



# \$avrs

Output Management

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\$AVRS is the Sysout/Sylog Accumulation Viewing & Retrieval Solution of SEA's Output Management Suite. The product is designed to significantly reduce the personnel & system resources required to handle Sysout, Syslog and JES datasets. \$AVRS also facilitates archival and audit requirements for these critical resources. Its advanced Middleware Technology provides a bridge to integrate other platform System Logs into the \$AVRS platform.

## \$AVRS Features & Benefits

### Resource Efficiency

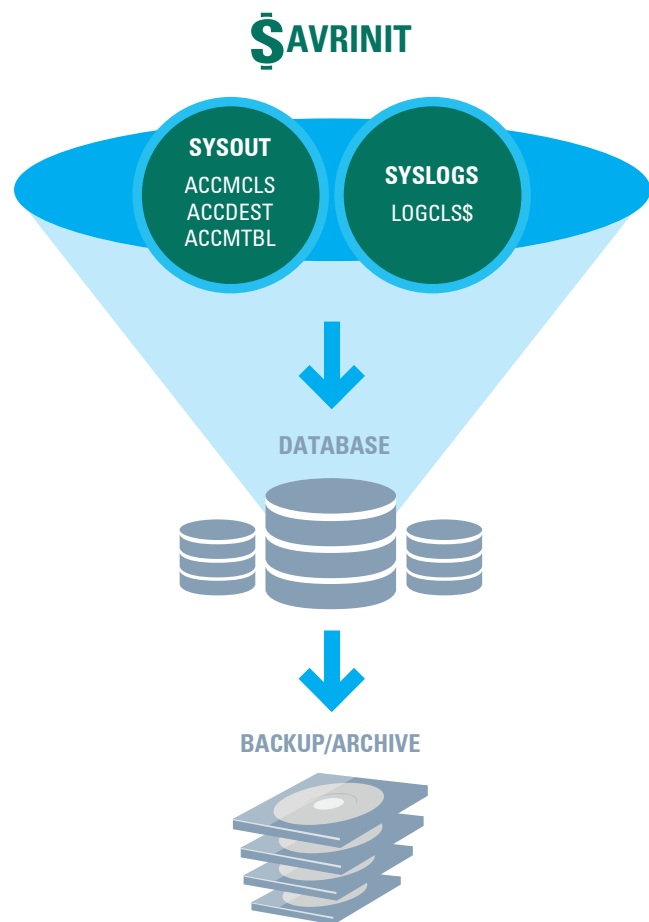
\$AVRS state-of-the-art database compresses all online data for space efficiency. Some of its key features are:

- 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.
- Data elasticity to support data growth demands

### Accumulation & Archive/Backup

- Custom retention periods can be assigned to individual jobs & job classes
- 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

## Accumulation & Archive Backup



### Web UI Add-on

The \$AVRS Web UI add-on enables users to perform the full range of output management functionality within a Web browser, including printing, saving, archiving, restoring and resubmitting jobs. \$AVRS Web UI modernizes output management, enabling access and flexibility beyond using 3270 sessions. Browser access provides an efficient, familiar interface for any mainframe user who prefers working in a graphical environment.

### Online Viewing Options

\$AVRS supports TSO, ISPF, VTAM, & CICS. \$AVRS use of IBM standards ensures a minimal learning curve. \$AVRS also includes a Web UI add-on, allowing users, allowing users to browse and annotate all output as well as access system & user elements from any device.

```

-----$AVRS (C) 1982,2017 SEA ---- PRIMARY CONTROL PANEL ---- REL 7.02040
COMMAND ==>
SAVRS 7.02

Primary Filters:
NAME      ==>      THRU: ==>      SYSLOG ID ==>
TYPE      ==>      J0              SYSTEM ID ==>
NUMBER    ==>

Date Filters:
DATE      EXTENDED DATE      TIME      HH:MM
SYSTEM    THU 29 APR 2021.119      15:07
START     ==>
END       ==>

Other Filters:
SELECT RULE ==>
RETURN CODE ==>
PGMR NAME ==>

Other Controls:
SORT FIELD ==>
SORT A/D   ==> A

Site Information:
SYSLOG ID(S): LVL2

LICENSED BY SEA INC.
    
```

