zGuard & ZWorkload Reporter

RMF & SMF Customer Security Concerns

Introduction

Banking and financial institutions have raised security concerns regarding releasing the required RMF/SMF Record Types 30, 70-74, 78 and 113 required for SVA Software, Inc.'s zWorkload Reporter and zGuard IPA and EPA Service Offering.
The above-mentioned SMF records help customers to get insights into their system-/machine-performance and systems health status. The system information gathered help to determine the areas for cost- and performance-improvements.

SVA Software, Inc., is a subsidiary of a German company SVA Software Vertrieb Alexander GmbH

Objectives

Help zWorkload Reporter and zGuard customers understand that their data is secure and **RMF/SMF Record Types 30, 70-74 and 113** do not contain any customer data and only contain industry-standard published Performance and Capacity data.

Summary

These RMF/SMF Record Types 30, 70-74 and 113 **do not contain any customer information such as customer names, customer contact information, customer credit card information also known as PII and PHI.** RMF/SMF Record Types 30, 70-74 and 113 are standard Mainframe industry published record types that includes record layout does provide Mainframe Performance and Capacity data.

This Performance and Capacity data helps with understanding and carrying out both zWR and zGuard Performance Monitoring, Performance Tuning Analysis and Performance Studies. Furtheremore, there is secure data transmission of RMF/SMF Record Types 30, 70-74 and 113 via sftp, ftps or Ipsec. Our solutions offer encrypted access to web service via https, as well as isolated zWorkload Reporter environments for each customer via firewall and virtual machines.

Table 1: RMF/SMF Record Types required for zWorkload Reporter and zGuard Reporting

RMF/SMF Record Types	High Level
30	Reports activity on a job or job step basis
70	RMF Processor Activity
71	RMF Paging Activity
72	RMF Workload Activity, Storage Data and Serialization Delay
73	RMF Channel Path Activity
74	RMF Activity of several resources, Device Activity
78	RMF Virtual Storage Activity, Common Storage Data Section
113	Hardware Capacity, Reporting and Statistics

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Data send Process Security

IBM Z Optimization Cloud Reporting Portal is designed to receive daily SMF feeds via various secured protocols, where the customer can select which process fits best. A client extract of the necessary SMF records from each LPAR feeds a JAVA based SVA packaging module to prepare and compress the data before transmission.

After transfer, the SVA Server does pre-process of the packaged data and then imports data into separate client's zWR database. The send "raw" SMF data is deleted automatically after 30 days, only the extracted data stays in the database for at least 1 year. Data is available immediately for interpretation via the customer's unique cloud reporting portal once fully process via the www.

zWR Isolation by Customer

Each customer has it's own logical system and separate databases so that a customer cannot view another customer's data.

zWR Administration component allows only authorized SVA software personal to assign appropriate login username and appropriate role for each customer personnel require access to their own customer zWR data and again is only limited access to their own customer data.

zWR Hosted in Secure Tier XX Us Facility

zWR customer data and databases are located within the United States at a reputable high secure US Facility.

No Real Data, Just Industry Standard RMF/SMF Performance Data

zWR only requires RMF/SMF 30, 70-74, 78 and 113 record type industry-standard Performance data that again does not contain any customer information such as customer names, customer contact information, customer credit card information known as PII and PHP.

These same RMF/SMF 30, 70-74, 78 and 113 records are also the same data required by both IBM and IBM Business Partners to carry out their customers Capacity Planning Modeling Studies.

Interested in taking your Mainframe to the next level?

SVA/Mainline zOptimization offering provides customers with an on-going solution to drive efficiencies from the mainframe, provide insights into advanced tuning optimization and identify potential cost reduction opportunities.

Get zOptimization   **More Information**

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