

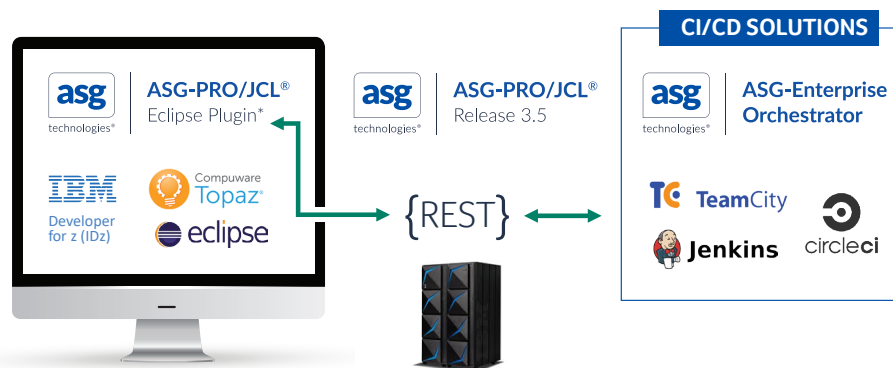
ASG-PRO/JCL®

For Advanced Production JCL Management

Today's IT environment is more complex than ever. Efficiency and standardization initiatives coupled with legacy modernization projects demand powerful, yet easy-to-use automation tools. ASG-PRO/JCL is designed to help engineers operate a streamlined production Job Control Language (JCL) environment on the z/OS mainframe. ASG-PRO/JCL increases throughput and reduces costs by creating an error-free, standardized, and optimized ecosystem.

This solution automates JCL error detection, standards enforcement, and routine changes required by the application development cycle. The powerful REXX APIs also facilitate both detailed analysis of the JCL and changes needed to standardize, convert, or clean the libraries. Developers can use the traditional ISPF interface, the Eclipse IDE, Compuware Topaz® Workbench and IBM IDz. In addition, the RESTful web services strengthen the DevOps toolchain by providing an API for integration with automation solutions.

The Eclipse plugin streamlines engineering by integrating JCL management tasks with mainframe application development workflows inside a developer's DevOps user interface. They do not have to switch context to work in a 3270 greenscreen, thereby reducing the time and cost of maintaining well-formed production JCL.



JCL Management in the DevOps Toolchain

COMPLETE VALIDATION PREVENTS ERRORS

It is critical to any IT operation that production JCL used to run batch processing remains error-free. Preventable errors not only waste valuable time, but also waste critical resources. Tight budgets are always a concern, and that is the reason it is important to accurately manage JCL assets.

ASG-PRO/JCL processes the entire JCL job stream. It simulates what the z/OS operating system would do by expanding called PROCs and INCLUDEs, resolving backward references, substituting symbolic variables, and applying overrides. This ensures that the complete JCL workflow is ready for validation. During this job stream process, each JCL step is evaluated for correctness according to z/OS rules.

MAIN FEATURES

- Includes traditional ISPF, as well as an Eclipse plugin for Compuware Topaz Workbench and IBM IDz
- Includes RESTful web services API to automate ASG-PRO/JCL scans in a DevOps toolchain environment
- Detects syntax and run-time JCL errors, including Db2 and IMS, by simulating execution of the JCL by interfacing with the z/OS operating system
- Validates JCL across multiple LPARs
- Checks JCL in the test environment against the production environment
- Enforces site-specific standards for improved compliance
- Implements one-time or routine global changes
- Reformats JCL statements according to specifications
- Interfaces with library management, tape management, change control, schedulers, and other data center software products

Syntax validation locates invalid parameters and format errors. Run-time validation identifies missing data sets, PDS members not found, and other resources that are required for a successful job run. ASG-PRO/JCL also validates SMS parameters, reads ACS routines, and checks for invalid or missing IMS and Db2 database parameters. By detecting inconsistencies before execution, it ensures an error-free production run.

MAXIMUM FLEXIBILITY AND AUTOMATIC STANDARDS ENFORCEMENT

ASG-PRO/JCL's JCL Manipulation Processor (JMP) is an integrated facility that enables the user to analyze member content, complete job streams, or entire JCL libraries. Every element of a job stream is available for analysis, validation for standards compliance, and application of change rules. The JMP facility allows the user to customize ASG-PRO/JCL to address site-specific requirements.

Implementing JCL standards for naming conventions and data set allocations, ASG-PRO/JCL structures JCL statements and validates site-specific parameters to provide tangible performance and productivity benefits. ASG-PRO/JCL facilitates the automation of JCL standards enforcement across the entire JCL lifecycle and performs conversions with the least amount of manual intervention. Standards violations, such as space allocations falling outside an acceptable range, can be detected and JCL can then be brought into compliance automatically.

INTELLIGENT JCL CHANGE SUPPORTS DATA CENTER PROJECTS

ASG-PRO/JCL provides a comprehensive means of making global or selective changes to an entire production environment, including JCL libraries, PROCLIBs, JCLLIBs, and control card libraries. This is especially useful when standardizing data set naming conventions, which could be the case due to a data center consolidation project. The combination of JCL-specific intelligence and JMP routines enable the user to automate complex change projects, such as conversions, consolidations, and new naming conventions. Automatic changes may be made globally or conditionally based on rules, including calculations.

REFORMATTING JCL IMPROVES PRODUCTIVITY

ASG-PRO/JCL automatically reformats JCL and control statement members, as well as reorders statements and parameters according to format specifications. These changes address the overall look-and-feel of JCL statements, across an application, and throughout an entire data center. The JCL should appear professional and be easily maintained by the JCL novice, as well as the seasoned professional. Consistency throughout any IT operation will enhance productivity and efficiency.

ASG's powerful JCL management solution is designed to help data centers achieve and operate a production JCL environment that is error-free, standardized, and optimized.

BENEFITS

- Eliminate costly re-running of production jobs, reducing costs
- Meet service level agreements more reliably increasing customer satisfaction and revenue
- Enforce site standards for easier maintenance and reliability
- Reduce backlog and production turnover, increasing throughput and value delivered by the system
- Reduce the elapsed time of the JCL maintenance cycle, increasing capacity for developers to add more value to the business
- Include JCL management in the DevOps toolchain, reducing the time and cost of maintaining well-formed production JCL

TECHNICAL SPECIFICATIONS

Mainframe Requirements

- z/OS (2.1 or later)
- ISPF for the supported z/OS release

FOLLOW US



www.asg.com

ASG Technologies is a global software company providing the only integrated platform and flexible end to end solution for the information powered enterprise. ASG is the only solutions provider for both Information Management and IT Systems and has over 3,500 customers worldwide. To learn more visit www.asg.com.

ASG Technologies | 1.239.435.2200 or 1.800.932.5536 | 708 Goodlette Road North, Naples, Florida USA 34102 | www.asg.com

© 2020 ASG Technologies Group, Inc.

All products mentioned are trademarks or registered trademarks of their respective holders.

ASG-PRO-JCL_datasheet_20200728en