Product Catalog

Publication Date: May 15, 2002

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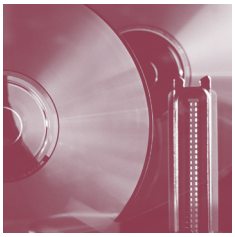

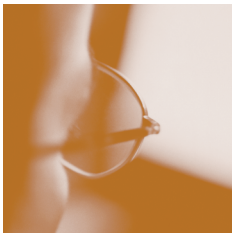

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Your premier source for understanding, managing, and extending existing systems

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Arthur L. Allen
ASG President & CEO

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Dear IT Executive:

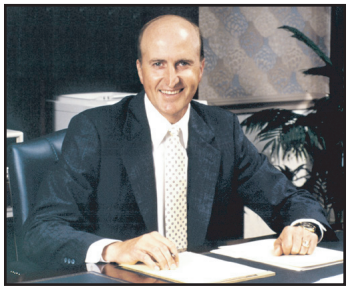
We at ASG are proud to offer you our product catalog. In this catalog you will find a complete description of our comprehensive product suites as well as our individual products.

ASG offers a unique and innovative way for you to gain access to complete ASG product suites that are appropriate to your business environment — at the lowest possible cost. As an alternative, of course, you can select only the individual product or products that best meet your immediate business needs.

We are committed to providing you with predictability, flexibility, and control of your software budget. We will do business with you in ways that minimize transaction costs and maximize value. Our product is your success.

Thank you for your interest in ASG.

Arthur L. Allen
ASG President & CEO



Arthur L. Allen, ASG President & CEO

ASG
Software Solutions

The PSL provides access to all current and future ASG-owned technologies for one, three, or five years. With an initial access fee that sets the industry standard for delivering declining unit costs (in MIPS) as capacity grows, and annual license usage fees for individual products based upon the defined sub-capacity of the CPU on which the product is licensed, the PSL delivers unmatched value.

The PSL is one simple contract for approximately 100 software solutions including:

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¥ This product contains third-party components that are excluded from the PSL offering. Ask your ASG representative for details.

The VSE PSL provides access to all current and future ASG-owned VSE-centric technologies for one, three, or five years. The agreement also includes any VSE-based products acquired or developed by ASG during the license term. With an initial access fee that sets the industry standard for delivering declining unit costs (in MIPS) as capacity grows, and annual license usage fees for individual products based upon the sub-capacity of the CPU on which the product is licensed, the VSE PSL delivers unmatched value.

The VSE PSL is one simple contract for the following ASG software solutions:

ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes . 38

ASG-Cortex-MS™ for converting VSE/ESA to z/OS or OS/390®. 59

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ASG Software Solutions

¥ This product contains third-party components that are excluded from the PSL offering. Ask your ASG representative for details.

The DPL provides access to current and future ASG distributed-environment applications for a period of three or five years. The initial access fee is based on total (not concurrent) users who have access to the applications. Additional users may be added.

The DPL is one simple contract for the following ASG software solutions:

ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes .38

ASG-IMPACT® for complete IT service management . .22

ASG-IMPACT Web™ for Net-native IT service management 35

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ASG-NaviPlex™ for complete monitoring of ASG-TMON™ 46

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ASG-Safari™/4GL for creating and executing complex reports and data management tasks 40

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ASG-WebDocumentz™ for Web-based knowledge management 42

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ASG Software Solutions

¥ This product contains third-party components that are excluded from the PSL offering. Ask your ASG representative for details.

The Information Management suite of products enables your organization to exchange data across various platforms and databases that exist inside and outside of your domain. Information management applications connect existing internal and external information systems to create a more efficient, unified operation throughout the enterprise. Our Information Management Suite allows you to extend your enterprise applications to the Web while reducing your total cost of ownership and increasing competitiveness through IT resources. The initial access fee is based on total (not concurrent) users who have access to the applications. Additional users may be added.

The Information Management Suite is one simple contract for the following ASG software solutions:

ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes .38

ASG-Safari InfoTools™ for business analytics and data management 40

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ASG
Software Solutions

Bundled Professional Services Offering (BPSO)

Consistent with ASG's commitment to provide the most innovative and comprehensive business solutions to your company, ASG is pleased to present the new ASG Bundled Professional Service Offering (BPSO). The BPSO provides your company with a broad range of professional services to assist with the training and implementation of all ASG products. The BPSO ensures that the maximum value and benefit of your company's software investment is realized by providing the intelligence and training necessary to utilize the products to their full potential.

ASG's BPSO provides:

- Flexibility to select multiple professional services for any ASG product
- Freedom to use allotted service days at any time
- Cost savings with advance purchase of professional services in allotments of 30 or 60 days
- Consistent, pre-determined cost to establish an accurate budget
- Savings of $15,000 or more

"ASG offers a comprehensive suite of application, operations, performance, information, and technology infrastructue management solutions to deliver the high-octane performance necessary to meet the critical business needs of our clients."

Arthur L. Allen
ASG President & CEO

ASG
Software Solutions

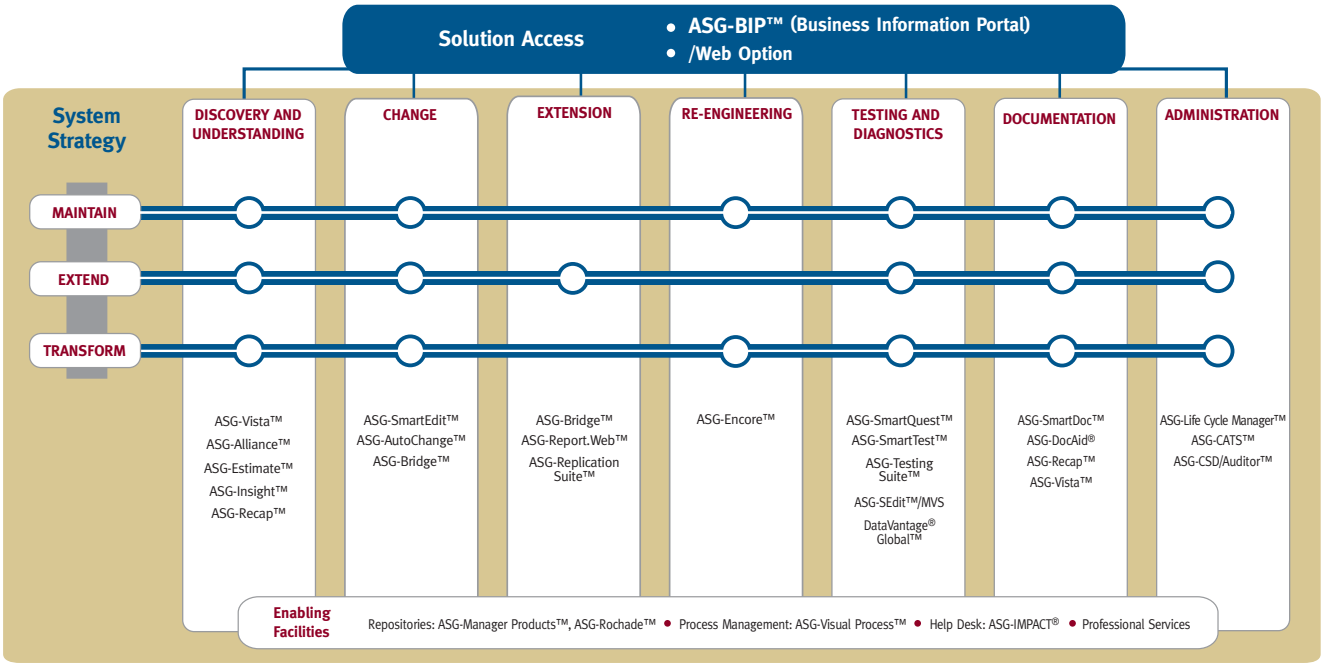
As your IT developers responsible for traditional applications continue to encounter emerging technologies, you may be faced with an IT generation gap. ASG applications management solutions ensure your success in bridging the technology gap by providing the foundation necessary to resolve growing enterprise challenges. Applications management solutions enable you to assess and analyze your existing systems and integrate new application architectures, enhancing your ability to manage business-critical applications.

While ASG's applications management solutions have a variety of uses in new development environments, a focus remains on evolving your existing systems.

A set of disciplines — Discovery and Understanding, Change, Extension, Re-Engineering, Testing and Diagnostics, Documentation, and Administration — support all of the three evolution strategies, and ASG enabling facilities support each discipline. The "blueprint" below depicts the strategic deployment of ASG applications management solutions and shows three basic applications management evolution strategies:

- Maintain: make corrective and preventive changes, and deliver minor enhancements to ensure that an application remains current in the environment for which it was originally created
- Extend: add significant functionality and interface existing logic and data to new environments
- Transform: extract the value from applications, and re-build and redeliver them in the current or new environments

ASG Applications Management Blueprint



The applications management blueprint shows the primary application evolution strategies deployed by enterprises and the ASG solutions implementing the disciplines required to ensure successful and timely delivery of new and improved applications.

ASG Software Solutions

Access to Applications Management Solutions

As with all the ASG solution areas, access to applications management solutions can be achieved by using the ASG portal offering, ASG-BIP™. Additionally, as part of ASG's /Web initiative, many applications solutions are provided with a Web user interface.

For details on ASG-BIP, see page 38.

ASG-Existing Systems Workbench™ (ESW®) for Applications Maintenance and Transition

Many of the application management disciplines are supported by elements of ASG-ESW, which is available as individual components or as an integrated product suite providing a lifecycle solution for managing your existing systems. ESW uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), giving you access to a wealth of information about your applications. Products within the ESW suite leverage the potential power of information stored in the AKR.

The ESW suite is comprised of the following products:

- ASG-Alliance™ for applications discovery and impact analysis
- ASG-AutoChange™ for assisted mass change of COBOL applications
- ASG-Bridge™ for real-time data bridging
- ASG-Encore™ for evolving COBOL applications
- ASG-Estimate™ for managing application maintenance projects
- ASG-Insight™ for understanding COBOL applications
- ASG-Recap™ for quality measurement
- ASG-SmartEdit™ for COBOL-intelligent editing
- ASG-SmartDoc™ for documenting COBOL programs
- ASG-SmartTest™ for interactive testing and debugging

Other ASG Products that Work with ASG-Existing Systems Workbench™ (ESW®)

- ASG-SmartQuest™ for trapping and analyzing application abends
- ASG-Outbound Enterprise™ for open-platform file transfers
- ASG-SEdit™ for file management

Discovery and Understanding

Discovery and Understanding provides an accurate inventory of application components, an understanding of application quality, assistance in sizing application evolution projects, and a detailed knowledge of the programs to be modified.

ASG-Vista™ for Analyzing and Documenting Applications

ASG-Vista crosses the operations management and applications development spectrum of IT. Vista's unique, easy-to-navigate GUI allows your IT staff to view everything from a complete job overview to code-level detail without having to manually correlate data from incomplete sources. Using a state-of-the-art client/server architecture with a single relational database, Vista analyzes IS programs, files, jobs, transactions, and databases to provide instant access to these details from the desktop. Programmers and analysts view, query, explore, analyze, and identify unused resources within the system in a matter of minutes. Graphical impact analysis allows the rapid and simple understanding of the scope of proposed application changes.

Other ASG Products that Work with ASG-Vista™

- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Workload Planner™ for job planning during mainframe scheduling
- ASG-Outbound Suite™ for transferring data across various platforms

- ASG-Cortex-MS™ for converting VSE/ESA to z/OS or OS/390®
- ASG-Workload Analyzer™ for precise job analysis
- ASG-Zeke™ for enterprise event scheduling
- ASG-LifeCycle Manager™ (LCM™) for accurate change control

ASG-Alliance™ for Applications Discovery and Impact Analysis

ASG-Alliance is the application-understanding component of ASG-Existing Systems Workbench™ (ESW®). Alliance maps the relationship between application elements and provides detailed impact analysis. It helps your organization increase its understanding of applications and define project plans for mainframe applications.

Other ASG Products that Work with ASG-Alliance™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transferring data across various platforms

ASG-Estimate™ for Managing Application Maintenance Projects

ASG-Estimate is the project definition and estimation application of ASG-Existing Systems Workbench™ (ESW®). Estimate defines mainframe application projects and uses information about application quality and available development resources to assist in estimating the timeframe and cost of application development projects.

Other ASG Products that Work with ASG-Estimate™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transferring data across various platforms

ASG-Insight™ for Understanding COBOL Programs

ASG-Insight is the COBOL-understanding component of ASG-Existing Systems Workbench™ (ESW®). Insight provides the tools for navigating and deciphering COBOL programs. Insight enhances the understanding of COBOL program flow and data usage for more intelligent application maintenance.

Other ASG Products that Work with ASG-Insight™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transferring data across various platforms

ASG-Recap™ for Quality Measurement

ASG-Recap is the quality-measuring component of ASG-Existing Systems Workbench™ (ESW®). It collects information about program size (including function points) and quality, and provides your IS professionals with an automated tool for conducting a portfolio analysis of every application in your environment. Recap presents measurement data in a format that dramatically improves your organization's decision support process, and it enables you to align business and technical goals.

Other ASG Products that Work with ASG-Recap™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transferring data across various platforms

Change

Change involves making alterations to individual programs or groups of programs.

ASG-SmartEdit™ for COBOL-Intelligent Editing

ASG-SmartEdit is the COBOL-intelligent editor for ASG-Existing Systems Workbench™ (ESW®).

ASG Software Solutions

SmartEdit provides COBOL program intelligence to the ISPF editor, facilitating any changes to COBOL programs. SmartEdit increases your organization's comprehension of COBOL programs, enabling staff to quickly make changes and return programs to production faster.

Other ASG Products that Work with ASG-SmartEdit™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transferring data across various platforms

ASG-AutoChange™ for Assisted Mass Change of COBOL Applications

ASG-AutoChange is the COBOL automated mass-change component of ASG-Existing Systems Workbench™ (ESW®). AutoChange uses application information added to the Application Knowledge Repository™ (AKR™) by ASG-Alliance™. AutoChange also uses ASG-Estimate™ to define an impact list, and it employs ASG-Insight™ and ASG-SmartEdit™ to automate code change strategies.

Other ASG Products that Work with ASG-AutoChange™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transferring data across various platforms

ASG-Bridge™ for Real-Time Data Bridging

ASG-Bridge is the real-time, data-bridging component of ASG-Existing Systems Workbench™ (ESW®). Bridge supports database conversion projects and has proprietary facilities for intercepting file and database access in order to supply dynamically translated data to your application programs. Bridge's high-performance, data conversion routines feed applications with data in a converted or pre-converted state.

Other ASG Products that Work with ASG-Bridge™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition

Extension

Extension involves interfacing existing data and logic to new applications and environments.

