



ENHANCING GOVERNANCE AND IMPACT ANALYSIS

With Application Discovery and Understanding



OVERVIEW

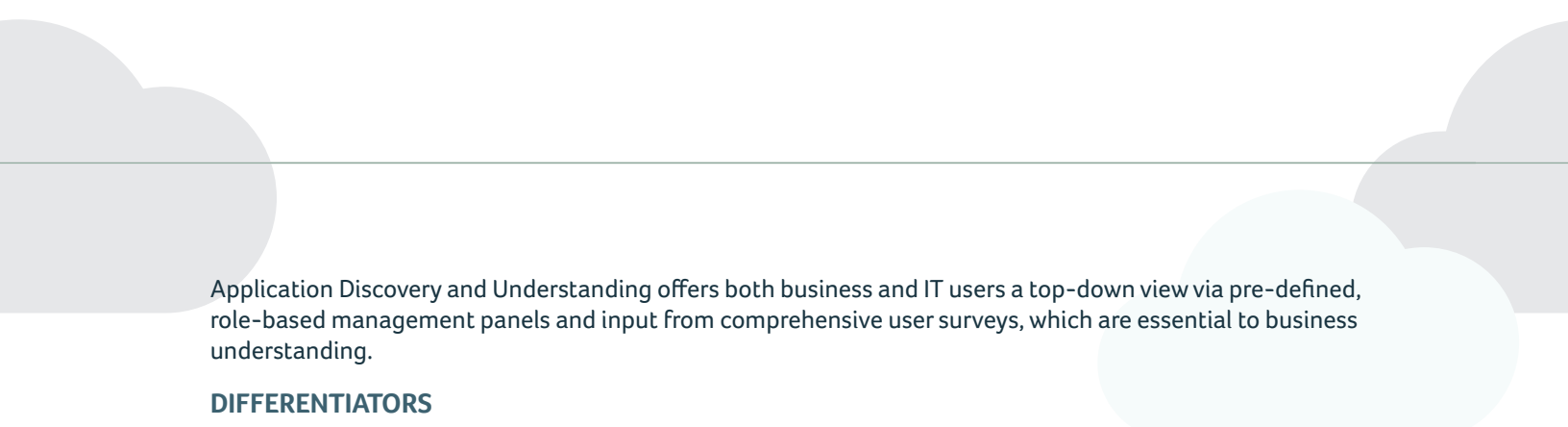
Managing a portfolio of applications is challenging. The vast majority of organizations lack adequate understanding of the content, status, and usage of applications within their infrastructure. As their application portfolios grow in size and age, so does their complexity. Over time there may be attrition of experience due to staff retirement or relocation. As a result, organizations often have more limited resources and limited knowledge of their assets, and the applications begin to lack the ability to meet the demands of the business. Application Portfolio Management (APM) provides key information about the IT enterprise applications that enables a smarter approach in assessing the alignment of application resources, and showing progress toward achieving alignment with architectural or business initiatives.

The ASG Enterprise Data Intelligence Solution's Application Discovery and Understanding feature is specifically designed to address the complex issues associated with custom applications. It identifies the primary composition and structure of core applications, their complexity, code redundancies, and duplications. It identifies problems in the code base, reducing operational risk at runtime and minimizing the downtime for an application. Application Discovery and Understanding also provides a systematic approach to assess the impact of changes to control risks.

Application Discovery and Understanding recognizes numerous application components, including programming languages, script languages, control languages, monitors, screen generators, middleware, database management systems, and schedulers. It provides a holistic business perspective and a technical viewpoint into an application portfolio. 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.

From a business perspective, Application Discovery and Understanding can assist with a number of business issues across the entire enterprise: application integration and outsourcing, external regulatory requirements, internal control compliance, and application modernization. It provides knowledge and understanding for more effective management decision-making within the application's lifecycle.







Application Discovery and Understanding offers both business and IT users a top-down view via pre-defined, role-based management panels and input from comprehensive user surveys, which are essential to business understanding.

