



\$avrs

Output Management

SEA[™]

Software Engineering of America
info@seasoft.com | www.seasoft.com | 516.328.7000

\$AVRS is the Sysout/Syslog Accumulation Viewing & Retrieval Solution of SEA's IBM Z Output Management Product Suite. \$AVRS significantly reduces personnel and system resources required to handle Sysout, Syslog, and JES datasets. It also facilitates the archival and audit requirements for these critical resources. \$AVRS Advanced Middleware Technology provides a bridge to integrate other platform's system logs into the \$AVRS platform. Learn more about the \$AVRS features and benefits below.

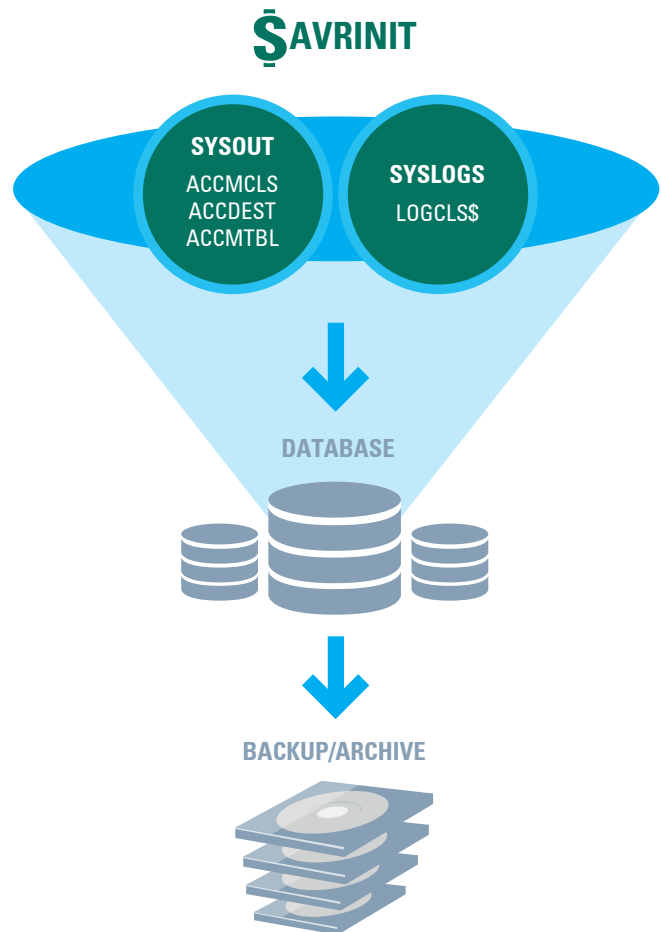
Resource Efficiency

\$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
- 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
- Data Compression
- Database Retention & Cycle Definitions
- Storage space up to 35 Sysout classes of output
- Data elasticity to support data growth demands

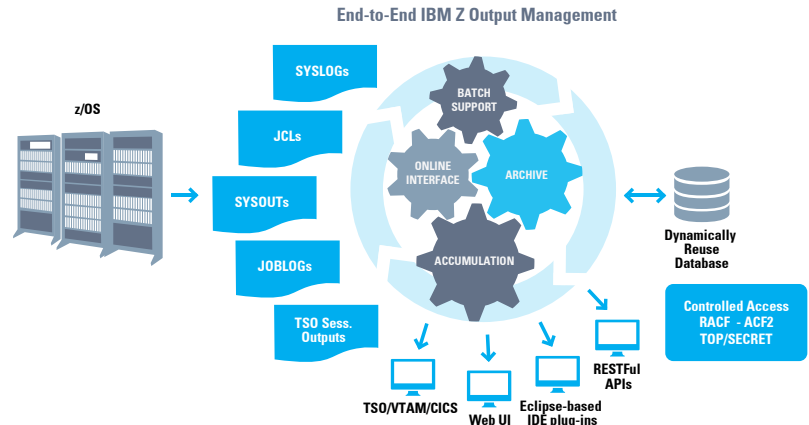
Accumulation & Archive/Backup

- Custom retention periods can be assigned to individual jobs & job classes
- Flexible Archive History Retention



Online Viewing Options

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



REST Web UI Add-on

The \$AVRS REST 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 REST Web UI add-on modernizes output management, enabling access and flexibility beyond using 3270 sessions. Browser access provides an efficient, familiar interface for any Mainframe or non-Mainframe user who prefers working in a graphical environment.

```

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

Primary Filters:
NAME ==> THRU: ==> SYSLOG ID ==>
TYPE ==> 10 SYSTEM ID ==>
NUMBER ==>

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

Other Filters:
SELECT RULE ==> MSGCLASS ==>
RETURN CODE ==> ACK CODE ==>
POWER NAME ==>

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

Site Information:
SYSLOG ID(S): LVL2 $AVRS Sysout Accumulation
Viewing/Retrieval

LICENSED BY SEA INC.
    
```