\$AVRS can be viewed from  
standard IBM interfaces or  
from a Web UI add-on

The screenshot shows the \$AVRS Web UI interface. At the top, there is a search bar and a 'Refine Search Results' button. Below this is a table with columns: Job Name / Syslog ID, Job Number, Message Class, Ack. Code, and Start Date and Time. The table contains several rows of data, with the last row highlighted in orange. At the bottom, there is a pagination bar showing 'Page: 3/11' and buttons for 'First', 'Previous', '1', '2', '3', 'Next', and 'Last'.

Job Name / Syslog ID	Job Number	Message Class	Ack. Code	Start Date and Time
DBAJAROT	32816	2		2021-Feb-01T08:47:00
DBAJAROT	1622	2		2021-Mar-25T15:43:00
DBAJAROT	19711	2		2021-Apr-27T16:18:00
DBAJAROT	19715	2		2021-Apr-27T16:23:00
DBAJAROT	20181	2		2021-Apr-28T15:00:00
DBAJAROT	20272	2		2021-Apr-29T12:58:00

### Information Feature

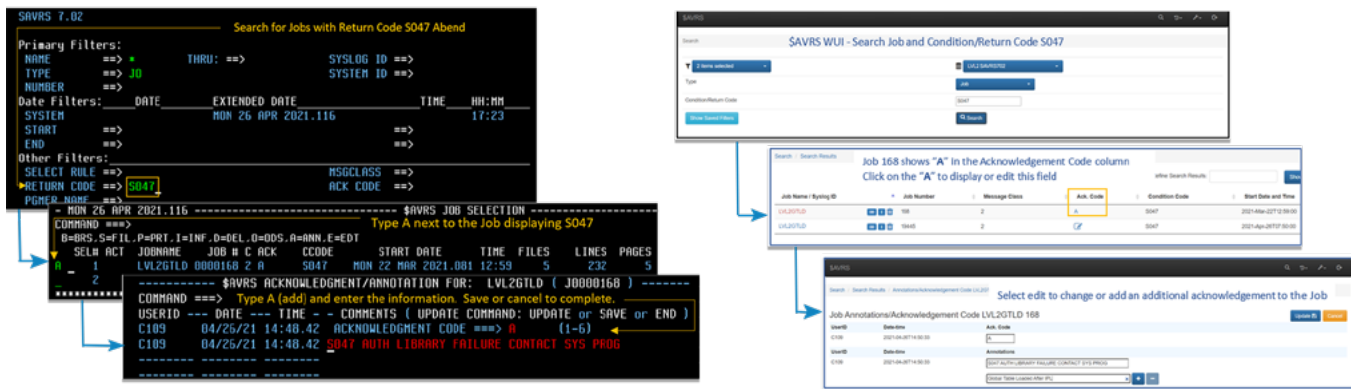
- Provides formatted summary information about executed jobs, JCL errors & system or user messages

### Browse Feature

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

### Annotation & Acknowledgement Feature

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



Information can be associated with a job's output by using a 3270 screen or the Web UI

### 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.)

### Interfaces

- \$AVRS interfaces with external security systems such as RACF, ACF2 & TOP-SECRET and enables control down to the individual DD level.
- \$AVRS is JES-transparent. It runs as an external writer & is treated by JES as if it were a printer.
- 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

- 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).