DIFFERENTIATORS

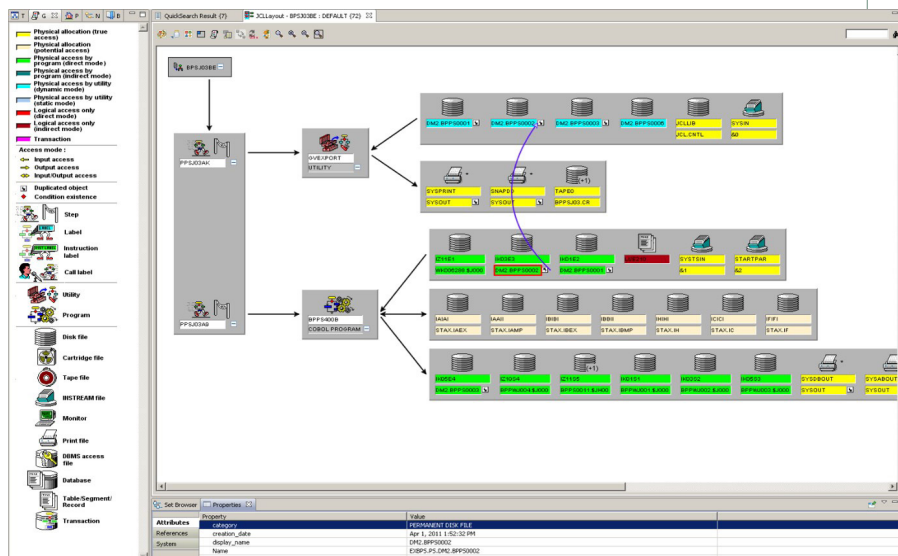
- Supports Internal Governance - Enhances IT governance through measurement, control, and end-to-end visibility of all applications in the portfolio
- Provides Impact Analysis - Helps determine the impact of change and how it affects the business
- Reduces Application Complexity - Inventories, references, and documents all business, technical, functional, and data elements at a finer level
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- Manages Application Quality - Provides over 200 out of the box application quality rules and metrics that relate to applications compliance
- Recognizes more than 100 Technologies- Impressive breadth of technologies from the domains of mainframe and distributed architectures

BENEFITS

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- 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.
 - Assesses an application's suitability for extension, transformation, and reuse.
 - Rapidly measures application complexity and identifies opportunities to remove large areas of code. Assesses the impact of retiring an obsolete application.
 - 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.
 - Significantly improves root cause analysis, and impact analysis, resolving defects and facilitating change management.
 - 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.
 - Helps an architect find governance impacts, analyze the effects of change, establish verification, and audit the processes.
 - Facilitates the internal controls to be implemented and the verification of change impact mandated by government regulations like SOX and HIPAA, and industry standards such as Basel II.

FEATURES

- Provides role-based dashboards with survey capabilities for managers to evaluate their application and understand application interconnectivity
- Top-down analysis collects high-level information for each application, allowing for high-level assessment of an application's business value based on costs and risks associated
- Bottom-up analysis provides reporting capabilities and survey data for specific business processes
- Application scoring surveys allow end users to provide feedback on application performance, and business users can provide metric-based viewpoints on the business value of the application
- Identifies the primary composition and structure of core applications, their complexity, code redundancies, and duplications
- Identifies problems in the code base, reducing operational risk at runtime, minimizing the downtime for an application
- Provides a systematic approach to assess the impact of changes to control risks
- Offers a GUI client based on the Eclipse Framework, and a browser-based Web client, ensuring standard and easy integration with other tools



The Application Discovery and Understanding JCL graph displays job steps, associated executables and File/DB resources. The graph legend and selected Disk File Object Properties are also shown.

The role-based management panels and visual reporting features will transform reporting capabilities and activities into valuable and essential analysis and surveys, which are critical to IT and the business.

BUSINESS ANALYST VIEW

- Collect the business scoring/rating for the application portfolio as perceived by business users and end users
- Create surveys to assess alignment of applications with business and organizational strategic goals
- Ultimately reconcile the business value of applications with technical metrics for use by decision makers and executives (Director role)
- View and map the hierarchical responsibilities in the organization and their corresponding ownership of applications and application portfolios

PROJECT MANAGER VIEW

- Quick overview of technology breakdown (with pie charts) for the applications
- Out of the box, synthetic assessment of key quality metrics (Cyclomatic Complexity and Maintainability Index) for applications
- Able to drill-down to the finer details of applications, for technical analysis and resolution of problems

DIRECTOR VIEW

- Facilitate decision making about the application portfolio through decision panels
- Leverage technical metrics with business oriented surveys to answer questions like:
 - Is this application meeting business expectations as expressed by users?
 - Should this application be invested in and modernized?
 - Should this application be retired?
 - Should this application's logic be improved?

COLLECTORS AND PROVIDERS (Z/OS, ISERIES)

Application Discovery and Understanding provides over 125 interfaces spanning multiple languages, databases, schedulers, and interfaces for multiple software configuration management systems.