ASG-Report.Web™ for Enterprise Legacy/ERP Report Publishing

ASG-Report.Web provides secure, efficient, and cost-effective report distribution by Web-enabling host-generated reports to be viewed on corporate intranets or extranets. Report.Web supplies your administrators with a powerful server engine to publish and manage company reports — daily, weekly, or any time. End-users are able to view their reports through a robust, fully functional Web viewer, and receive their reports extracted into familiar spreadsheet formats. Engineered specifically for the Web, Report.Web offers a complete alternative to the high costs and time constraints associated with printing.

Other ASG Products that Work with ASG-Report.Web™

- ASG-Outbound Express™ for mainframe-centric file transfers
- ASG-Outbound Enterprise™ for open-platform file transfers
- ASG-Safari™ for business analytics and data management
- ASG-WebDocumentz™ for Web-based knowledge management
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Sync™ for managing data batches

ASG-Replication Suite™ for CA-IDMS® Data Distribution

ASG-Replication Suite makes virtually any relational database a "home away from home" for mainframe CA-IDMS data. Whether the move is temporary or permanent, Replication Suite permits IDMS data to be replicated from a legacy database and distributed a wide variety of

relational databases, third-party tools, and file formats, regardless of the platform or location. Replication Suite enables data to be distributed selectively from IDMS for use by Web-enabled, client/server, desktop, mobile, or mainframe applications via a comprehensive set of tools. Replication Suite is the premier single-vendor solution for fast, automated, reliable data replication.

Replication Suite:

- Maps the IDMS network environment to a fully functional relational environment
- Offers command-based, real-time replication for reduced latency
- Performs journal-based batch replication for increased flexibility
- Organizes and reformats journal records for batch replication
- Optimizes ANSI SQL command streams

Other ASG Products that Work with ASG-Replication Suite™

- ASG-Virtual DB™ for creating virtual copies of CA-IDMS® databases
- ASG-Outbound Suite™ for multi-platform and mainframe scheduled file transfers
- ASG-Fast Access® for faster CA-IDMS® read, load, and update

Re-Engineering

Re-engineering provides for the deconstruction and reconstruction of applications for improved maintainability and reusability in new applications and environments.

ASG-Encore™ for Evolving COBOL Applications

ASG-Encore is the COBOL re-engineering component of ASG-Existing Systems Workbench™ (ESW®). Encore uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), so that code segments can be extracted based on business logic, user interface, and database access. From these code segments, Encore creates reusable COBOL components. With this application, your company can leverage its mainframe applications and prepare for e-business.

Other ASG Products that Work with ASG-Encore™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Outbound Suite™ for transfering reports from ESW® components

Testing and Diagnostics

Testing and Diagnostics verifies program accuracy and provides for the rapid resolution of problems when unanticipated circumstances cause program failure.

ASG-SmartQuest™ for Trapping and Analyzing Application Abends

ASG-SmartQuest™ is a companion to ASG-Existing Systems Workbench™ (ESW®). SmartQuest is an interactive fault analyzer with built-in source language support for COBOL, PL/I, and Assembler. With SmartQuest, your staff has the tools to intercept and capture application information about abends. Navigating application dumps is easy with SmartQuest's user-friendly point-and-shoot interface. The following SmartQuest options are available:

- ASG-SmartQuest™/MVS
- ASG-SmartQuest™/CICS®

Other ASG Products that Work with ASG-SmartQuest™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-IMPACT® for complete IT service management

ASG-SmartTest™ for Interactive Testing and Debugging

ASG-SmartTest is the interactive tester and debugger for ASG-Existing Systems

Workbench™ (ESW®). SmartTest uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), providing source-level debugging for COBOL, Assembler, and PL/I application programs. With SmartTest, you quickly set up, execute, and log an application test session. SmartTest options are available for TSO, CICS®, IMS, DB2SP, PLI, ASM, APS, and TCA.

Other ASG Products that Work with ASG-SmartTest™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-SmartQuest™ for trapping and analyzing application abends

ASG-Testing Suite™ for CA-IDMS® Automated Verification

ASG-Testing Suite for CA-IDMS streamlines the time-consuming change verification process by automating the entire procedure, enabling your IS staff to concentrate on more vital IS tasks. ASG's Testing Suite provide easy IDMS journal access and advanced replication functionality while eliminating the costs associated with data corruption and system downtime.

Testing Suite is comprised of:

- ASG-Tracer® for understanding IDMS journal entries
- ASG-Assure™ for regression testing

ASG-SEdit™/MVS for MVS File Management

ASG-SEdit/MVS is a comprehensive file management tool. It helps your organization manage and manipulate almost any MVS (OS/390®) file, including VSAM files, partitioned data sets (PDSs), sequential files, and Innovation Access Method (IAM) files. With its interactive and full screen features, your applications programmers, systems programmers, and other MIS professionals will easily master SEdit/MVS, quickly paving the way for more efficient MVS file management.

Other ASG Products that Work with ASG-SEdit™/MVS

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-SmartQuest™ for trapping and analyzing application abends

DataVantage® Global™ for Data Management and Testing

DataVantage® Global™ is an innovative software solution that manages, edits, develops, and handles virtually every facet of your company's data testing across multiple platforms, databases, and file structures. DataVantage Global works with virtually any data — relational or non-relational — including DB2®, IMS, VSAM, UDB®, Oracle®, and Sybase®. DataVantage Global also operates across a variety of platforms such as OS/390®, UNIX®, and Windows®. DataVantage Global is the "single-tool" data management and testing solution that allows your company to increase productivity and make better-informed business decisions based on improved access to data.

Other ASG Products that Work with DataVantage® Global™

- ASG-SmartQuest™ for trapping and analyzing application abends
- ASG-SmartTest™ for interactive testing and debugging

Documentation

Documentation provides information that describes applications, their components, and the relationships between them, to ease future maintenance and development.

ASG-SmartDoc™ for Documenting COBOL Programs

ASG-SmartDoc is the COBOL documentation component of ASG-Existing Systems Workbench™ (ESW®). SmartDoc uses the Analytical Engine™ to populate the Application Knowledge Repository™ (AKR™), thereby providing documentation for COBOL programs. SmartDoc helps to quickly produce the documentation required for application maintenance and management processes.

Other ASG Products that Work with ASG-SmartDoc™

- ASG-Existing Systems Workbench™ (ESW®) for managing existing systems
- ASG-Outbound Suite™ for transfering data across various platforms

ASG-Doc-Aid® for Accurate, Comprehensive Job Documentation

ASG-Doc-Aid provides your organization with an automated solution for creating and maintaining job documentation. Doc-Aid runs under TSO/ISPF or native VTAM®. It gathers information directly from JCL and sets up screens so that the documentation correctly reflects your job and its components. Additionally, Doc-Aid produces finished documents in an organized, easy-to-read hard copy format and in an online version that offers powerful cross-referencing capabilities. It releases comprehensive job reports, offering information about the components and processing flow of your jobs. This tool reduces your organization's manual processing workload, thereby increasing the accuracy of its documentation.

Other ASG Products that Work with ASG-Doc-Aid®

- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Zeke Agents™ for extending the power of ASG-Zeke™ to the enterprise

ASG-Recap™ for Quality Measurement

ASG-Recap is the quality measurement component of ASG-Existing Systems Workbench™ (ESW®). It collects information about program size (including function points) and quality, and provides your IS professionals with an automated tool for conducting a portfolio analysis of every application in your environment. Recap presents measurement data in a format that dramatically improves your organization's decision support process, and enables you to align business and technical goals.

Other ASG Products that Work with ASG-Recap™

- ASG-Existing Systems Workbench™ (ESW®) for managing existing systems
- ASG-Outbound Suite™ for transfering data across various platforms

ASG Vista™ for and Documenting Applications

ASG-Vista crosses the operations management and applications development spectrum of IT. Vista's unique, easy-to-navigate graphical user interface allows your IT staff to view everything from a complete job overview to code-level detail without the challenge of trying having to manually correlate data from incomplete sources. Using a state-of-the-art client/server architecture with a single relational database, Vista analyzes IS programs, files, jobs, transactions, and databases to provide instant access to these details from the desktop. Programmers and analysts view, query, explore, analyze, and even identify unused resources within the system in a matter of minutes. Graphical impact analysis allows the rapid and simple understanding of the scope of proposed application changes.

For details on ASG-Vista, see page 14.

Administration

Administration controls the configuration of applications and their related components.

ASG-Life Cycle Manager™ (LCM™) for Accurate Change Control

ASG-Life Cycle Manager (LCM) is an easy-to-use, menu-driven software product that controls changes to software or documents and ensures only authorized changes are incorporated into sanctioned baselines, releases, or production environments. LCM brings order to the development process by helping to control the migration of changes throughout the software or document lifecycle. LCM provides functionality for the entire development span through OS/390® or MVS.

ASG
Software Solutions

Other ASG Products that Work with ASG-Life Cycle Manager™ (LCM™)

- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax

ASG-CATS™ for Table Change Management in CICS® and Transaction Server

ASG-CATS is a CICS table change management productivity tool designed for applications and systems programmers. With this tool, programmers perform changes with ease across all OS/390® and VSE platforms in the CICS environment. CATS reduces resource request time, provides a history of changes, eliminates assembly errors, and automates the handling of repetitive maintenance tasks. With its centralized, streamlined, and automated processes, CATS ensures greater productivity.

Other ASG Products that Work with ASG-CATS™

- ASG-CSD/Auditor™ for CSD maintenance
- ASG-CATS™/Web option provides Web access to this powerful CICS solution

ASG-CSD/Auditor™ for CSD Maintenance

ASG-CSD/Auditor, an analysis and maintenance tool for your CICS® systems programmers, automates many of the tasks associated with the analysis, reporting, and updating of CSD files. By providing vital information on the status of CSD files and facilities, this tool makes it possible to automate your file maintenance. As a mainframe- and Windows®-based product, CSD/Auditor generates more than 25 standard reports on CSDs and regions. CSD/Auditor determines the condition of CSD files, then allows you to produce batch jobs to rationalize them.

Other ASG Products that Work with ASG-CSD/Auditor™

- ASG-CATS™ for table change management in CICS® and Transaction Server

Enabling Facilities

ASG-Manager Products™ for High-Performance Enterprise Metadata Management

ASG-Manager Products is a family of technologies providing centralized management of the data that describes information assets in your organization, and the interrogation, display, and exploitation of that data. The Manager Products family provides out-of-the-box support for many metadata sources and predefined repository information models (RIMs) for software development and production organizations. These models can also be easily customized for your enterprise. The underlying repository provides a means for integrating, exchanging, and reusing metadata. It creates a foundation for information engineering across different tools and platforms. Additionally, it stores the master set of metadata to prevent lock-in of individual tools. As a result, models within and across project teams are high quality and consistent.

Manager Products use enterprise information to support the following:

- Applications and database development
- Enterprise application integration
- Database administration
- Data warehouse management
- Data modeling and design automation
- DDL generation
- Change management
- Documentation

The Manager Products' ASG-ManagerView™ facility provides workstation-based graphical information engineering. ManagerView is a direct window to the Manager Products repository, and allows you to display repository information in graphical terms. Because it is independent of any specific methodology, ManagerView can be customized to suit your company's unique requirements. Whether you are using ManagerView on

its own, or as a means of accessing your host repository, it provides your company with a simple and reliable working environment.

Browser-based access to the Manager Products repository is provided by ASG-Web Enabler™, which allows you to access and update the ASG-Manager Products repository at any time, from any Web browser. Through a single point of control and security, your staff can access and process centrally managed and controlled repository information through any PC connected to the Internet.

The Manager Products Server Facility (MPSF) provides an architecture that provides for extremely high-performance of the Manager Products family.

Other ASG Products that Work with ASG-Manager Products™

- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

ASG-Rochade™ for Distributed Enterprise Metadata Management

ASG-Rochade, the industry-leading metadata repository, provides a central point for collection, control, management, and reuse of information assets. Rochade enables effective management of metadata in a complex environment. Whether it is versioning, configuration management, or security at the most detailed level, Rochade provides support for your metadata management strategy.

Rochade is the foundation for solving a wide range of problems that occur at the boundaries between business and technology, and across technologies. It supports the reconciliation of business and design models, integration of different tools, and resolution of conflicts in data definitions.

It also ensures a common understanding of information in the enterprise. Rochade is the solution for knowledge management, data warehouse management, application development, enterprise application integration, or management of mergers and acquisitions.

Rochade provides metadata interfaces to common programming languages, databases, and development and data management technologies. Facilities are provided for the creation of custom metadata interfaces using the Rochade Procedure Language (RPL), and the Rochade Java™ API. The Rochade SAX API enables import and export of XML.

The Rochade client user interface, *AutoPilot*, provides command driven and graphical interfaces to the Rochade server. It is fully extensible and customizable to provide interfaces tailored to end-user requirements. Rochade also supports browser-based access through ASG-Rochade WebAccess™.

The Rochade server can be deployed in a range of mainframe, UNIX® and Windows® environments, allowing for the distributed management of enterprise metadata.

Other ASG Products that Work with ASG-Rochade™

- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

ASG-Visual Process™ for Knowledge-Driven Process Management

ASG-Visual Process provides your organization with the tools and knowledge necessary to thoroughly plan, execute, and manage your IT and business projects. Visual Process supports knowledge management by delivering, managing, authoring, and customizing methodologies.

Visual Process also supports project management by planning and estimating projects, and by allowing the entire work process to run smoothly.

This integrated suite of tools supports every phase of a project — from conception to implementation — so your company can transform knowledge into the most effective plan for the project.

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

From its inception as a mainframe product in 1991 to its robust Web implementation today, IMPACT has provided large, mainframe-centric enterprises with an "industrial strength" solution to their IT service management requirements. Originally designed to support enterprise computing and mission-critical applications from the data center outwards, IMPACT has evolved to support the distributed PC environment, numerous network management systems, external customers, service providers, and self-support technologies.

IMPACT's scalability and strength supports even the most demanding environments. Our open API allows any mainframe program or process plus processes on Windows® NT/2000 and four UNIX® platforms to open problem tickets in IMPACT, triggering automatic notifications and escalations.

Component Architecture

IMPACT's component architecture optimizes the IT Service Management function across the enterprise. The major components are:

- ASG-IMPACT® Database — The database is separated from the program logic so that it can be installed in a location and on a platform optimal for the enterprise. Installers are provided for DB2®, Oracle® and SQL Server. However, IMPACT runs with any ODBC-compliant database.
- ASG-IMPACT® for OS/390® — This mainframe version of IMPACT provides integrated functions for:
    - Service Desk Management
    - Problem Management
    - Change Management
    - Asset Management
    - Service Requests*
    - Service Level Agreements*
- ASG-IMPACT Web™ — This Web-native version accesses the same database as the OS/390® version, allowing Web users to access and share the same data as terminal-emulation users. It can also operate with a standalone database and interface with the mainframe environment via IMPACT Automation Services.

