$AVRS is the Sysout/Syslog Accumulation Viewing & Retrieval Component of SEA Output Management Solution. $AVRS is designed to significantly reduce the personnel & system resources required to handle Sysout, Syslog & JES datasets, & to facilitate archival & audit requirements for job logs. SEA advanced Middleware Technology provides a bridge to integrate other platform System Logs into the $AVRS platform.

**$AVRS FEATURES & BENEFITS**

**RESOURCE EFFICIENCY**

$AVRS state-of-the-art database compresses all online data for efficient use of DASD space. The key features of $AVRS database are:

- Self-Optimizing Database (VSAM Structure)
- Dynamic Space Reuse
- Automated Archive/Purge Process
- Data Compression
- Database Retention, cycle definitions
- Store up to 35 Sysout classes of output.
- The database has extended capabilities that support up to 1 Terabyte of information online.

**ACCUMULATION & ARCHIVE/BACKUP**

- Flexible Archive History Retention
- Multi-Level Archive Grouping
- Automated File Stacking
- Online/Batch Restore Facility
- Incremental Capability
- Duplex for DR purposes
- Archive Facility allows users to assign work to specific archive files.
- Up to 94 separate archive files may be created in a single archive

**ONLINE VIEWING OPTIONS**

$AVRS supports TSO, ISPF, VTAM, CICS & Roscoe E/TSO. $AVRS use of IBM standards ensures a minimal learning curve.

**INFORMATION FEATURE**

- Provides formatted summary information about executed jobs, JCL errors & system or user messages

**BROWSE FEATURE**

- Provides a view of all output lines from work currently in the $AVRS database

**ANNOTATION & ACKNOWLEDGMENT FEATURE**

- Allows users to add commentary & other information to be associated with a job’s output
OUTPUT MANAGEMENT

SEARCH CRITERIA

---$AVRS (C) 1982, 2008 CSI ---- PRIMARY CONTROL PANEL ---- REL 5.2B-08

COMMAND ==> 

<< SOFTWARE ENGINEERING OF AMERICA >>>

Primary Filters:
- NAME ==> C#
- THRU: ==> 
- TYPE ==> JN
- SYSTEM ID ==> SYSLG ID ==> 
- NUMBER ==> 

Date Filters:
- END: --> 

Other Filters:
- SELECT RULE ==> 
- RETURN CODE ==> 00C4 
- ACK CODE ==> 
- PGMER NAME ==> 

Other Controls:
- SORT FIELD ==> RANGE: ==> (Y/N) 
- A/R: ==> 0 
- CONF DELS: ==> Y 

Site Information:
- SYSLG ID(S): LOG 
- $AVRS Sysout Accumulation
- Viewing/Retrieval System

RESULTS

- FRI 09 AUG 2013.221 ----- $AVRS JOB SELECTION -------------- ROW 1 OF 2

COMMAND ==> SCROLL ==> HALF

B=BS,S=FILE,P=PRF,I=INF,D=DEL,0=DDS,A=ANN,E=EDT 

SEL# ACT JOBNAME JOB-# C ACK CCODE START DATE TIME FILES 
- 1 C1125XPR 0009118 1 00C4 THU 23 JUL 1992.205 10:30 3 
- 2 C1125XPR 0009129 1 00C4 THU 23 JUL 1992.205 10:37 5 

*********************************************************************** END OF DATA **********************************************************************

ANNOTATE

---$AVRS ACKNOWLEDGMENT/ANNOTATION FOR: C1125XPR ( J0009118 ) ---

COMMAND ==> USERID --- DATE --- TIME --- COMMENTS ( UPDATE COMMAND: UPDATE or SAVE or EXIT ) 

ACKNOWLEDGEMENT CODE ==> (1-6) 

SEAI 08/09/13 14:30.59 SOC4 HAS BEEN ASSIGNED TO PAYROLL DEV, SUPPORT

ADMINISTRATION

- Flexible backup controls
- Ability to accumulate or re-spin work based upon:
  - Exceptional condition codes
  - Character strings
  - Maximum number of lines
  - System dump (IBM, Abend Aid, etc.)
- Ability to manage SYSLOGS from multiple systems in the same output class.
- Reduce human intervention required to review failed jobs, JCL errors & other log message output
- Provides a comprehensive reporting facility that enables the formatted presentation of information stored on the product's database & on jobs processed by the product

INTERFACES

- $AVRS interfaces with external security systems such as RACF, ACF2 & TOP-SECRET in addition to having its own internal security.
- $AVRS is JES-transparent. It runs as an external writer & is treated by JES as if it were a printer.
- JES will give output to $AVRS based on class.
- Up to 8 accumulation classes can be defined in $AVRS.
- $AVRS provides full printer function support, including AFP (IBM) & DJDE (XEROX).
OPERATING PLATFORM
$AVRS works with the z/OS operating system using JES2 or JES3. It is a non-intrusive based system; it does not require hooks or system IPL. The product optimally uses system resources to improve I/O operations, memory & CPU consumption. $AVRS requires a started task to receive reports sent to designated Sysout classes.

HARDWARE/SOFTWARE REQUIREMENTS
$AVRS runs on all levels of z/OS, JES2 & JES3

$AVRS SYSOUT-SYSLOG MANAGEMENT

SEA - SOFTWARE ENGINEERING OF AMERICA
Established in 1982, Software Engineering of America (SEA) has built a worldwide reputation as a leading provider of IBM Mainframe and IBM i optimization, automation and security solutions with products licensed at thousands of enterprises worldwide, including 9 of the Fortune 10 and over 85% of the Fortune 500. SEA provides a full line of mainframe solutions covering all aspects of automation and optimization including Batch Performance & Optimization, JCL Management, Report & Output Management, RACF Security Management, Console Automation and a full line of IBM i Security and System Monitoring solutions.