

## z/OS Data Gatherer Publication Updates SMF Records

Separate SMF record level constants are defined for each subtype of SMF record type 74. The record level for SMF74.8 is increased to x'8F' (SMF748\_SRL) which is stored in RMF product section, field SMF74SRL.

Publication Updates: See in **blue**

**Publication impacted:** z/OS MVS System Management Facilities (SMF) Refresh October-2024

**Record Type:** SMF record type 74

## RMF Product Section

Offsets	Name	Len	Format	Description								
...												
51 33	SMF74SRL	1	binary	<div>SMF record level change number. This field enables processing of SMF record level changes in an existing release.</div> <div>SMF type 74 record levels for the current z/OS release:</div> <table><tr><th>Subtypes</th><th>Record level</th></tr><tr><td>..</td><td></td></tr><tr><td>8</td><td><a href="#">X'8F' (APAR OA66017)</a></td></tr><tr><td>..</td><td></td></tr></table>	Subtypes	Record level	..		8	<a href="#">X'8F' (APAR OA66017)</a>	..	
Subtypes	Record level											
..												
8	<a href="#">X'8F' (APAR OA66017)</a>											
..												

**Record Type:**  
Statistics)

SMF record type 74, subtype 8 (Enterprise Disk System)

### Control Data Section

Offsets	Name	Len	Format	Description	
...					
38 26	R748CFLG	1	binary	Flags:	
				0	Extent Pool Statistics Valid
				1	<a href="#">Extent Pool Statistics Valid 2</a>
				2	<a href="#">Extent Pool Statistics Valid 3</a>
				3-7	Reserved for future use

## Extent Pool Statistics Section

Offsets	Name	Len	Format	Description
...				
3 3	R748XPTQ	1	binary	Extent pool type qualifier:
				0 Data Encrypted Extent Pool
				1 <a href="#">Compression Extent Pool</a>
				2-6 Reserved for future use
				7 <a href="#">Extent Sizes Valid</a>

...												
36 24	R748XTDY	4	binary	Number of extents that were targets of dynamic extent relocations. Valid if bit 0 of R748CFLG is set.								
40 28	R748XEPS	1	binary	Extent Sizes in Extent Pool: (Valid if bit 7 of R748XPTQ is set) <table><tr><td>0</td><td>Reserved</td></tr><tr><td>1</td><td>1 GB Extents (CKD 1113 cylinders)</td></tr><tr><td>2-6</td><td>Reserved</td></tr><tr><td>7</td><td>16 MB Extents (CKD 21 cylinders)</td></tr></table>	0	Reserved	1	1 GB Extents (CKD 1113 cylinders)	2-6	Reserved	7	16 MB Extents (CKD 21 cylinders)
0	Reserved											
1	1 GB Extents (CKD 1113 cylinders)											
2-6	Reserved											
7	16 MB Extents (CKD 21 cylinders)											
41 29	*	3		Reserved								
44 2C	R748XTPC	4	binary	Total Physical Capacity (Units are defined in R748XEPS). Valid if bit 2 of R748CFLG is set.								
48 30	R748XUPC	4	binary	Used Physical Capacity (Units are defined in R748XEPS). Valid if bit 2 of R748CFLG is set.								
52 34	R748XTLC	4	binary	Total Logical Capacity (Units are defined in R748XEPS). Valid if bit 2 of R748CFLG is set.								
56 38	R748XULC	4	binary	Used Logical Capacity (Units are defined in R748XEPS). Valid if bit 2 of R748CFLG is set.								

Rank Statistics Section

Offsets	Name	Len	Format	Description	
...					
56 38	R748RTQ	1	binary	Array device class and Array status:	
				0	Data Encrypted Rank
				1	Compression Rank
				2-6	Reserved for future use
				7	Rank Adapter Pair is valid

Raid Rank Array Data Section

Offsets	Name	Len	Format	Description														
...																		
24 18	R748AACP	4	binary	Array Effective DDM Capacity in GB. For compression drives, this is the Total Logical Capacity.														
28 1C	R748AAST	1	binary	<div>Array device class and Array status:</div> <table><tr><td>0-1</td><td>Array device class</td></tr><tr><td>2</td><td>RAID degraded</td></tr><tr><td>3</td><td>DDM throttling</td></tr><tr><td>4</td><td>RPM exception</td></tr><tr><td>5</td><td>Reserved</td></tr><tr><td>6</td><td>DDM class is compression</td></tr><tr><td>7</td><td>Reserved</td></tr></table>	0-1	Array device class	2	RAID degraded	3	DDM throttling	4	RPM exception	5	Reserved	6	DDM class is compression	7	Reserved
0-1	Array device class																	
2	RAID degraded																	
3	DDM throttling																	
4	RPM exception																	
5	Reserved																	
6	DDM class is compression																	
7	Reserved																	