The current version supports:

- Service Desk Management
- Problem Management
- Change Management
- Asset Management
- "My IMPACT" Customized Interface
- Help Yourself Desk

- ASG-IMPACT® Customization Facility — Allows for the creation of custom screens and program logic.
- ASG-IMPACT® Message Center — Provides the e-mail, fax, pager, and voice notification functions for problem management and escalations.
- ASG-IMPACT® Automation Services — Provides for the automatic creation of problem tickets based on system alerts, event notifications from other ASG products and from third-party applications such as network management systems and ASG-Server Facility™.
- ASG-Server Facility™ (ASF) — ASF provides an interface layer for the development of event notifications to IMPACT Automation Services for any program or process running on OS/390®, Windows NT®, AIX®, HP/UX, Sun Solaris® and Linux®.
- ASG-KnowledgeWave™ — ASG's knowledge acquisition and expert system development tool.

*Service Requests and Service Level Agreement functions will be added in subsequent releases.

As your Operations staff faces a constantly evolving computing environment, which encompasses multi-platform solutions from multiple vendors, the need to capitalize on vendors with a wide breadth of solutions becomes apparent.

Additionally, the "traditional" mainframe data center is evolving and expanding to include distributed applications and environments. With this transition, operations management professionals are faced with a number of challenges including increasing technological requirements, shrinking IT budgets, staff over-extension, and lack of mainframe expertise. To overcome these challenges, businesses are turning to solutions that address issues such as enterprise scheduling, workload analysis, and JCL management.

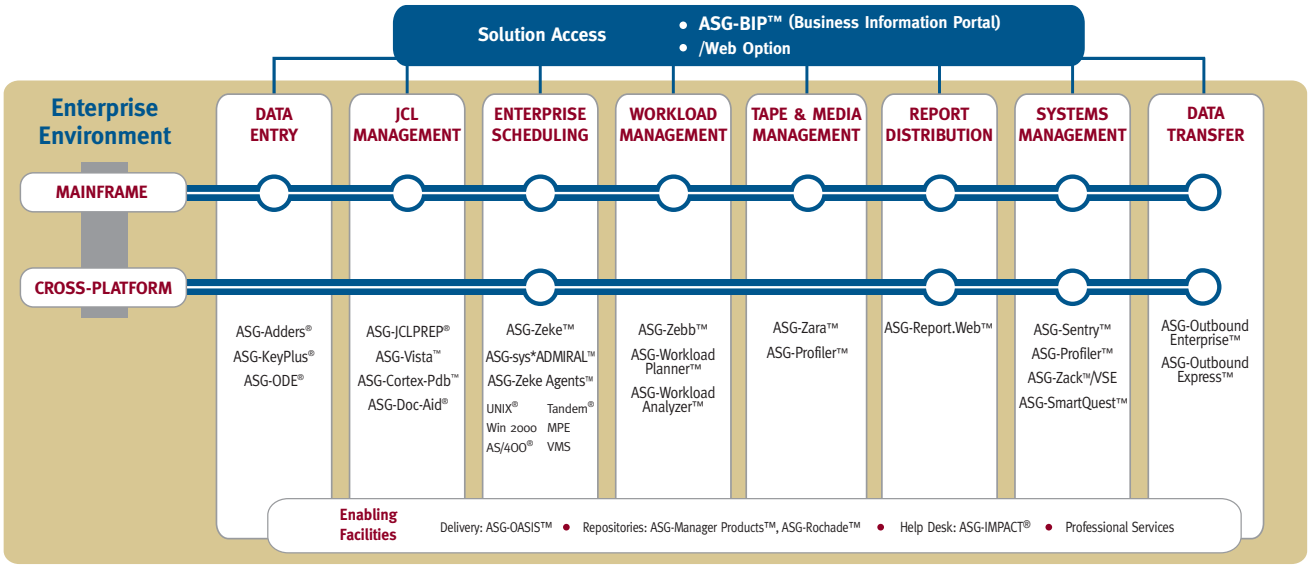
ASG operations management solutions help you manage and automate your computing environment and simplify complexities with solutions that meet immediate and future needs through seamless integration across your entire enterprise.

A set of disciplines — Data Entry, JCL Management, Enterprise Scheduling, Workload Management, Tape and Media Management, Report Distribution, Systems Management, and Data Transfer — support the mainframe and cross-platform enterprise environments. The "blueprint" below depicts the strategic deployment of ASG operations management solutions.

"We will foster the association of trust through responsible actions and honest communication."

Arthur L. Allen
ASG President & CEO

ASG Operations Management Blueprint



The operations management blueprint provides solutions to manage increasing workloads more efficiently, accurately, and reliably on new and current platforms with optimum cost of ownership.

ASG
Software Solutions

Access to Operations Management Solutions

As with all the ASG solution areas, access to applications management solutions can be achieved by using the ASG portal offering, ASG-BIP™ (Business Information Portal). Also, as part of ASG's /Web initiative, many application solutions have been provided with a Web user interface.

For details on ASG-BIP, see page 38.

Data Entry

To automate traditionally manually-intensive and error-prone activities, such as data entry tasks, ASG offers the following solutions to streamline the process:

ASG-Adders® and Adders®/PC for Streamlined Data Entry

ASG-Adders allows you to handle decentralized or migrated data entry functions on intelligent PC workstations that may also serve as data entry devices. Adders migrates and expands with your enterprise. It is an independent, powerful online data entry product that saves a tremendous amount of time, money, and labor by streamlining the data entry process.

Adders enables you to enter data directly into your mainframe with immediate validation and error identification as data is being keyed Adders is extremely user-friendly, providing online help, screen prompting, and excellent user documentation when needed. Additionally, Adders provides fast start-up time — no front-end programming or operating system modifications are necessary.

Adders/PC provides the same data entry functionality for the PC as Adders provides for the mainframe. Adders/PC consists of four steps for setting up an application: "painting" the screen; setting up validation rules; specifying the command set to determine the display sequence for data entry screens; and setting up batch totals and other batch controls.

ASG-KeyPlus® and ASG-KeyPlus®/PC for Online Data Entry

ASG-KeyPlus is an online data entry system that runs on IBM and IBM-compatible mainframes using standard 3270-type terminals. It incorporates all features of offline data entry systems (e.g., immediate response time) with the benefits of online systems.

KeyPlus provides the flexibility to determine what amount of data entry work is distributed throughout your organization. KeyPlus has the ability to access mainframe files, making it useful as a file inquiry system or a master file maintenance tool. Because it provides a simple way to enter and extract data, KeyPlus can easily generate diverse test data. KeyPlus uses formats, jobs, batches, and operator security for controlling access at the user level, while a supervisor has authority privileges and controls security to all sensitive data.

KeyPlus/PC has the same data entry formats and validation procedures that are maintained on the mainframe. These formats and procedures are transferred to the PC via a down-line load or batch file transfer process. Both KeyPlus and KeyPlus/PC use the same table of valid user IDs and passwords, and share the same editing features.

ASG-ODE® for Online Data Entry and Application Development

ASG-ODE is an online tool designed for reliable, "heads-down" data entry, data entry application development, sophisticated system control facilities, and standard data entry activities.

ODE is a user-oriented, powerful, and advanced software solution that is easy to use, making it ideal for novice and expert users alike. ODE eliminates the need for additional hardware by allowing direct entry to mainframe files. It operates in a CICS®- or VTAM®-based environment and does not require key-to-disk, key-to-tape, or key-to-diskette hardware. ODE also avoids delays traditionally caused by creating batches and transporting data.

You can customize ODE to fit all your data entry needs. It allows you to define multiple occurrences of a screen field or detail line, as well as define multiple screen field types and multiple edits for screen format fields. Reformatted batches of edited data are easily output for use by other applications, saving time and money.

ODE/PC provides the same robust, dependable, data entry functionality for the PC as ODE provides for the mainframe. ODE/PC is a runtime system that allows you to tap into the power of mainframe ODE system applications, screen formats, programs, tables, and more. ASG-ODE PC/X allows for a stand-alone application without interface to the mainframe version.

JCL Management

ASG offers a unique approach to JCL management. We offer a proactive applications development solution in ASG-Cortex-Pdb™ and a reactive operations solution in ASG-JCLPREP®. Combined with the analytical capabilities offered by ASG-Vista™ and the documentation capabilities of ASG-Doc-Aid®, ASG truly offers end-to-end JCL management.

ASG-JCLPREP® for Analyzing JCL and Enforcing JCL Standards and Syntax

ASG-JCLPREP is a comprehensive JCL management solution that automates JCL changes, standards enforcement, conversion, and tuning, eliminating hours of exhausting programming for staff. Flexible and easy to use, JCLPREP streamlines operations, improves your data center's productivity, and reduces downtime in your production system by eliminating errors.

JCLPREP is the industry standard for complete JCL management. It interfaces with ASG-Vista™ and ASG-Doc-Aid® to provide a complete view of your enterprise's JCL. This dynamic tool has the ability to perform fully customizable standards enforcement, JCL conversions and corrections, as well as comprehensive reporting and optional reformatting. JCLPREP shields your organization against productivity losses by ensuring that job control management is performed accurately and according to pre-determined standards.

Other ASG Products that Work with ASG-JCLPREP®

- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Doc-Aid® for accurate, comprehensive job documentation
- ASG-Life Cycle Manager™ (LCM™) for accurate change control
- ASG-Vista™ for analyzing and documenting applications
- ASG-Zeke™ for enterprise event scheduling

ASG-Vista™ for Analyzing and Documenting Applications

ASG-Vista spans the operational and applications development spectrum of IT. Vista's unique, easy-to-navigate graphical user interface allows your IT staff to view everything from a complete job overview to code-level detail without the challenge of trying to manually correlate data from incomplete sources. Using state-of-the-art client/server architecture with a single relational database, Vista analyzes IS programs, files, jobs, transactions, and databases to provide instant access from the desktop. Programmers and analysts view, query, explore, analyze, and identify unused resources within the system in a matter of minutes. Graphical impact analysis allows the rapid and simple understanding of the scope of proposed application changes.

Other ASG Products that Work with ASG-Vista™

- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Workload Planner™ for job planning during mainframe scheduling
- ASG-Outbound Suite™ for transferring data across various platforms

ASG Software Solutions

- ASG-Cortex MS™ for converting VSE/ESA to z/OS or OS/390®
- ASG-Workload Analyzer™ for precise job analysis
- ASG-Zeke™ for enterprise event scheduling
- ASG-Life Cycle Manager™ (LCM™) for accurate change control

ASG-Cortex-Pdb™ (Production Database) for Documenting Application Objects and Attributes

ASG-Cortex-Pdb is part of the ASG-Cortex-OMS™ suite. Cortex-Pdb documents application objects and attributes in a production database that is compatible with any hardware or software environment.

Cortex-Pdb is also a powerful compiler that generates standardized JCL and process flows. It generates procedures, parameter streams, and job scheduling information for multiple environments (tests, acceptance, production, etc.) and platforms (z/OS, OS/390®, UNIX®, etc.) in accordance with your IT standards.

In addition, Cortex-Pdb streamlines the process of moving your application JCL or other command language into production.

Other ASG Products that Work with ASG-Cortex-Pdb™

- ASG-Cortex-MS™ for converting VSE/ESA to z/OS or OS/390®
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Life Cycle Manager™ (LCM™) for accurate change control
- ASG-Outbound Suite™ for transferring data across various platforms
- ASG-Rochade™, ASG-MethodManager™, and ASG-Vista™ for documenting IT production operations
- ASG-Sync™ for managing data batches
- ASG-Zebb™ for automated job restart/rerun
- ASG-Zeke™ for enterprise event scheduling

ASG-Doc-Aid® for Accurate, Comprehensive Job Documentation

ASG-Doc-Aid provides your organization with an automated solution for creating and maintaining job documentation. Doc-Aid runs under TSO/ISPF or native VTAM®, and gathers information directly from JCL, setting up screens to ensure the documentation correctly reflects your job and its components.

Doc-Aid produces finished documents in an organized, easy-to-read hardcopy format and an online version that offers powerful cross-referencing capabilities. Doc-Aid releases comprehensive job reports, offering information about the components and processing your job flow. Doc-Aid reduces your organization's manual processing workload, increasing the accuracy of its documentation.

Other ASG Products that Work with ASG-Doc-Aid®

- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Zeke Agents™ for extending the power of ASG-Zeke™ to the enterprise

Enterprise Scheduling

The ability to manage events and tasks across the entire enterprise (mainframe, UNIX®, NT, ERPs, etc.) is becoming an increasing concern for Operations personnel. The ability to automate the execution of these tasks with a single unified scheduling solution eliminates the need to learn, maintain, and pay for multiple disparate solutions. Unlike the inflexible approach of most vendors, ASG offers multiple options in automating your scheduling environment.

ASG-Zeke™ for Enterprise Event Scheduling

ASG-Zeke is an automated job scheduler that dynamically schedules and dispatches events, and monitors every aspect of your job schedule.

Zeke provides wide-ranging functionality including system command scheduling, automatic variable calculation and substitution, step-level condition-code validation, workload balancing, schedule forecasting and simulation, SAF security, optional SMP/E support, simultaneous support for multiple JCL libraries, electronic vaulting capabilities, pre-built calendars, and more.

When you integrate Zeke with ASG-Zeke Agents™, scheduling is extended to all the major platforms, including UNIX, OS/400®, Windows NT®, VMS, MPE, and Tandem®.

Other ASG Products that Work with ASG-Zeke™

- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Doc-Aid® for accurate, comprehensive job documentation
- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Zeke Agents™ for extending the power of ASG-Zeke™ to the enterprise
- ASG-Vista™ for analyzing and documenting applications
- ASG-Workload Analyzer™ for preciese job analysis
- ASG-Workload Planner™ for job planning during mainframe scheduling
- ASG-Zack™/VSE for automated console management
- ASG-Zara™ for automated tape management
- ASG-Zebb™ for automated job restart/rerun
- ASG-sys*ADMIRAL™ for enterprise distributed job scheduling

ASG-sys*ADMIRAL™ for Enterprise Distributed Job Scheduling

ASG-sys*ADMIRAL is an automated job scheduler for distributed environments. It dynamically schedules and dispatches events while monitoring every aspect of your job schedule.

sys*ADMIRAL provides wide-ranging functionality combining ease of use, exception-based management, scalability, and fault tolerance. A single user interface is used to manage your scheduling workload across multiple disparate environments including, but not limited to, UNIX®, Windows® 2000, Windows NT®, AS/400®, and MPE/iX.

Other ASG Products that Work with ASG-sys*ADMIRAL™

- Integration with the mainframe environment through ASG-Zeke™, yielding cross-platform triggering capabilities and the extension of the common GUI to include management of MVS scheduling workloads, is currently being explored.

ASG-Zeke Agents™ for Extending the Power of ASG-Zeke™ to the Enterprise

ASG-Zeke Agents allow job scheduling on distributed platforms from the ASG-Zeke™ mainframe scheduler. Jobs running on platforms such as UNIX®, Windows NT®, AS/400®, HP/MPE, Tandem®, and VMS are defined, managed, and controlled from Zeke — just like mainframe jobs.