COLLECTORS

- APS
- Assembler z/OS
- BMS z/OS
- CA-ADS/O
- CA-Easytrieve® z/OS
- CA-Fast Unload for DB2 z/OS
- CA-IDEAL
- CA-IDMS/DC
- CA-Telon® z/OS
- CICS® z/OS
- CICSplex® SM
- CICS Application File Control (CAFC)
- COBOL z/OS
- DELINK
- FORTRAN
- IMS/DC
- JCL z/OS
- MANTIS® z/OS
- Menu Support
- MFS z/OS
- MQ Series®
- NATURAL z/OS
- ObjectStar
- PL/1
- REXX z/OS
- SAS Base z/OS
- SMF z/OS
- SMP/E z/OS
- z/OS Catalog

SCM FOR Z/OS

- ASG-LCM™
- CA-Endevor®
- CA-Librarian®
- CA-Panvalet®
- IBM SCLM z/OS
- Serena ChangeMan®

DATABASES Z/OS

- ADABAS
- CA-DATACOM
- CA-IDMS/DB
- DB2 Schema z/OS
- DB2 Stored Proc z/OS
- IMS/DB (DL/1)
- Model 204
- QMF z/OS
- SPITAB z/OS
- Teradata z/OS
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SCHEDULERS Z/OS

- ASG-Zeke™
- ASG-Zena™
- ASG -Cortex
- CA-Jobtrac z/OS
- CA-Scheduler® z/OS
- CA-7® z/OS
- CONTROL-M® z/OS
- ESP z/OS
- HS5000/APM z/OS
- OPC – TWS z/OS

ISERIES

- AS/400 Catalog
- AS/400 COBOL
- AS/400 Command Language (CL)
- AS/400 RPG
- AS/400 DB2 UDB Schema
- AS/400 DB2 UDB Stored Proc
- AS/400 Library File System

COLLECTORS AND PROVIDERS (DISTRIBUTED)

DISTRIBUTED TECHNOLOGIES

- ABAP
- Cobol Microfocus
- CORBA® IDL
- Dynamic SQL
- Hibernate
- HP Vugen
- iBATIS (MyBATIS)
- Java™
- JAXB
- JAX-WS
- JDO
- JSP
- J2EE Packaging
- MQ Series®
- PHP
- SAP Dictionary
- Spring Beans
- Struts/Tiles
- Unix Shell Script
- Web Services (WSDL)
- XML
- XML Schema (XSD)
- XSLT

DATAWAREHOUSE TOOLS

- DataStage
- SQL Server Integration Services (SSIS)

MICROSOFT AND .NET TECHNOLOGIES

- Access Schema
- ADO.Net Entity Framework
- ASP
- ASP.NET
- BizTalk/Messaging
- BizTalk/Orchestration
- C#
- C/C++
- LINQ.Net
- MS-DOS Shell
- NHibernate
- Pro*C
- SQL Server Schema
- SQL Server SQL Script
- SQL Server Stored Proc
- Visual Basic
- Visual Basic.NET
- Windows Catalog
- Windows Communication Foundation (WCF)

SCHEDULERS DISTRIBUTED

- ASG-Zena™
- CA-Autosys (Workload Automation AE)
- CA-Unicenter TNG Workload®
- CONTROL-M® Distributed
- Cron
- ITWS Distributed

SCM FOR DISTRIBUTED

- Borland® StarTeam®
- CA-SCM
- CVS
- Rational® ClearCase®
- CRational® Team Concert (RTC)
- SAP
- Serena® Dimensions® CM
- Subversion® SVN
- Team Foundation Version Control (TFS)
- Visual Source Safe® (VSS)

DATABASES DISTRIBUTED

- DB2 UDB Schema Distributed
- DB2 UDB SQL Script
- DB2 UDB Stored Proc Distributed
- Informix Schema
- JDBC/ODBC Schema
- MySQL Schema
- Oracle® Schema
- Oracle® SQL Script
- Oracle® Stored Proc
- (PL/SQL)
- Sybase Schema
- Sybase Stored Proc
- Teradata Schema
- Teradata SQL Script
- Teradata Stored Proc (SPL)



ASG Technologies brings peace of mind to every enterprise with information access, management and control for our customers. These solutions empower businesses to enhance workforce productivity, gain an accurate and timely understanding of the information that underpins business decisions and address compliance needs with improved visibility of cross-platform data from legacy to leading edge environments. More than 70 percent of global Fortune 500 companies trust ASG to optimize their IT investments. ASG is a global provider of technology solutions with more than 1,000 people supporting more than 4,000 midmarket and enterprise customers around the world. For more information, visit www.asg.com.

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