### Sysout Integration with Access from other Environments

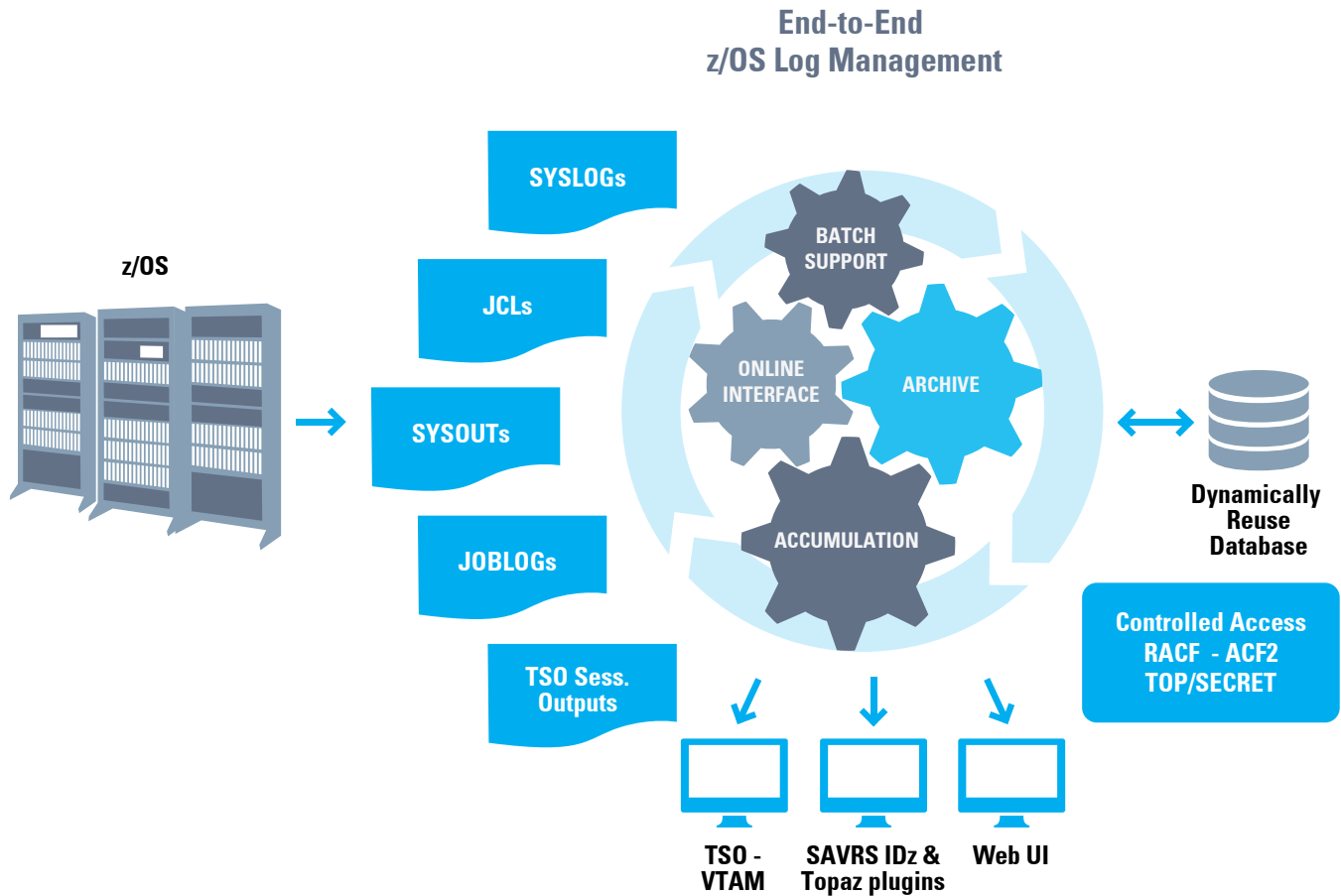
\$AVRS offers a set of stateless RESTful APIs, that conform with the REST architecture. Our RESTful API add-on allows users to integrate \$AVRS data into other applications, scripts, or programs, running on non-IBM Z systems, such as Windows, Linux, mobile, Web, and IOT devices.

### 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



## About SEA

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.