Other ASG Products that Work with ASG-Zeke Agents™

- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Doc-Aid® for accurate, comprehensive job documentation
- ASG-JCLPREP® for analyzing JCL and enforcing JCL standards and syntax
- ASG-Vista™ for analyzing and documenting applications
- ASG-Workload Analyzer™ for precise job analysis
- ASG-Workload Planner™ for job planning during mainframe scheduling

ASG Software Solutions

- ASG-Zack™/VSE for automated console management
- ASG-Zara™ for automated tape management
- ASG-Zebb™ for automated job restart/rerun

ASG-Cortex-OMS™ for Planning, Scheduling, and Controlling IT Production Operations

ASG-Cortex-OMS is a robust suite of tools for optimizing the operations of z/OS- and OS/390®-based IT centers. Cortex-OMS is comprised of:

- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Cortex-Prep™ for job setup, restart, and rerun functionality
- ASG-Cortex-Plan™ for automating job planning, scheduling, and monitoring

ASG-Workload Scheduler™ for Managing Complicated Workloads

ASG-Workload Scheduler is a full-function scheduler that provides all of the functionality required by today's complex data center. It provides mechanisms to define, manage, execute, and monitor complicated workloads. Workload Scheduler also eases full cross-platform scheduling between the mainframe and UNIX® and/or NT workstations and servers. It provides high-level functionality while maintaining an easy-to-use design.

ASG-Batch Bridge™ for Linking Schedulers and Applications

ASG-Batch Bridge provides the missing link between existing schedulers and distributed applications. Batch Bridge consists of a mainframe component that is transparent to existing scheduling systems. It acts as an interface between JES and workload scheduling agents on distributed platforms such as UNIX®, Linux®, and NT. The job to be submitted on an NT or UNIX machine is defined to your existing scheduler like any other job. Batch Bridge submits the job on the correct platform and monitors its progress. Upon job completion, the completion code of the distributed job is passed back to the existing scheduler. The existing scheduler decides how to continue based on this completion code. Additionally, job output can be redirected from the distributed platform back to the Batch Bridge job.

Workload Management

Enterprise scheduling is a very important solution within operations management, but it is only one piece of the puzzle. A truly integrated solution must encompass enterprise scheduling, rerun/restart processing, and proactive and reactive analytical tools that assist in determining run-time abnormalities. ASG's Workload Management suite of products addresses all of your enterprise scheduling needs, supplying you with a well-rounded system.

ASG-Zebb™ for Automated Job Restart/Rerun

ASG-Zebb is an automated restart system that monitors jobs on one or multiple mainframe computers. It evaluates and logs the execution steps within jobs and provides automated restart and recovery capabilities. Zebb significantly reduces the amount of manual work required to restart or rerun jobs in OS/390® environments, dramatically reducing the possibility of human error and increasing productivity.

Other ASG Products that Work with ASG-Zebb™

- ASG-Zeke™ for enterprise event scheduling
- ASG-Zara™ for tape management
- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes

ASG-Workload Planner™ for Job Planning During Mainframe Scheduling

ASG-Workload Planner gives your data center staff the ability to better understand complex

schedules from a variety of mainframe scheduling systems. It also helps your staff forecast future scheduling performance.

Workload Planner takes complex information contained in a scheduling system database and translates it into interactive graphic flowcharts. Forecast information, also collected from the scheduling system, is used to create a series of graphs that predict the performance of scheduled processing.

Workload Planner provides a comprehensive flowchart of all scheduled jobs. By changing timing information, the addition or removal of jobs to and from a schedule is also modeled. This function allows you to simulate "what if" scenarios to gauge the impact of changes on batch window processing.

Other ASG Products that Work with ASG-Workload Planner™

- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Vista™ for analyzing and documenting applications
- ASG-Workload Analyzer™ for precise job analysis
- ASG-Zeke™ for enterprise event scheduling

ASG-Workload Analyzer™ for Precise Job Analysis

ASG-Workload Analyzer is a PC-based analysis tool that provides your enterprise with invaluable insight into batch window processing. It tracks and analyzes processing performance, detects problem areas, and presents an analysis of processing in a graphical format that is easy to understand. Workload Analyzer is a superb tool for data centers, saving staff from time-consuming data analysis.

Workload Analyzer displays executed jobs and identifies where jobs were abended or where time was lost. It graphically captures job runtime data from the system management facility (SMF), thereby expediting analysis of processing trends, resolving bottlenecks and improving operational productivity in an OS/390® environment.

Other ASG Products that Work with ASG-Workload Analyzer™

- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Vista™ for analyzing and documenting applications
- ASG-Workload Planner™ for job planning during mainframe scheduling
- ASG-Zeke™(OS/390®) for enterprise event scheduling

Tape and Media Management

Reliably managing your current tape libraries with a time-proven solution and being positioned to handle future devices and automation hardware is attainable through the technologies ASG-Zara™ and ASG-Profiler™.

ASG-Zara™ for Automated Tape Management

ASG-Zara is a cost-effective, online media management system. Zara secures, audits, and monitors valuable IT data in the OS/390® environment, while providing real-time access to tape management data.

With Zara's easy-to-use formatted screens, simple operating commands, and online customization features, your technical staff will quickly master the system. Zara vigilantly protects critical data through retention, interactively tracks data for administration and reporting purposes, offers real-time robotic support, and provides sophisticated vaulting functions. Additionally, Zara tracks the physical location and data set contents for every volume, determines the status of tapes, and performs database maintenance.

Zara's wide-range of functions provides your organization with greater control of your tape libraries. After JCL has called all the data sets, Zara stores information about tape cartridges. Zara also identifies media that should be

scratched for reuse and data sets or volume numbers that should be protected. Zara tracks archived data, whether it is stored on-site or off-site. Zara provides your staff with access to in-house and off-site information in the form of online displays and hard copy reports.

Other ASG Products that Work with ASG-Zara™

- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Zebb™ for automated job restart/rerun
- ASG-Zeke™ for enterprise event scheduling

ASG-Profiler™ for Interactive Monitoring and Analysis of Mainframe Hardware and Media

ASG-Profiler is a user-oriented, PC-based, interactive monitoring, analysis, and measuring system designed specifically to maintain the health of mainframe hardware and media. Profiler automatically maintains a living configuration file of the OS/390® configuration. It collects OS/390 hardware dates and statistics and sends them to a Windows®-based database for analysis. GUI analytical tools then perform analyses, establish trends, and correlate data. Profiler also supports electronic alerts for all significant events and provides instant access to the current status of the data center.

Report Distribution

ASG-Report.Web™ allows you to streamline the reporting process by viewing reports online from a Web browser, and reduce costs by printing only what you need.

ASG-Report.Web™ for Enterprise Legacy/ERP Report Publishing

ASG-Report.Web provides secure, efficient, and cost-effective report distribution by Web-enabling host-generated reports to be viewed on corporate intranets or extranets. Report.Web supplies your administrators with a powerful server engine to publish and manage company reports — daily, weekly, or any time. End-users are able to view their reports through a robust, fully functional Web viewer, and receive their reports extracted into familiar spreadsheet formats. Engineered specifically for the Web, Report.Web offers a complete alternative to the high costs and time constraints associated with printing.

Other ASG Products that Work with ASG-Report.Web™

- ASG-Outbound Express™ for mainframe-centric file transfers
- ASG-Outbound Enterprise™ for open-platform file transfers
- ASG-Safari™ for business analytics and data management
- ASG-Safari OLAP™ for business intelligence
- ASG-WebDocumentz™ for Web-based knowledge management
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Sync™ for managing data batches

Systems Management

Systems Management is an extensive area comprised of multiple solutions that address different needs within the data center: network management is achieved with ASG-Sentry Network Manager™, device reliability and analysis is provided by ASG-Profiler™, and console automation comes from utilizing ASG-Zack™/VSE.

ASG-Sentry Network Manger™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

Sentry Network Manager is a full-featured network manager that is easy to install, implement, and customize. It is Web-based, allowing secure and unlimited access from any Web browser. Sentry Network Manager provides customizable alert notification, trend monitoring and forecasting, as well as event management and correlation. It is fully SNMP-compliant and can be integrated into existing network configurations or run independently.

With Sentry Network Manager, network administrators can achieve complete visibility of an SNMP-capable network, and be automatically notified of network anomalies and threshold violations with high-level diagnostic messages. It is a cost-effective solution to operator accessibility of network data from any seat, providing secure management of SNMP devices from a remote location on a public Internet.

Other ASG Products that Work with ASG-Sentry Network Manager™

- ASG-Sentry Agent™ for managing network servers
- ASG-Sentry Element Manager™ for managing distributed networks
- ASG-Sentry/SNMX™ for custom SNMP scripting
- ASG-Sentry SNMX SDK™ for extending C-language programs with SNMP capabilities
- ASG-IMPACT® and ASG-IMPACT Web™ for complete IT service management
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Safari InfoTools™ for business analytics and data management
- ASG-KnowledgeWave™ for artificial intelligence in expert systems development

ASG-Sentry Agent™ for Managing Network Servers

ASG-Sentry Agent is a ready-to-run application for both Windows® and UNIX® platforms. It provides an implementation of SNMP that enables you to monitor your disk space, memory, processes, applications, files, and CPU usage via ASG-Sentry Network Manager™, ASG-Sentry Element Manager™, a third-party network manager, or via any Web browser. Agent furnishes an easily scaled framework that lets you add new SNMP management functions as you need them. This agent contains our powerful SysApp monitor for preparing the application layer of your servers and workstations with SNMP.

Sentry Agent is an extensible framework for creating SNMP agent processes and related Web pages. In addition to being an open system built with fully commented CGI scripts, Sentry Agent incorporates an optional extensive C-language call library that creates SNMP agent functionality for stand-alone SNMP agents.

Other ASG Products that Work with ASG-Sentry Agent™

- ASG-Sentry Network Manager™ for complete network management
- ASG-Sentry Element Manager™ for managing distributed networks
- ASG-Sentry/SNMX™ for custom SNMP scripting
- ASG-Sentry ExAgent SDK™ for extending C-language programs with SNMP capabilities

ASG-Sentry Element Manager™ for Managing Distributed Networks

The ASG-Sentry Element Manager is a combination of the ASG-Sentry Network Manager™ and the ASG-Sentry Agent™ programs. It provides the capability to offload network monitoring to remote locations, which is especially valuable when connectivity between locations is either slow or very busy with other traffic (i.e., satellite links) within a network managed by ASG-Sentry Network Manager.

Sentry Element Manager may also be deployed within an already existing network management framework. It allows you to monitor the application layer of a platform, gathering statistics on disk space, memory, and CPU usage, process, applications, and files. You can monitor up to 16 additional SNMP devices and/or TCP services on the local network, allowing you to manage critical platforms on your system.

Sentry Element Manager also includes the ability to send notifications via e-mail, SNMP traps, as a syslog message, or via a custom notification. It incorporates a dial-out interface as a standard feature, allowing you to send e-mail, traps, and other notification messages via a modem connection that is automatically established and maintained on an as-needed basis.

Other ASG Products that Work with ASG-Sentry Element Manager™

- ASG-Sentry Network Manager™ for complete network management
- ASG-Sentry Agent™ for managing network servers
- ASG-Sentry/SNMX™ for custom SNMP scripting
- ASG-Sentry ExAgent SDK™ for extending C-language programs with SNMP capabilities

ASG-Sentry/SNMX™ for Custom SNMP Scripting

ASG-Sentry SNMX (Simple Network Management Executive) is a scripting language, interactive command line shell, MIB browser, MIB compiler, and scriptable SNMP agent. Sentry/SNMX forms the core of the ASG-Sentry™ product line, and operates on Windows® and UNIX® platforms.

Sentry/SNMX is extremely powerful, yet very simple to implement. It provides abilities to easily create advanced SNMP network managers, SNMP agents, and text/graphic user interfaces. This functional diversity allows Sentry/SNMX to be utilized on many different levels:

- Administrative Tool — Sentry/SNMX can be viewed as a full-featured MIB browser. It provides numerous functions that allow users to explore the structured management information of a device.
- Element Configurator — Sentry/SNMX can be used as a configuration control program. It allows an entire MIB (or portions thereof) to be listed to a disk file, edited, and put back to the network device.
- Network Scanner — Sentry/SNMX is highly useful for making comparative measurements of network devices. The program has a built-in agent table as part of its private MIB, which facilitates a variety of scanning and charting operations.
- Network Configurator — Sentry/SNMX can update multiple network devices with a single command.
- SNMP Agent — Sentry/SNMX executes in a special “SNMP agent” mode, permitting users to script applications that feed data to other management systems, including third-party managers.

Other Products that Work with ASG-Sentry/SNMX™

- ASG-Sentry Network Manager™ for complete network management
- ASG-Sentry Agent™ for managing network servers
- ASG-Sentry Element Manager™ for managing distributed networks
- ASG-Sentry/SNMX SDK™ for custom extending of C-programs with SNMP capabilities

ASG-Sentry/SNMX SDK™ for Extending C-Language Programs with SNMP Capabilities

ASG-Sentry/SNMX SDK (Software Development Kit) allows you to extend SNMX language by adding user written commands. C-language programmers can develop programs that interact with SNMP devices.

Sentry/SNMX SDK comes with a detailed 400-page command reference which describes how to use SNMX, including how to script SNMX agents and management applications.

Other ASG Products that Work with ASG-Sentry/SNMX SDK™

- ASG-Sentry/SNMX™ for custom SNMP scripting

ASG-Sentry ExAgent SDK™ for Extending C-Language Programs with SNMP Agent Technology

ASG-Sentry ExAgent SDK (Software Development Kit) is a powerful SNMP development kit that includes a powerful API and a tutorial that greatly simplifies the development of site-specific SNMP agents. It allows C-language programmers to modify or extend ASG-Sentry Agent™ by developing their own "plug-ins" to support *Get*, *Get-Next*, *Set*, and *Trap* messages.

Other ASG Products that Work with ASG-Sentry ExAgent SDK™

- ASG-Sentry Agent™ for managing network servers
- ASG-Sentry Element Manager™ for managing distributed networks

ASG-Zack™/VSE for Automated Console Management

ASG-Zack monitors all console activity and events continuously, providing automated systems operation. Zack independently handles routine events and alerts your operators to situations demanding additional attention, allowing operators to concentrate on more pressing tasks.

Other ASG Products that Work with ASG-Zack™/VSE

- ASG-Zeke™/VSE for enterprise event scheduling

ASG-SmartQuest™ for Trapping and Analyzing Application Abends

ASG-SmartQuest™ is a companion to ASG-Existing Systems Workbench™ (ESW®). SmartQuest is an interactive fault analyzer with built-in source language support for COBOL, PL/I, and Assembler. With SmartQuest, your staff has the tools to intercept and capture application information about abends. Navigating application dumps is easy with SmartQuest's user-friendly point-and-shoot interface. The following SmartQuest options are available:

- ASG-SmartQuest™/MVS
- ASG-SmartQuest™/CICS®

Other ASG Products that Work with ASG-SmartQuest™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-IMPACT® for complete IT service management

ASG-DCM™ for Dataset Status Reporting

ASG-DCM allows users to display information about dataset ownership status and current contention conditions at their own terminal — without having to ask for assistance from the Operations staff. Also, DCM automatically provides online notification about dataset contention problems, keeping your staff in the know.

