehensive and current application understanding to identify opportunities and direct the resources required to facilitate the alignment of business objectives with the application portfolio.
Application Modernization	Assesses an application's suitability for extension, transformation, and reuse.
Maintenance Costs	Rapidly measures application complexity and identifies opportunities to remove large areas of code. Assesses the impact of retiring an obsolete application.
Operational Risks	Identifies problems in the code base, reducing operational risk at runtime and minimizing the downtime for an application. Provides a systematic approach to assess the impact of changes to control risks.
Service Quality	Significantly improves root cause analysis, and impact analysis, resolving defects and facilitating change management.
Outsourcing and Off-shoring Activities	Provides a thorough understanding of the applications that should transition to the outsourcer and those that are best retained in-house. Supplies detailed documentation throughout project engagements.
Internal Governance	Helps an architect find governance impacts, analyze the affects of change, establish verification, and audit the processes.
Regulatory Compliance	Facilitates the internal controls to be implemented and the verification of change impact mandated by government regulations like SOX and HIPA , and industry standards such as Basel II.

Business issues addressed by ASG-becubic

ASG-becubic™ for Application Portfolio Management and Modernization

Expanding the Benefits of ASG-becubic

The addition of ASG's metaManager™ technology enables customers to leverage their existing becubic investments for quicker insights into their portfolio. The result is delivered through our ASG-BSP Application Portfolio Analysis™ solution, it provides easy to understand dashboards to decision makers and architects alike about the relative health of assets in their portfolios thereby streamlining decision making about the portfolio.

The drive to better manage and organize IT assets leads organizations to look at best practices for IT service management. ITIL® is the most comprehensive set of IT best practices and is used as the foundation for managing IT business services. The deployment of a Configuration

Management Data Base (CMDB) as part of a Configuration Management System is the next logical step in supporting ITIL best practices. ASG-becubic can serve as a key enabler and trusted data provider to CMDB solutions. It provides the configuration items to populate ASG' metaCMDB™ repository, thus enabling compelling solutions based on the application artifacts collected by ASG-becubic™.

Languages, Databases, Schedulers and SCM Supported

Mainframe

APS
Assembler z/OS
BMS z/OS
CA-ADS/O
CA-Easytrieve® z/OS
CAFC z/OS
CA-IDEAL
CA-IDMS/DC
CA-Telon® z/OS
CICS® z/OS
COBOL Micro Focus
COBOL z/OS
DELINK
FORTRAN
IMS/DC
JCL z/OS
Menu Support
MFS z/OS
NATURAL z/OS
Mantis z/OS
ObjectStar
PL/1
SAS Base z/OS
SMF z/OS
z/OS Catalog
REXX z/O

Microsoft

ASP
ASP.Net
C#
C/C++
Visual Basic
Visual Basic.Net

Distributed

CORBA® IDL
Dynamic SQL
Hibernate
Java™
JSP
J2EE packaging
Spring Beans
Struts/Tiles
Unix Shell Script (bash)
Web Services (WSDL)
XML

iSeries/AS 400

AS/400 Catalog
AS/400 Command Language (CL)
AS/400 RPG
AS/400 COBOL
UDB Schema for AS/400
UDB Stored Procedure for AS/400

Databases

Adabas
CA-DATACOM
CA-IDMS/DB
DB2 Schema z/OS
DB2 Stored Procedures z/OS
DB2 UDB Schema
DB2 UDB Stored Procedures
IMS/DB (DL/1)
Model 204
Oracle® Schema
Oracle® Stored Procedures (PL/SQL)
Pro*C
QMF z/OS
SPITAB z/OS
SQL Server Schema
SQL Server Stored Procedures
Teradata z/OS

Schedulers

ASG-Cortex Plan
ASG-Zeke™
CA-Jobtrac z/OS
CA-Scheduler® z/OS
CA-7® z/OS
CA – TNG Unicenter
Workload Distributed
CONTROL-M® z/OS

ESP z/OS
HS5000/APM z/OS
OPC - TWS z/OS
TWS Distributed

Source Code Management Systems

ASG-LCM™
CA-Endevor®
CA-Librarian®
CA-Panvalet®
Serena-ChangeMan®Microsoft®
Visual Source Safe (VSS)
Microsoft® Team Foundation Server (TFS)
CVS
Rational ClearCase®
Serena® Dimensions® CM
Subversion® SVN
Borland® StarTeam®

Middleware

MQSeries