

ASG-JOB/SCAN®

Comprehensive Production JCL Management

Maintaining Job Control Language (JCL) throughout its lifecycle keeps mission-critical mainframe applications running. ASG-JOB/SCAN®, a full-featured and easy-to-use tool, is the world's most widely used JCL validation and standards enforcement product. It is specifically designed to help any data center developer working in single-system sysplex z/OS environments operate an error-free production JCL environment. With ASG-JOB/SCAN, you can eliminate costly reruns, meet service level agreements, automatically enforce site standards, reduce backlog at production turnover, and improve the overall JCL maintenance cycle.

EXTEND DEVOPS TO MAINFRAME JCL

ASG-JOB/SCAN offers optional DevOps enablement that allows you to include JCL in your DevOps toolchain, thereby strengthening the toolchain and extending modern capabilities to your teams for managing JCL.

ASG-JOB/SCAN's Eclipse-compatible plugin for desktop integrated development environments (IDE) enables your developers to manage JCL within modern interfaces such as Compuware Topaz Workbench, IBM IDz and other IDEs. ASG-JOB/SCAN's RESTful web services API enables your developers to integrate JCL management with continuous integration/continuous delivery (CI/CD) solutions like Jenkins for increased automation that accelerates JCL operations .

KEY CAPABILITIES

- Include JCL management in your DevOps toolchain through leading Eclipse IDEs
- Integrate with CI/CD solutions for increased automation using a RESTful API
- Detect central syntax and runtime JCL errors by simulating the z/ OS operating system
- Enforce site-specific standards for improved compliance
- Implement one-time or routine global changes
- Reformat JCL statements according to user specifications
- Interface with library management, tape management, change control, schedulers, security, and other data center software products



DETECT ERRORS WITH Z/OS® SIMULATION

With the high demand for continuous availability of resources, batch-processing windows are rapidly closing. Due to these diminishing opportunities, it is important to accurately manage JCL assets so that production JCL batch processing operates error-free. ASG-JOB/SCAN processes the entire JCL job stream and then simulates the z/OS operating system. It expands called PROCs and INCLUDEs, resolves references, substitutes symbolic variables and applies overrides.

ASG-JOB/SCAN then effectively detects JCL errors that may abend. 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 successful job runs. Detecting inconsistencies before execution ensures error-free production runs and service level agreements are met.

```

PS101AC7 JOB (10074), 'CA7 ANALYSIS', JOB01035
MSGLEVEL=(1,1),
MSGCLASS=X,
CLASS=A,NOTIFY=PS101A
*****
/*
/* TO RUN ANALYSIS MAKE THE CHANGES TO THE FILE NAMES BELOW.
/* ALL CHANGES ARE MARKED WITH TWO LINES OF *
/* IF FURTHER DOCUMENTATION OF JOB IS NEEDED REFER TO PRODUCTION *
/* VERSION IN ZEKE.CONV.JCL.LIB(CONCA745)
/*
*****
JOBLIB DD DSN=ZEKE.CONV.CA7110.LINKLIB.DVLP,DISP=SHR
DD DSN=ZEKE.CONV.CA7110.LINKLIB,DISP=SHR
DD DSN=OASIS.SPTDTA.ZEKE.LINKLIB,DISP=SHR
DD DSN=ZEKE.CONV.LINKLIB.DVLP,DISP=SHR
DD DSN=ZEKE.CONV.LINKLIB,DISP=SHR
DD DSN=ZEKE.R540A.LINKLIB,DISP=SHR
DD DSN=OASIS.R270A.LINKLIB,DISP=SHR
CONVERT EXEC PGM=ZVCVTCA,REGION=0K,PARM='SUBSYS=PS54'
/*
/* NOTE: IF JCLIN DD IS DUMMIED POSSIBLE 0C4, U11RMT NOTFND ABEND
/* NOTE: IF JCLOUT DD IS DUMMIED POSSIBLE 0C4
/*
JCLIN DD DISP=SHR,DSN=ZEKE.CONV.CA7.INTEGRYS.JCLIN.NEW
/*
/* JCLOUT DD DSN=ZEKE.CONV.CA7.INTEGRYS.JCLOUT
  
```

Developers using ASG-JOB/SCAN within IBM IDz can double-click on errors in the Problems view and automatically taken to the correct line in the code to make the fix.

ENFORCE STANDARDS, AUTOMATE CHANGE

Site-specific JCL standards identify keyword and parameter values that ensure each job will run as expected within the data center environment. Automation is important to accurately enforce every standard, every time. ASG-JOB/SCAN automates the enforcement of JCL standards. It includes an advanced online prompter to expedite the creation of standards rules, as well as facilitates placement of the standards manual online for easy access. In addition, ASG-JOB/SCAN provides flexibility by supporting standards written in COBOL, PL/I, and Assembler. By implementing ASG-JOB/SCAN, operators and programmers will enjoy the benefits of automation without complex commands or nonstandard languages to slow them down.

Changes to the JCL are inevitable. Application development checks out the JCL members from the production library, JCL changes are made, the JCL members are validated, site standards are enforced, and the modified JCL is promoted into the production library. ASG-JOB/SCAN's easy-to-use change commands automate JCL changes for new naming conventions and production turnover. Changes, additions and deletions can either be global or based on user-specified conditions.

CONSISTENT FORMATTING HELPS PRODUCTIVITY

Consistent JCL formats help improve productivity and efficiency. If all JCL statements across all JCL members are consistent, programmers and production control analysts have a common basis to discuss jobs. This will help them to quickly identify and resolve any problems that arise. ASG-JOB/SCAN also reformats JCL according to your table-driven format specifications and simulates changes before they are made.

TECHNICAL SPECIFICATIONS

Mainframe Requirements

- z/OS or OS/390
- TSO
- ISPF