ASG-RTU™ for Uninterrupted CA-IDMS® Sessions

ASG-RTU enables exceptions to be made to the standard Central Version (CV) timeout interval. RTU specifies diverse timeout intervals for each IDMS user ID or groups of IDMS user IDs, maximizing the efficiency of your IDMS sessions.

Data Transfer

The ASG-Outbound™ suite of products enables efficient transfer of large volumes of data throughout the enterprise.

ASG-Outbound Enterprise™ for Open-Platform File Transfers

With the ASG-Outbound Enterprise Application Programming Interface (API), user-developed programs read and write individual records randomly or sequentially to and from data sets of other operating systems or CPUs.

Outbound Enterprise supports transfers using SNA or TCP/IP among the following platforms: MVS (OS/390®), VSE, CICS®, VM/CMS, UNIX®, AS/400®, RS/6000, PC/LAN, and PCs running Windows® (3.1, NT, or 9x), NLM, or OS/2®.

Other ASG Products that Work with ASG-Outbound Enterprise™

- ASG-Report.Web™ for enterprise legacy/ERP report publishing
- ASG-Sync™ for managing data batches
- ASG-Alliance™ for applications discovery and impact analysis
- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Estimate™ for managing application maintenance projects
- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-Replication Suite™ for CA-IDMS® data distribution

ASG-Outbound Express™ for Mainframe-Centric File Transfers

ASG-Outbound Express is a dynamic, mainframe-centric file transfer tool that enables you to transfer files of any record- or block-sized combination between disparate platforms. With Outbound Express, you can run unattended data transfers between IBM-compatible, OS/390® servers (MVS, VSE or VM) and PCs, network servers, and AS/400® and UNIX® workstations. Outbound Express supports transfers of DB2® tables and provides the ability to extract fields from DB2 databases and VSAM and QSAM data sets.

Outbound Express is particularly suited for repetitive, unattended, mainframe-scheduled file transfers. It supports data transfers among OS/390, MVS, VSE, and VM and the following target platforms: Windows® 95, 98, NT, 3.x (and their variants), UNIX (AIX®, SCO UNIX, HP-UX, Digital UNIX, NCR UNIX, and Sun Solaris®), AS/400, Novell® NetWare, OS/2®, and DOS.

Other ASG Products that Work with ASG-Outbound Express™

- ASG-Report.Web™ for enterprise legacy/ERP report publishing
- ASG-Sync™ for managing data batches
- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Encore™ for evolving COBOL applications
- ASG-Recap™ for quality measurement
- ASG-Insight™ for understanding COBOL programs
- ASG-Replication Suite™ for CA-IDMS® data distribution
- ASG-SmartDoc™ for documenting COBOL programs
- ASG-Vista™ for analyzing and documenting applications

Enabling Technology

ASG-OASIS™ for Inter-Application Delivery

ASG-OASIS (Open Architecture Management System Solution) is a collection of facilities that provide common system functions for ASG mainframe automated operations applications. This integrated approach allows applications to be transported between operating systems such as MVS (OS/390®), VSE, and CMS. The OASIS architecture is constructed of individual components used by ASG-Zeke™, ASG-Zack™/VSE,

ASG-Zara™, and ASG-Zebb™ to provide uniform processing. For example, centralized OASIS variables can be used to communicate information among applications. Additional OASIS components include a centralized audit utility, a REXX customization facility for the enterprise, and an interface to external security products.

ASG-OASIS™/DMS for Inter-Application Delivery Systems

ASG-OASIS/DMS (Distributed Management Server), an optional feature of ASG-OASIS™, is an inter-application delivery system that allows applications in a distributed environment to communicate and share information from separate operating systems. OASIS/DMS transports information between applications through a VTAM® communication interface, using SNA/APPC and TCP/IP protocols. With OASIS/DMS, specific application features can be used in a network environment rather than be restricted to a single CPU or a shared DASD environment. Using OASIS/DMS, applications share information, reducing manual time and effort to keep multiple applications updated with accurate operational and database information.

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

Originally designed to support enterprise computing and mission-critical applications from the data center outwards, IMPACT has evolved to support the distributed PC environment, numerous network management systems, external customers, service providers, and self-support technologies.

IMPACT's open API allows any mainframe program or process plus processes on Windows® NT/2000 and four UNIX® platforms to open problem tickets in IMPACT, triggering automatic notifications and escalations.

For details on ASG-IMPACT, see page 22.

ASG-IMPACT Web™ for Net-Native IT Service Management

ASG-IMPACT Web brings ASG's advanced consolidated service desk capabilities to the Internet. Service desk problems and changes can be managed anywhere in the enterprise via the browser. Help desk analysts, departmental and branch IT coordinators, managers, and end-users can be given access to your enterprise help desk system without having to license, install, and maintain software on their PC.

Other ASG Products that Work with ASG-IMPACT Web™

- ASG-PreAlert®/IDMS for CA-IDMS® monitoring
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring
- ASG-SmartQuest™/MVS for trapping and analyzing z/OS and MVS (OS/390®) application abends
- ASG-Vista™ for analyzing and documenting applications
- ASG-Zeke™ for enterprise event scheduling

"We choose to work side-by-side with customers to deliver real results and to add the value of a true partner committed to each customer's business success."

Arthur L. Allen
ASG President & CEO

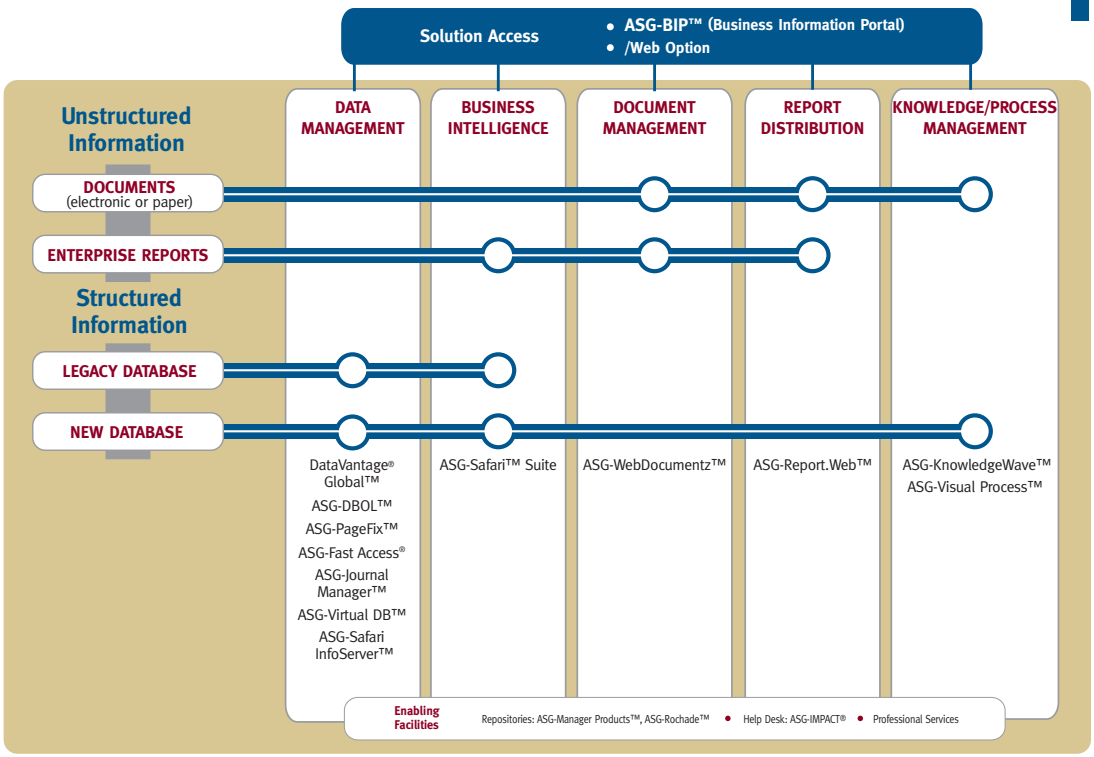
ASG
Software Solutions

In today's fast-paced business world, it has become inconceivable to wait weeks or months to analyze business reports relating to the success of your company. Now, more than ever, it is crucial to overcome the challenges involved in data management — quickly and efficiently. The challenges involved in data analysis and reporting are immense. The massive amount of information you have accumulated may be stored on several different informational systems, perhaps across multiple platforms, applications, and systems. You are presented with the never-ending challenge of transforming this vast amount of data into pertinent, organized, and beneficial information that is ready for analysis and reporting.

ASG's information management solutions provide your managers and top decision-makers with a solution to quickly and easily manage your company's essential business information, keeping you informed of important trends taking place in your enterprise. Data can be acquired from virtually any data source and brought directly to your desktop for complete access. To ensure that your company is successful in meeting the demands of this information age, it is vital that your decision makers are armed with all the resources available. The ASG information management product suite is designed specifically to supply the information your company needs to make better business decisions — quickly and economically.

A set of infrastructure components — Data Management, Business Intelligence, Document Management, Report Distribution, and Knowledge/Process Management — supports both unstructured (electronic/paper documents and enterprise reports) and structured information (legacy database and new database). The "blueprint" below depicts the strategic deployment of ASG information management.

ASG Information Management Blueprint



ASG Software Solutions

The information management blueprint represents types of information accumulated by enterprises and the ASG solutions to manage that information and enable better business decisions to be made.

Access to Information Management Solutions

ASG-BIP™ (Business Information Portal) Web Interface for Critical Applications and Core Processes

ASG-BIP is a highly customizable, secure, unified Web interface (intranet) designed to work in conjunction with your organization's critical applications and core processes. You can launch any Web-based solution through the BIP and it is easy to deploy and maintain. The BIP interface can be customized for syndicated content and corporate information distributed to your organization. For added knowledge management, business intelligence, and report distribution capabilities, the BIP can be integrated with other ASG solutions, allowing your employees to retrieve pertinent data quickly and easily from a huge reservoir of information.

Other ASG Products that Work with ASG-BIP™

- All ASG Web-enabled solutions
- All third-party, Web-enabled solutions
- ASG-KnowledgeWave™ for artificial intelligence in expert systems development
- ASG-Report.Web™ for enterprise legacy/ERP report publishing
- ASG-Safari™ for business intelligence
- ASG-Visual Process™ for knowledge-driven process management
- ASG-WebDocumentz™ for Web-based knowledge management

Data Management

DataVantage® Global™ for Data Management and Testing

DataVantage® Global™ is an innovative software solution that manages, edits, develops, and controls virtually every facet of your company's data testing across multiple platforms, databases, and file structures. DataVantage Global works with virtually any data, relational or non-relational, including DB2®, IMS, VSAM, UDB®, Oracle®, and Sybase®. DataVantage Global also operates across a variety of platforms such as OS/390®, UNIX®, and Windows®. It is the "single-tool" data management and testing solution that allows your company to increase productivity and make better-informed business decisions based on improved access to data.

For details on DataVantage Global, see page 18.

ASG-DBOL™ for Interactive CA-IDMS® Access and Updates

ASG-DBOL (Database Online) is an online utility that dynamically retrieves and updates data on any IDMS database. With DBOL, you can issue IDMS commands directly from your terminal.

DBOL assists with correcting database problems and generating test cases to debug and troubleshoot programs more efficiently. With this menu-driven facility, you will no longer need to remember data manipulation language (DML) command syntax for IDMS database problem solving and testing. DBOL populates a handful of test records and inspects the results of the test runs or patches the data back to its original state.

ASG-PageFix™ for Online CA-IDMS® Modifications

ASG-PageFix enables you to view and modify the IDMS contents of a database page online. Separate windows are used to display and modify data. Updates can be cancelled and old pages can be restored. PageFix quickly locates and displays specific lines on a page, and all processing is easily initiated using PF keys. No additional software is needed for full utilization of PageFix.

ASG-Fast Access® for Faster CA-IDMS® Read, Load, and Update

ASG-Fast Access reduces your processing time for CA-IDMS® database read, load, and update jobs. Fast Access performs I/O by acquiring extra buffer storage and loading it by track or

cylinder increments, satisfying program requests for I/O at higher CPU speeds.

Fast Access reduces processing time for batch jobs that sequentially access the IDMS database. Fast Access provides quicker access to vital information and increases throughput without costly system upgrades.

ASG-Journal Manager™ for Controlling CA-IDMS® Journal Activities

ASG-Journal Manager is a comprehensive journal management tool that helps your organization control all IDMS journal archive-based activities within the OS/390® environment. Recovery procedures have accurate and precise input because information is captured and journal files are saved to the Journal Manager VSAM file. Journal Manager tracks all journal archives created by central version offloads and local mode updates, while automating the ordering of these input files.

Other ASG Products that Work with ASG-Journal Manager™

- ASG-Replication Suite™ for CA-IDMS® data distribution

ASG-Virtual DB™ for Creating Virtual Copies of CA-IDMS® Databases

ASG-Virtual DB allows you to create multiple virtual copies of IDMS databases for use across a broad range of environments, such as development, production, operations, and a number of end-user activities.

Virtual DB is a complimentary product to ASG-Replication Suite™. It reduces the amount of DASD required to support multiple database copies and breaks through the limitations inherent to partial data and simulated test cases. Virtual DB also enables you to execute safe hot backups that run concurrently during normal update transactions.

Other ASG Products that Work with ASG-Virtual DB™

- ASG-Replication Suite™ for CA-IDMS® data distribution

ASG-Safari InfoServer™ for Data Management

ASG-Safari InfoServer is a powerful, server-based data management tool and the driving force behind ASG-Safari™ solutions. Serving as the central processing point, InfoServer provides complete, simultaneous access to all types of data structures. As the data server, it feeds the entire suite of ASG-Safari InfoTools™ desktop products.

Virtually all file systems — hierarchical and relational databases and applications — are accessible through interfaces native to the InfoServer. The server allows multiple files and tables to be joined together using both relational and non-relational links. The result is a single relational view of data from multiple heterogeneous data sources, available to you for analysis, querying, reporting, exporting, and updating.

Other ASG Products that Work with ASG-Safari InfoServer™

- ASG-Safari Administrator™ for full control over system maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoTools™ for business analytics and data management
- ASG-Safari.OLAP™ for business intelligence
- ASG-Safari OpenAccess™ for business intelligence connectivity
- ASG-Safari ReportWriter™ for analyzing critical operational data
- ASG-Report.Web™ for enterprise legacy/ERP report publishing

"We choose to work side-by-side with customers to deliver real results and to add the value of a true partner committed to each customer's business success."