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

Job Name / Syslog ID	Job Number	Message Class	Ack. Code	Start Date and Time
DBAJARDT	32516	2		2021-Feb-01T06:47:00
DBAJARDT	1622	2		2021-Mar-25T16:43:00
DBAJARDT	19711	2		2021-Apr-27T16:18:00
DBAJARDT	19715	2		2021-Apr-27T16:23:00
DBAJARDT	20181	2		2021-Apr-28T16:08:00
DBAJARDT	20272	2		2021-Apr-28T12:58:00

Integrating IBM Z Output

\$AVRS offers a set of documented stateless RESTful APIs that conform with the REST architecture. The 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.

Integrated Development Environment (IDE) plug-ins integrate \$AVRS functionality directly into Eclipse-based IDEs such as BMC AMI DevX Workbench for Eclipse, IBM Developer for z/OS (IDz) as well as other Eclipse-based IDEs.

Z Output Review & Reporting

- Reduces human intervention required to review failed jobs, JCL errors and other log message output
- Provides a comprehensive reporting facility that enables the formatted presentation of information stored on the product's database or jobs processed by the product
- JES will give output to \$AVRS based on class providing up to 8 accumulation classes at a time
- \$AVRS provides full printer support including AFP (IBM) and DJDE (XEROX)

Annotation & Acknowledgment Feature

This feature allows users to add commentary and other information to be associated with a job's output. Annotation, acknowledgment, and commentary information can be associated with a job's output by using a 3270 screen or the \$AVRS Web UI.

Information Feature

- Intuitive 3270 UI will quickly become familiar to frequent System Display and Search Facility (SDSF) users
- Provides formatted summary information about executed jobs, JCL errors and system or user messages

Browse Feature

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

Administration

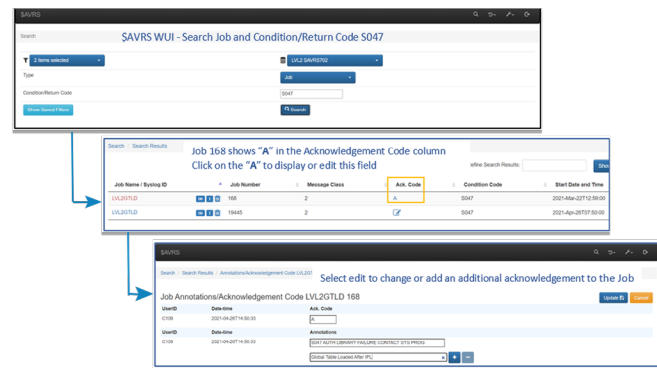
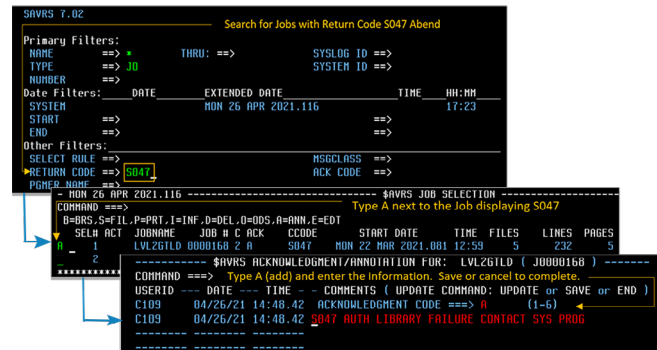
- Flexible backup controls
- Ability to accumulate or re-spin work based upon:
 - Exceptional condition codes
 - Character strings
 - Maximum number of lines
 - System dump (IBM, Abend-Aid etc.)

Interfaces

- \$AVRS interfaces with external security systems such as RACF, ACF2 and TOP-SECRET to enable control down to the individual DD level
- \$AVRS is JES-transparent, runs as an external writer, and is treated by JES as if it were a printer
- Ability to manage Syslog from multiple systems in the same output class

About SEA

Established in 1982, Software Engineering of America (SEA) has built a global reputation as a leader in the field of data center software solutions. SEA is one of the most successful companies in the data center software industry with products used at thousands of installations worldwide. Over 10,000 data centers utilize one or more of SEA's products including 9 of the Fortune 10 as well as 90% of the Fortune 500. SEA offers 24/7/365 live customer support, "no charge" conversion assistance, and an unwavering commitment to nothing less than 100% customer satisfaction.



Operating Platform

\$AVRS works with the z/OS operating system using JES2 or JES3. It's a non-intrusive based system and does not require hooks or system IPL. The product optimally uses system resources to improve I/O operations, memory and 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 and JES3.