Arthur L. Allen
ASG President & CEO

ASG
Software Solutions

Business Intelligence

ASG-Safari InfoServer™ for Data Management

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Other ASG Products that Work with ASG-Safari InfoServer™

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- ASG-Safari OpenAccess™ for business intelligence connectivity
- ASG-Safari ReportWriter™ for analyzing critical operational data
- ASG-Report.Web™ for enterprise legacy/ERP report publishing

ASG-Safari InfoTools™ for Business Analytics and Data Management

ASG-Safari InfoTools is a business analytics and data management solution that spans the spectrum of reporting requirements — from simple, ad-hoc queries to intricate production reports. By providing controlled access to virtually any data source — spreadsheets, report writers, OLAP systems, statistical packages, etc. — InfoTools guarantees maximum connectivity and performance.

Other ASG Products that Work with ASG-Safari InfoTools™

- ASG-Report.Web™ for enterprise legacy/ERP report publishing
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Safari InfoServer™ for data management

ASG-Safari™/4GL for Creating and Executing Complex Reports and Data-Management Tasks

ASG-Safari/4GL is the client component of the ASG-Safari™/UDMS character-based 4RW and 4DM modules. It provides an advanced approach to creating and executing highly complex reports and data management tasks.

As part of the ASG-Safari InfoTools™ suite, Safari/4GL allows you to create 4RW reports and 4DM tasks in a GUI environment on your PC rather than on your server. With its new and user-friendly graphic interface and its English-oriented, non-procedural language, Safari/4GL extends the power of ASG-Safari ReportWriter™. Safari/4GL helps your organization quickly build and deploy highly complex tasks and reports.

Other ASG Products that Work with ASG-Safari™/4GL

- ASG-Safari Administrator™ for full control over system maintenance
- ASG-Safari InfoServer™ for data management
- ASG-Safari ReportWriter™ for analyzing critical operational data

- ASG-Safari OpenAccess™ for business intelligence connectivity
- ASG-Report.Web™ for enterprise legacy/ERP report publishing

ASG-Safari Administrator™ for Full Control Over System Maintenance

ASG-Safari Administrator is a graphic metadata dictionary administrator designed for end-users and system administrators. As part of the ASG-Safari InfoTools™ suite, Administrator allows end-users to create their own views and table joins. Your system administrators exercise full control over system maintenance. Administrator has a user-friendly GUI, making it easy for your administrators to control, set up, and maintain user profiles and privileges.

Other ASG Products that Work with ASG-Safari Administrator™

- ASG-Safari™/4GL for creating and executing complex reports and data management tasks
- ASG-Safari InfoServer™ for data management
- ASG-Safari OpenAccess™ for business intelligence connectivity
- ASG-Safari ReportWriter™ for analyzing critical operational data

ASG-Safari OpenAccess™ for Business Intelligence Connectivity

As part of the ASG-Safari InfoTools™ suite, ASG-Safari OpenAccess gives your end-users an entire range of desktop tools to access mainframe and relational data files. Such tools include spreadsheets, report writers, DSS tools, and OLAP tools.

With OpenAccess, users will no longer be restricted to a standardized set of applications or database-specific desktop tools — giving them exceptional flexibility and unprecedented connectivity. Using native interfaces, OpenAccess provides simultaneous access to multiple file structures and offers the benefits of the ASG-Safari InfoServer™ n-tier architecture.

Other ASG Products that Work with ASG-Safari OpenAccess™

- ASG-Safari Administrator™ for full control over sysem maintenance
- ASG-Safari™/4GL for creating and executing complex reports and data-management tasks
- ASG-Safari InfoServer™ for data management
- ASG-Safari.OLAP™ for business intelligence
- ASG-Safari ReportWriter™ for analyzing critical operational data

ASG-Safari ReportWriter™ for Analyzing Critical Operational Data

As part of the ASG-Safari InfoTools™ suite, ASG-Safari ReportWriter gives you the tools to access, consolidate, and analyze critical operational data stored anywhere in your data resources. ReportWriter also produces presentation-quality reports of these findings.

With ReportWriter, your users will quickly convert operational data into meaningful representations of your operations. As a result, you will have the insight you need to make informed business decisions, streamline your operations, increase sales, and enhance customer satisfaction.

Other ASG Products that Work with ASG-Safari ReportWriter™

- ASG-Safari Administrator™ for full control over system maintenance
- ASG-Safari InfoServer™ for data management
- ASG-Safari OpenAccess™ for business intelligence connectivity
- ASG-Report.Web™ for enterprise legacy/ERP report publishing

ASG-Safari.OLAP™ for Business Intelligence

ASG-Safari.OLAP is a robust, interactive, and scalable Web application designed to help you turn complex business data into business intelligence. In addition to providing tactical

information, Safari.OLAP identifies the causes behind events and patterns through interactive analysis. With this tool, your staff will gain instant insight into the factors driving your business and a rich environment for viewing and manipulating data.

Other ASG Products that Work with ASG-Safari.OLAP™

- ASG-Safari InfoServer™ for data management
- ASG-Safari OpenAccess™ for business intelligence connectivity
- ASG-Report.Web™ for enterprise legacy/ERP report publishing

Document Management

ASG-WebDocumentz™ for Web-Based Knowledge Management

ASG-WebDocumentz is a comprehensive browser-based knowledge management system for enterprises. Designed with Microsoft® Web technologies, WebDocumentz can be seamlessly integrated with your organization's intranet, extranet, and Internet sites.

With WebDocumentz, your company easily manages all stages of document creation, scanning, publishing, and distribution. WebDocumentz provides a secure repository for your users' documents, allowing groups of any size to collaborate.

Other ASG Products that Work with ASG-WebDocumentz™

- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

Report Distribution

ASG-Report.Web™ for Enterprise Legacy/ERP Report Publishing

ASG-Report.Web provides secure, efficient, cost-effective report distribution by Web-enabling host-generated reports to be viewed on corporate intranets or extranets. Report.Web supplies your administrators with a powerful server engine to publish and manage company reports — daily, weekly, or any time. End-users are able to view their reports through a robust, fully functional Web viewer, and receive their reports extracted into familiar spreadsheet formats. Engineered specifically for the Web, Report.Web offers a complete alternative to the high costs and time constraints associated with printing.

Other ASG Products that Work with ASG-Report.Web™

- ASG-Outbound Express™ for mainframe-centric file transfers
- ASG-Outbound Enterprise™ for open-platform file transfers
- ASG-Safari™ for business analytics and data management
- ASG-Safari.OLAP™ for business intelligence
- ASG-WebDocumentz™ for Web-based knowledge management
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Sync™ for managing data batches

Knowledge Management

ASG-KnowledgeWave™ for Artificial Intelligence in Expert Systems Development

ASG-KnowledgeWave is the Web-based expert system and knowledge acquisition tool that consolidates the expert knowledge from your company into a single access point and builds Web applications to provide an around-the-clock Web service presence. It also increases profits from e-business initiatives by reducing support costs.

KnowledgeWave transforms static Web pages into pages designed to handle customer inquiries, comments, orders, and other information-gathering tasks. Additionally, it provides a streamlined process for laying out

application logic, creating Web pages, and setting up access to data, dramatically reducing the standard development period.

Other ASG Products that Work with ASG-KnowledgeWave™

- ASG-IMPACT® Web for Net-native IT service management
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

Process Management

ASG-Visual Process™ for Knowledge-Driven Process Management

ASG-Visual Process provides your organization with the tools and knowledge necessary to thoroughly plan, execute, and manage your IT and business projects.

Visual Process supports knowledge management by delivering, managing, authoring, and customizing methodologies. It also supports project management by planning and estimating projects, and by allowing the entire work process to run smoothly.

This integrated suite of tools supports every phase of a project — from conception to implementation — so your company can transform knowledge into the most effective plan for the project.

Other ASG Products that Work with ASG-Visual Process™

- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

Enabling Technology

ASG-Manager Products™ for High-Performance Enterprise Metadata Management

ASG-Manager Products is a family of technologies providing centralized management of the data describing information assets in your organization, and the examination, display, and utilization of that data. The Manager Products family provides out-of-the-box support for many metadata sources and predefined repository information models (RIMs) at software development and production organizations. These models can also be easily customized for your enterprise.

ASG-ManagerView™ provides workstation-based graphical information engineering. ManagerView is a direct window to the Manager Products repository, and allows you to display repository information in graphical terms. Browser-based access to the Manager Products repository is provided by ASG-Web Enabler™, which allows you to access and update the Manager Products repository at any time, and from any Web browser.

For details on ASG-Manager Products, see page 20.

ASG-Rochade™ for Distributed Enterprise Metadata Management

ASG-Rochade, the leading metadata repository, provides a central point for collection, control, management, and reuse of information assets. Rochade enables effective management of metadata in a complex environment. Whether it is versioning, configuration management, or security at the most detailed level, Rochade provides support for your metadata management strategy.

Rochade provides metadata interfaces to common programming languages, databases, and development management and data-management technologies. Facilities are provided to create custom metadata interfaces using the Rochade Procedure Language (RPL), and the Rochade Java API. The Rochade SAX API enables import and export of XML. Rochade also supports browser-based access through ASG-Rochade WebAccess™.

For details on ASG-Rochade, see page 21.

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

Originally designed to support enterprise computing and mission-critical applications from the data center outwards, IMPACT has evolved to support the distributed PC environment, numerous network management systems, external customers, service providers, and self-support technologies.

IMPACT's open API allows any mainframe program or process plus processes on Windows® NT/2000 and four UNIX® platforms to open problem tickets in IMPACT, triggering automatic notifications and escalations.

For details on ASG-IMPACT, see page 22.

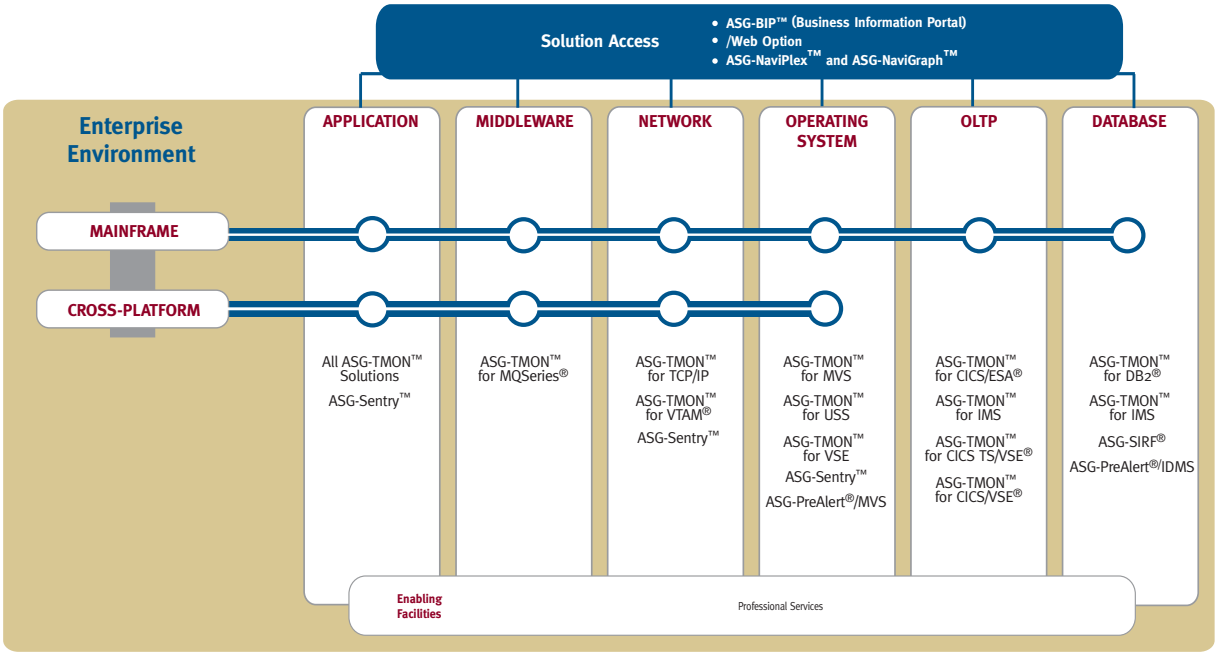
Your business applications increasingly rely on OS/390® and z/OS system services and data shared across a Sysplex, a Parallel Sysplex, or a Geographically Dispersed Parallel Sysplex (GDPS). As a result, it is critical to effectively monitor and manage the health and availability of all these services in one place and at the same time.

ASG provides a seamless solution for your enterprise-wide OS/390 and z/OS monitoring, managing, and reporting. ASG uniquely integrates all of its ASG-TMON™ products into wide-ranging performance monitoring solutions that empower your critical business applications.

ASG's performance management solutions are specifically designed to recognize problems that occur within your enterprise systems as well identify potential problems that may occur — providing significant benefits that drive effectiveness, efficiency, and value to the bottom line.

A set of infrastructure components — Application, Middleware, Network, Operating System, OLTP, and Database — supports the mainframe and cross-platform enterprise environments. The "blueprint" below depicts the strategic deployment of ASG performance management solutions.

ASG Performance Management Blueprint



The performance management blueprint provides comprehensive solutions to monitor the health, availability, and performance of the system and subsystem resources that power mission-critical business applications across the OS/390 and z/OS enterprise.

ASG Software Solutions

Access to Performance Management Solutions

ASG-BIP™ (Business Information Portal) Web Interface for Critical Applications and Core Processes

As with all the ASG solution areas, access to performance management solutions will be achieved by using the ASG portal offering, ASG-BIP (Business Information Portal). This is a forward-looking statement and integration possibilities are currently under development.

For details on ASG-BIP, see page 38.

ASG-NaviGraph™ for Enterprise Reporting ASG-TMON™ Trend Data

ASG-NaviGraph is an enterprise systems management reporting solution that addresses critical health and service level reporting needs. It allows the customer to download and report on hundreds of "recent past" metrics from every ASG-TMON™ for OS/390® and z/OS monitor (i.e., CICS®, DB2®, IMS, MQSeries®, MVS, TCP/IP, USS, and VTAM®) on the same screen and relate problem trends to factors throughout the major components of the operating system.

Other ASG Products that Work with ASG-NaviGraph™

- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for CICS/VSE® for management of CICS/VSE performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for MVS for management of MVS, OS/390®, and z/OS operating system performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance
- ASG-TMON™ for VSE for management of VSE/ESA operating system performance
- ASG-TMON™ for VTAM® for management of VTAM network performance

ASG-NaviPlex™ for Enterprise Reporting of ASG-TMON™ Real-Time Data

ASG-NaviPlex combines availability and performance data from all ASG-TMON™ monitors enterprise-wide into one Windows® application and consolidates all TMON-generated exceptions enterprise-wide into one report. NaviPlex provides real-time systems management information to the teams responsible for delivering service in the OS/390® or z/OS enterprise. Each TMON monitor has been instrumented to provide NaviPlex with exceptions and data sources using a standard mechanism across all TMON instances.

Other ASG Products that Work with ASG-NaviPlex™

- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for MVS for management of MVS, OS/390®, and z/OS operating system performance
- ASG-TMON for TCP/IP for management of TCP/IP network performance
- ASG-TMON for USS for management of UNIX System Services configuration and performance
- ASG-TMON for VTAM® for management of VTAM performance

Application

ASG-TMON™ for Complete Performance Monitoring and Management

ASG-TMON is a comprehensive solution for performance management and monitoring of MVS, CICS®, DB2®, IMS, VTAM®, TCP/IP, MQSeries®, and UNIX System Services. TMON provides in-depth analysis and displays components that can affect system performance. In addition, TMON gives you easy-to-use diagnostic capabilities for problems with definitions, configurations, applications, sessions, routes, and I/O devices.

Other ASG Products that Work with ASG-TMON™

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data

ASG-Sentry Network Manager™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

Sentry Network Manager is a full-featured network manager that is easy to install, implement, and customize. It is Web-based, allowing secure and unlimited access from any Web browser.

Sentry Network Manager provides customizable alert notification, trend monitoring and forecasting, as well as event management and correlation. It is fully SNMP-compliant and can be integrated into existing network configurations or run independently.

For details on ASG-Sentry Network Manager, see page 30.

Middleware

ASG-TMON™ for MQSeries® for Management of MQSeries Systems Performance

ASG-TMON for MQSeries is an all-encompassing management solution providing centralized management of your heterogeneous MQSeries environment. TMON for MQSeries supports configuration management, operations, administration, performance monitoring, and "management by exception" for complete control of MQSeries. It provides a 3270 user interface from which you can view activity throughout your MQSeries environment.

Other ASG Products that Work with the ASG-TMON for MQSeries®

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for MVS for management of MVS, OS/390®, and z/OS operating systems performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

Network

ASG-TMON™ for TCP/IP for Management of TCP/IP Network Performance

ASG-TMON for TCP/IP is a single-point solution for monitoring and managing the

ASG Software Solutions

performance of critical TCP/IP networks. TMON for TCP/IP identifies network bottlenecks, implementation problems, and the network's impact on business applications. It is the only OS/390®-centric TCP/IP product that monitors and manages non-OS/390 stacks and devices, making it the only complete enterprise-wide TCP/IP monitor.

Other ASG Products that Work with ASG-TMON™ for TCP/IP

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for MVS for management of MVS, OS/390®, and z/OS operating systems performance
- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

ASG-TMON™ for VTAM® for Management of VTAM Performance

ASG-TMON for VTAM is a comprehensive solution for monitoring every area of VTAM activity. It monitors both internal and external influences on the performance of your communications environment. TMON for VTAM provides in-depth analysis of all VTAM applications, including dataflow and response time information, and displays operating system components that can affect VTAM performance. In addition, TMON for VTAM gives you easy-to-use diagnostic capabilities for problems with VTAM definitions, configurations, applications, sessions, routes, and I/O devices.

Other ASG Products that Work with ASG-TMON™ for VTAM®

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data

ASG-Sentry Network Manager™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

For details on ASG-Sentry Network Manager, see page 30.

Operating Systems

ASG-TMON™ for MVS for Management of MVS, OS/390® and z/OS Operating Systems Performance

ASG-TMON for MVS is a dynamic solution for monitoring every area of IBM's MVS, OS/390, and z/OS operating systems. TMON for MVS monitors MVS performance in real time, provides access to historical data online for analysis, and offers facilities for summarizing and archiving MVS performance data for historical reporting. It is designed especially for systems programmers, performance analysts, application tuners, and operations personnel. TMON for MVS also includes flexible exception processing and productivity-enhancing system and programmer utilities.

Other ASG Products that Work with ASG-TMON™ for MVS

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data

- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

ASG-TMON™ for USS for Management of UNIX System Services Configuration and Performance

ASG-TMON for USS is a complete monitoring system for IBM's Unix System Services. As customers migrate traditional UNIX® work to the mainframe, build new applications under USS, or adopt IBM's WebSphere®, USS management is critical to production activity. TMON for USS is designed to mask UNIX, reducing the requirement for MVS system programmers to learn UNIX commands.

Other ASG Products that Work with ASG-TMON™ for USS

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for MVS for management of MVS, OS/390®, and z/OS operating systems performance
- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance

ASG-TMON™ for VSE for Management of VSE/ESA Operating System Performance

ASG-TMON for VSE provides tuning, debugging, and monitoring assistance for the expanded VSE for ESA operating system. It offers real-time and historical monitoring capabilities, and allows the customer to observe system status and perform system and application tuning, debugging, problem correction, and capacity planning.

Other Products that Work with ASG-TMON™ for VSE

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data

ASG-Sentry Network Manager™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

For details on ASG-Sentry Network Manager, see page 30.

ASG-PreAlert®/MVS for MVS (OS/390®) Monitoring

ASG-PreAlert/MVS is a robust, real-time control system that monitors activity and displays statistical data. It informs your technical staff of exception conditions and corrects problems across single or multiple MVS address spaces. By collecting statistics on hundreds of MVS events, PreAlert dramatically increases your data center's level of automation. PreAlert/MVS helps your organization satisfy demanding service level agreements, manage growing workloads, resolve unexplained system slowdowns or interruptions, and fine-tune MVS for maximum system performance and throughput.

Other ASG Products that Work with ASG-PreAlert®/MVS

- ASG-IMPACT® for complete IT service management
- ASG-SIRF® for CA-IDMS® performance analysis
- ASG-PreAlert®/IDMS for CA-IDMS® monitoring

OLTP

ASG-TMON™ for CICS/ESA® for Management of CICS/ESA Performance

ASG-TMON for CICS/ESA helps data center managers and system programmers quickly respond, identify, and resolve CICS problems. It effectively reduces costly application downtime, improving transaction throughput and identifying problems affecting application performance. With TMON for CICS/ESA, performance analysts and capacity planners can identify trends, improve application throughput, and plan for growth, which often avoids costly upgrade charges.

Other ASG Products that Work with ASG-TMON™ for CICS/ESA®

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON for MVS for management of MVS, OS/390®, and z/OS operating system performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

ASG-TMON™ for IMS for Management of IMS Performance

ASG-TMON for IMS is a complete system for performance management of IMS DB/DC on OS/390® and z/OS platforms. TMON for IMS monitors IMS transactions, databases, and resources in real time and alerts you before thresholds are reached. TMON for IMS analyzes resource utilization and contention, identifies and assists in correcting performance anomalies, and provides historical reporting for trend analysis and Service Level Agreement (SLA) verification.

Other ASG Products that Work with ASG-TMON™ for IMS

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON for MVS for management of MVS, OS/390®, and z/OS operating system performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

ASG-TMON™ for CICS TS/VSE® for Management of CICS TS/VSE Performance

ASG-TMON for CICS TS/VSE is designed from the ground up to support IBM's CICS TS

platform in the VSE/ESA operating system environment. The product contains the same functionality and features as its predecessor, ASG-TMON™ for CICS/VSE®, but the new design offers a substantial reduction in overhead. The package makes it possible to quickly solve performance problems such as CICS lockouts, storage shortages, and poorly designed application code by providing the ability to monitor real-time transactions and resource utilization using either the internal CICS screens or a standalone batch partition.

Other ASG Products that Work with ASG-TMON™ for CICS TS/VSE

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data

ASG-TMON™ for CICS/VSE® for Management of CICS/VSE Performance

ASG-TMON for CICS/VSE is a complete performance management solution for IBM's online and batch teleprocessing monitor and transaction processing system CICS/VSE. It provides a unique drill-down approach for monitoring every area of CICS activity including CICS system performance and task activity, database and 4GL utilization, VM contention, and resource usage.

Other ASG Products that Work with ASG-TMON™ for CICS/VSE®

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data

Database

ASG-TMON™ for DB2® for Management of DB2 Performance

ASG-TMON for DB2 is a complete system for performance management of DB2 on OS/390® and z/OS platforms. TMON for DB2 optimizes the performance of SQL applications by providing insight into the exact statements executed and the resulting resources that are consumed. TMON for DB2 eliminates the guesswork that comes with managing dynamic and static SQL applications.

Other ASG Products that Work with ASG-TMON™ for DB2®

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON™ for MVS for management of MVS, OS/390®, and z/OS operating systems performance
- ASG-TMON™ for IMS for management of IMS performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

ASG-TMON™ for IMS for Management of IMS Performance

ASG-TMON for IMS is a complete system for performance management of IMS DB/DC on OS/390® and z/OS platforms. TMON for IMS monitors IMS transactions, databases, and resources in real time and alerts you before thresholds are reached. TMON for IMS analyzes resource utilization and contention, identifies and assists in correcting performance anomalies, and provides historical reporting for trend analysis and service level agreement (SLA) verification.

Other ASG Products that Work with ASG-TMON™ for IMS

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data

- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data
- ASG-TMON™ for CICS/ESA® for management of CICS/ESA performance
- ASG-TMON for MVS for management of MVS, OS/390®, and z/OS operating system performance
- ASG-TMON™ for DB2® for management of DB2 performance
- ASG-TMON™ for MQSeries® for management of MQSeries systems performance
- ASG-TMON™ for TCP/IP for management of TCP/IP network performance
- ASG-TMON™ for USS for management of UNIX System Services configuration and performance

ASG-SIRF® for CA-IDMS® Performance Analysis

ASG-SIRF (Statistical Interface and Reporting Facility) allows you to perform a comprehensive IDMS performance analysis. SIRF helps you process heavy workloads of online transactions and manage batch processing with minimal computer and human resources.

SIRF collects statistical information and reports on IDMS online transactions, CV batch jobs, and local mode jobs. Local mode SIRF statistics enable your organization to analyze and manage work that must be completed within a tight batch window during extended business hours.

Other ASG Products that Work with ASG-SIRF®

- ASG-PreAlert®/IDMS for CA-IDMS® monitoring
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring

ASG-PreAlert®/IDMS for CA-IDMS® Monitoring

ASG-PreAlert/IDMS is a real-time control system that monitors IDMS activity and helps data centers keep daily system productivity high. On a continual basis, PreAlert helps data processing organizations meet demanding service level requirements and manage growing workloads.

PreAlert provides your technical staff with statistical displays, and alerts them to exception conditions. It corrects problems across single or multiple central versions (CVs) within the IDMS environment. PreAlert helps resolve unexplained system slowdowns or system interruptions. With this application, staff can also analyze and alleviate data dictionary hang-ups, looping, and deadlocks.

PreAlert helps your IDMS professionals handle additional responsibilities while remaining confident in their existing operations.

Other ASG Products that Work with ASG-PreAlert®/IDMS

- ASG-SIRF® for CA-IDMS® performance analysis
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring
- ASG-IMPACT® for complete IT service management

Enabling Technology

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

Originally designed to support enterprise computing and mission-critical applications from the data center outwards, IMPACT has evolved to support the distributed PC environment, numerous network management systems, external customers, service providers, and self-support technologies.

IMPACT's open API allows any mainframe program or process plus processes on Windows® NT/2000 and four UNIX® platforms to open problem tickets in IMPACT, triggering automatic notifications and escalations.

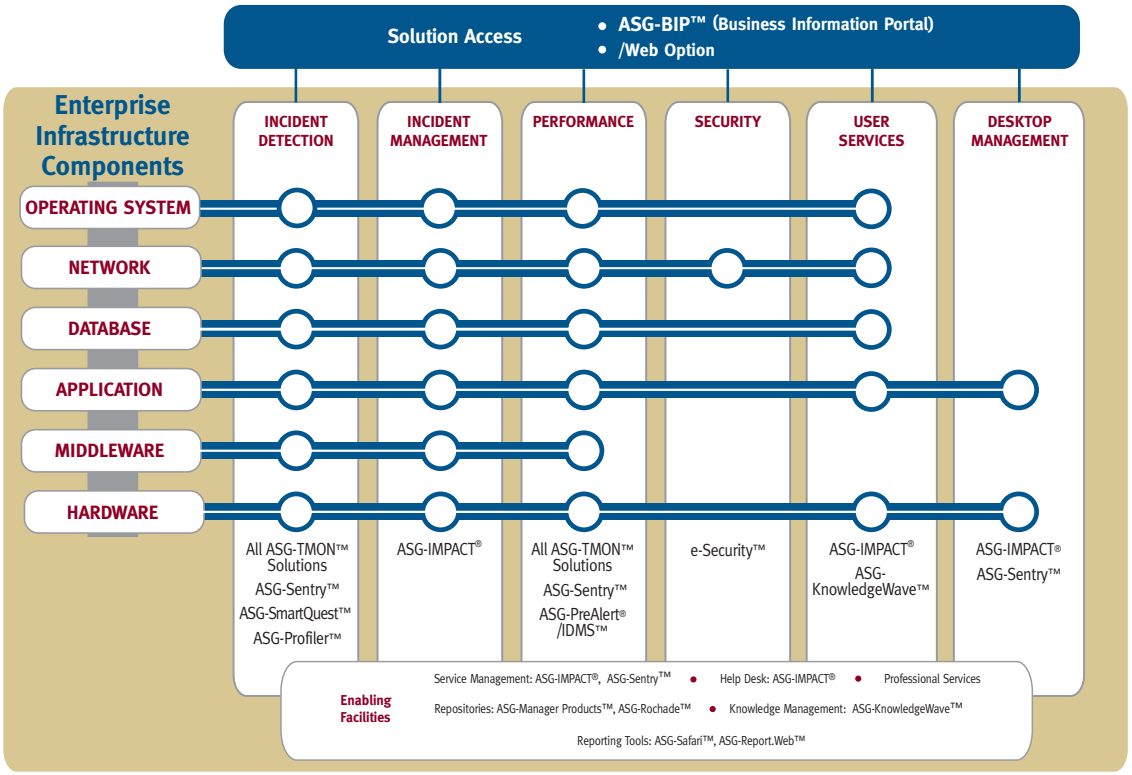
For details on ASG-IMPACT, see page 22.

The present enterprise IT landscape has changed significantly from the high-investment, mega-project environment that prevailed in the past. Most organizations are faced with the challenge to improve security, service, and system availability within tightly constrained budgets. Some organizations tried to address these challenges by purchasing a framework product — only to realize that frameworks have under-delivered on benefits and overrun on costs.

ASG offers another approach. Our Technology Infrastructure Management solution focuses on managing the key events that impact your IT business. Our solution enables your organization to: monitor all critical systems, applications, and potential security liabilities from one integrated console; escalate problems automatically and notify key personnel on a 24x7 basis without 24x7 staffing; and apply proven resolutions to fix problems without "re-inventing the wheel" each time.

A set of infrastructure components — Incident Detection, Incident Management, Performance, Security, User Services, and Desktop Management — supports enterprise infrastructure components such as operating system, network, database, application, middleware, and hardware. The "blueprint" below illustrates the scope and functionality of the ASG Technology Infrastructure Management suite.

ASG Technology Infrastructure Management Blueprint



The technology infrastructure management blueprint represents ASG's solution to cost-effectively manage your IT infrastructure by using fewer resources to monitor key systems and by solving routine problems quickly through the reuse and automation of proven resolutions.

ASG Software Solutions

Access to Technology Infrastructure Management Solutions

Most of the ASG Technology Infrastructure Management solutions are Web-native applications that run from your browser and are all Web-accessible through ASG-BIP™.

For details on ASG-BIP, see page 38.

Incident Detection

Agents monitor the status of virtually any infrastructure component and instantly report any failures, anomalies, or simply report on the status.

ASG-TMON™ for Complete Performance Monitoring and Management

ASG-TMON is a comprehensive solution for performance management and monitoring of MVS, CICS®, DB2®, IMS, VTAM®, TCP/IP, MQSeries®, and UNIX System Services. TMON provides in-depth analysis and displays components that can affect system performance. In addition, TMON gives you easy-to-use diagnostic capabilities for problems with definitions, configurations, applications, sessions, routes, and I/O devices.

Other ASG Products that Work with ASG-TMON™

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data

ASG-Sentry Network Manager™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

Sentry Network Manager is a full-featured network manager that is easy to install, implement, and customize. It is Web-based, allowing secure and unlimited access from any Web browser.

Sentry Network Manager provides customizable alert notification, trend monitoring and forecasting, as well as event management and correlation. It is fully SNMP-compliant and can be integrated into existing network configurations or run independently.

For details on ASG-Sentry Network Manager, see page 30.

ASG-SmartQuest™ for Trapping and Analyzing Application Abends

ASG-SmartQuest™ is a companion to ASG-Existing Systems Workbench™ (ESW®). SmartQuest is an interactive fault analyzer with built-in source language support for COBOL, PL/I, and Assembler. With SmartQuest, your staff has the tools to intercept and capture application information about abends. Navigating application dumps is easy with SmartQuest's user-friendly point and shoot interface. The following SmartQuest options are available:

- ASG-SmartQuest™/MVS
- ASG-SmartQuest™/CICS®

Other ASG Products that Work with ASG-SmartQuest™

- ASG-Existing Systems Workbench™ (ESW®) for applications maintenance and transition
- ASG-IMPACT® for complete IT service management

ASG-Profiler™ for Interactive Monitoring and Analysis of Mainframe Hardware and Media

ASG-Profiler is a user-oriented, PC-based, interactive monitoring, analysis, and measuring system designed specifically to maintain the health of mainframe hardware and media. Profiler automatically maintains a living configuration file of the OS/390® configuration. It collects OS/390 hardware dates and statistics and sends them to a Windows®-based database

for analysis. GUI analytical tools then perform analyses, establish trends, and correlate data. Profiler also supports electronic alerts for all significant events and provides instant access to the current status of the data center.

Incident Management

Any detected incident can trigger a response tailored to the needs of your organization and vary by the time of day, day of week or presence of other incidents.

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

Originally designed to support enterprise computing and mission-critical applications from the data center outward, IMPACT evolved to support the distributed PC environment, numerous network management systems, external customers, service providers, and self-support technologies.

IMPACT's open API allows any mainframe program or process plus processes on Windows® NT/2000 and four UNIX® platforms to open problem tickets in IMPACT, triggering automatic notifications and escalations.

For details on ASG-IMPACT, see page 22.

Performance

ASG provides a broad range of performance and availability monitoring solutions to oversee your critical systems and applications.

ASG-TMON™ for Complete Performance Monitoring and Management

ASG-TMON is a comprehensive solution for performance management and monitoring of MVS, CICS®, DB2®, IMS, VTAM®, TCP/IP, MQSeries®, and UNIX System Services. TMON provides in-depth analysis and displays components that can affect system performance. In addition, TMON gives you easy-to-use diagnostic capabilities for problems with definitions, configurations, applications, sessions, routes, and I/O devices.

Other ASG Products that Work with ASG-TMON™

- ASG-NaviGraph™ for enterprise reporting of ASG-TMON™ trend data
- ASG-NaviPlex™ for enterprise reporting of ASG-TMON™ real-time data

ASG-Sentry Network Manager™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

For details on ASG-Sentry Network Manger, see page 30.

ASG-PreAlert®/IDMS for CA-IDMS® Monitoring

ASG-PreAlert/IDMS is a real-time control system that monitors IDMS activity and helps data centers keep daily system productivity high. On a continual basis, PreAlert helps data processing organizations meet demanding service level requirements and manage growing workloads.

PreAlert provides your technical staff with statistical displays, and alerts them to exception conditions. It corrects problems across single or multiple central versions (CVs) within the IDMS environment. PreAlert helps resolve unexplained system slowdowns or system interruptions. With this application, staff can also analyze and alleviate data dictionary hang-ups, looping, and deadlocks.

PreAlert helps your IDMS professionals handle additional responsibilities while remaining confident in their existing operations.

Other ASG Products that Work with ASG-PreAlert®/IDMS

- ASG-SIRF® for CA-IDMS® performance analysis
- ASG-PreAlert®/MVS for MVS (OS/390®) monitoring
- ASG-IMPACT® for complete IT service management

Security

Our integrated security console brings together all of the components of the security infrastructure, including network hardware and software point products.

e-Security™ for Monitoring and Responding to Network Security Events

e-Security provides a complete view of your security systems from a single, consolidated control center. It receives all of the relevant alert information from various sources distributed throughout the enterprise, prioritizes them with the appropriate severity level, stores the normalized data, and performs correlation. e-Security integrates multi-vendor products into a single real-time holistic view of the security environment.

User Services

Self-support technology allows users to diagnose and solve their own problems using proven resolutions from the IT service desk, report problems on which they require help, and check the status of previously reported problems.

ASG-KnowledgeWave™ for Artificial Intelligence in Expert Systems Development

ASG-KnowledgeWave is the Web-based expert system and knowledge acquisition tool that consolidates the expert knowledge from your company into a single access point and builds Web applications to provide an around-the-clock Web service presence. It also increases profits from e-business initiatives by reducing support costs.

KnowledgeWave transforms static Web pages into pages designed to handle customer inquiries, comments, orders, and other information-gathering tasks. Additionally, it provides a streamlined process for laying out application logic, creating Web pages, and setting up access to data and dramatically reducing the standard development period.

Other ASG Products that Work with ASG-KnowledgeWave™

- ASG-IMPACT® Web consolidated service desk solution
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

Desktop Management

ASG provides broad support for the desktop environment including failure detection, management of desktop hardware and software assets, and complete workflow for requesting, approving, and deploying changes.

ASG-Sentry Network Manager™ for Complete Network Management

ASG-Sentry Network Manager is the primary component in a suite of Web-based network management products that provide complete SNMP network monitoring, management, agent technology, and easy-to-use tools for extending, customizing, and developing a sophisticated network management methodology.

For details on ASG-Sentry Network Manager, see page 30.

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

For details on ASG-IMPACT, see page 22.

Enabling Facilities

In addition to serving specific elements of functionality in the ASG Technology Infrastructure Management suite, a range of ASG software is used across all the elements to provide reporting, data repository, and knowledge management services.

ASG-IMPACT® for Complete IT Service Management

ASG-IMPACT serves as a common solution for all help desks, support centers, and development areas within a typical corporate enterprise.

For details on ASG-IMPACT, see page 22

ASG-Manager Products™ for High-Performance Enterprise Metadata Management

ASG-Manager Products is a family of technologies providing centralized management of the data that describes information assets in your organization, and the interrogation, display, and exploitation of that data. The Manager Products family provides out-of-the-box support for many metadata sources and predefined repository information models (RIMs) at software development and production organizations. These models can also be easily customized for your enterprise.

ASG-ManagerView™ provides workstation-based graphical information engineering. ManagerView is a direct window to the Manager Products repository, and allows you to display repository information in graphical terms. Browser-based access to the Manager Products repository is provided by ASG-Web Enabler™, which allows you to access and update the ASG-Manager Products repository at any time, from any Web browser.

For details on ASG-Manager Products, see page 20.

ASG-Rochade™ for Distributed Enterprise Metadata Management

ASG-Rochade, the industry-leading metadata repository, provides a central point for collection, control, management, and reuse of information assets. Rochade enables effective management of metadata in a complex environment. Whether it is versioning, configuration management, or security at the most detailed level, Rochade provides support for your metadata management strategy.

Rochade provides metadata interfaces to common programming languages, databases, and development management and data-management technologies. Facilities are provided to create custom metadata interfaces using the Rochade Procedure Language (RPL), and the Rochade Java API. The Rochade SAX API enables import and export of XML. Rochade also supports browser-based access through ASG-Rochade WebAccess™.

For details on ASG-Rochade, see page 21.

ASG-KnowledgeWave™ for Artificial Intelligence in Expert Systems Development

ASG-KnowledgeWave is the Web-based expert system and knowledge acquisition tool that consolidates the expert knowledge from your company into a single access point and builds Web applications to provide an around-the-clock Web service presence. It also increases profits from e-business initiatives by reducing support costs.

KnowledgeWave transforms static Web pages into pages designed to handle customer inquiries, comments, orders, and other information-gathering tasks. Additionally, it provides a streamlined process for laying out application logic, creating Web pages, and setting up access to data and dramatically reducing the standard development period.

Other ASG Products that Work with ASG-KnowledgeWave™

- ASG-IMPACT® Web for Net-native IT Service Mangagement
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes

ASG Software Solutions

ASG-Safari InfoTools™ for Business Analytics and Data Management

ASG-Safari InfoTools is a business analytics and data management solution that spans the spectrum of reporting requirements — from simple, ad-hoc queries to intricate production reports. By providing controlled access to virtually any data source — spreadsheets, report writers, OLAP systems, statistical packages, etc. — InfoTools guarantees maximum connectivity and performance.

Other ASG Products that Work with ASG-Safari InfoTools™

- ASG-Report.Web™ for enterprise legacy/ERP report publishing
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Safari InfoServer™ for data management

ASG-Report.Web™ for Enterprise Legacy/ERP Report Publishing

ASG-Report.Web provides secure, efficient, and cost-effective report distribution by Web-enabling host-generated reports to be viewed on corporate intranets or extranets. Report.Web supplies your administrators with a powerful server engine to publish and manage company reports — daily, weekly, or any time. End-users are able to view their reports through a robust, fully functional Web viewer, and receive their reports extracted into familiar spreadsheet formats. Engineered specifically for the Web, Report.Web offers a complete alternative to the high costs and time constraints associated with printing and distributing.

Other ASG Products that Work with ASG-Report.Web™

- ASG-Outbound Express™ for mainframe-centric file transfers
- ASG-Outbound Enterprise™ for open-platform file transfers
- ASG-Safari™ for business analytics and data management
- ASG-WebDocumentz™ for Web-based knowledge management
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Sync™ for managing data batches
- ASG-BIP™ (Business Information Portal) Web interface for critical applications and core processes
- ASG-Sync™ for managing data batches

VSE Migration Solutions

ASG-Cortex-MI™ Suite for System Migration

ASG-Cortex-MI consists of two migration products: ASG-Cortex-MS™ and ASG-Cortex-RE™. Generally, the switchover to the Cortex model can be accomplished in a single weekend, ensuring that operations and development are not disrupted. The migration products load the production database (PDB) operations repository and enable ASG-Cortex-Pdb™ to generate highly standardized JCL to load a job scheduler's database, if required. After migration, you can install additional ASG-Cortex-OMS™ (Operations Management System) functions to enhance productivity and overall control.

ASG-Cortex-MS™ (Migration System) for Conversion from VSE/ESA to z/OS or OS/390®

ASG-Cortex-MS is a set of customizable software tools and a method for migrating an IT center from VSE/ESA operating systems to z/OS or OS/390. It automates most of the tasks involved in migration without disruption in day-to-day IT production. Without Cortex-MS, a complete migration may take six to nine months to complete. Cortex-MS uses the *en masse* switchover technique, making it possible to migrate all of your applications in just a couple of days.

Other ASG Products that Work with ASG-Cortex-MS™

- ASG-Cortex-Pdb™ (Production Database) for documenting application objects and attributes
- ASG-Cortex-OMS™ for planning, scheduling, and controlling IT production operations
- ASG-Sync™ for managing data batches
- ASG-Rochade™, ASG-MethodManager™, and ASG-Vista™ for documenting IT production operations

ASG-Cortex-RE™ for Smooth JCL Standard Implementation

ASG-Cortex-RE populates the ASG-Cortex-Pdb™ repository with the analysis data of your current OS/390® operations and ensures the implementation of new JCL standards.

ASG Professional Services

As the premier source for understanding, managing, and extending existing systems, ASG Professional Services help you fully realize your investment in enterprise software solutions as you improve the productivity of your enterprise systems. ASG's Services Team offers a variety of services and solutions to help you gain real insight into your business as you realize exceptional productivity gains and return on your IT investments.

Our highly trained and product-qualified team will assist you to ensure the successful implementation of your software, including configuration, installation, and customization. From the first contact with your project team, our objective is to understand your strategy, identify your business issues, and determine the correct approach to satisfy your requirements. After a thorough analysis, a comprehensive plan is developed that specifically outlines the steps to success. ASG Services not only helps you implement the right solutions and unleash the potential of your ASG products, it also ensures that your staff is equipped to keep those solutions running efficiently.

ASG
Software Solutions

About ASG

ASG is a privately held global enterprise software and professional services firm with a full range of software solutions in applications management, operations management, performance management, information management, and technology infrastructure management. Founded in 1986, ASG has 1,000 employees, and $200 million in revenues. Serving the majority of Global 5000 firms, ASG has 7,000 customer sites and 18,000 software licenses worldwide.

ASG clients include industry leaders such as Air France, American Express, Coca Cola, Daimler Chrysler, General Electric, IBM, Lockheed Martin, Merrill Lynch, Procter & Gamble, Telecom Italia, Toyota, and Wells Fargo.

Product Development

To support our clients' transition to an e-business model, ASG is committed to staying on the cutting edge of technological breakthroughs in business solutions. ASG combines development, acquisition, and strategic client partnerships to provide integrated business solutions that manage existing mainframe and non-mainframe operations and applications. ASG assigns a major part of its resources to research and development. At present, our development department consists of more than 300 people in six major groups in North America and Europe.

ASG is headquartered in Naples, Florida, USA, with 30 offices throughout the Americas, Europe, Middle East, Africa, and Asia.

Product Support

ASG provides support throughout the world to resolve questions or problems regarding installation, operation or use of our products. We provide all levels of support during normal business hours and emergency support during non-business hours. For complete details on ASG product support and how to contact the support department, please visit the Support area of asg.com.

Product Licensing

ASG is committed to combining exceptional technologies with innovative and cost-effective licensing models. All ASG owned solutions may be licensed individually, as part of a solution set, or as a complete portfolio. Our commitment to delivering value begins with your first licensed product and grows with you as your term, capacity, and product requirements grow, meeting the demands of your changing technology environment.

ASG partners with clients to improve productivity and significantly enhance performance through the intelligent use of technology

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