

IBM Security zSecure V2.4.0, V2.3.1, V2.3.0  
APAR OA59300

*Documentation Updates*  
*SMF Record Types Versus Field Names*





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# Chapter 1. About this document

As a result of APAR OA59300, the tables with predefined SMF record types versus TYPE=SMF field names were updated in the *zSecure CARLa Command Reference*.

**Note:**

- Referenced or linked topics that have not changed are not included in this document. You can find them in the publication that the chapter applies to.
- The *zSecure CARLa Command Reference* is available to licensed clients only. Click on the following links to obtain the licensed documentation for your zSecure version:
  - [Obtaining the licensed zSecure V2.4.0 documentation](#)
  - [Obtaining the licensed zSecure V2.3.1 documentation](#)
  - [Obtaining the licensed zSecure V2.3.0 documentation](#)



## Chapter 2. Tables of fields and record types

This section shows the predefined SMF record types and the fields that belong to these types.

### Record types versus field names

This section lists the predefined SMF record types and the fields found in those records. The list includes only those record types have fields other than the common and RECORDDESC fields, and only those fields that are limited to some SMF record types. The fields that are only found in RACF or ACF2 processing (and other) records are not included; see the "Fields found..." sections listed under [Tables of fields and record types](#).

For the list of fields organized by SMF record types, see the following topics:

- [Predefined SMF record types: fields available by type - SMF record types 4-26](#)
- [Predefined SMF record types: fields available by type - SMF record types 30-52](#)
- [Predefined SMF record types: fields available by type - SMF record types 53-83](#)
- [Predefined SMF record types: fields available by type - SMF record types 90-123, OMEGAMON Commands, DFHSM Function Statistics, ACF2, and Top Secret](#)

#### Notes for the predefined SMF record types:

1. Information for this field is derived using the job-tag cache. If no applicable SMF record is available to fill the job-tag cache, the field is empty.
2. This field is derived using information from a CKFREEZE data set. In the absence of an applicable CKFREEZE or a matching SIMULATE statement, the field is empty.
3. This field is derived from information in the Security database. In the absence of an applicable source, the field is empty.

*Table 1. Predefined SMF record types: fields available by type - SMF record types 4-26*

	4	5	6	10	14	15	16	17	18	19	20	21	24	25	26
ACTION					.	.		.	.						
BOX_SERIAL					<u>2</u>	<u>2</u>		<u>2</u>	<u>2</u>	<u>2</u>		<u>2</u>			
BYPASS					.	.									
BYPASS_REQUEST					.	.									
CALLER_APF					.	.									
CLASS C					.	.		.	.						
COMPLETION_CODE COMPCODE	.	.													
COMPLETION_STATUS COMPSTAT	.	.													
DATACLAS					.	.									
DATASET DSN DSNAME					.	.		.	.				.		
DESCRIPTOR DESC					.	.									
FILE					.	.									
GROUP					<u>1</u>	<u>1</u>	.	<u>1</u>	<u>1</u>		.				
INTENT					.	.		.	.						
JOBCLASS		.													.
JOBELAPSED		.													
JOBID					.	.		<u>1</u>	<u>1</u>		<u>1</u>				.

Table 1. Predefined SMF record types: fields available by type - SMF record types 4-26 (continued)															
	4	5	6	10	14	15	16	17	18	19	20	21	24	25	26
JOBNAME	.	.	.	.	.	.	.	.	.		.		.	.	.
JOBTAG	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>			<u>1</u>	<u>1</u>
KEY_LABEL					.	.									
KEY_LABEL_ENCODING					.	.									
MEMBER					.	.									
MGMTCLAS					.	.									
NAME		.									.				.
PRIV_USER_GROUPS					<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>				
PRIVILEGES					<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>				
PROFILE					<u>3</u>	<u>3</u>		<u>3</u>	<u>3</u>						
PROGRAM	.				.	.									
QUAL					.	.		.	.						
RESOURCE					.	.		.	.						
SENSTYPE SENSITIVITY					<u>2</u>	<u>2</u>		<u>2</u>	<u>2</u>						
SMFUSERID SMFUSER	.	.	.	.	.	.		.	.		.				.
STEPNAME	.				.	.									
STORCLAS					.	.									
SUBSYS_TYPE	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>		<u>2</u>		<u>2</u>	<u>2</u>	<u>2</u>
SYSPLEX					<u>2</u>	<u>2</u>									
TERMINAL					<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>		.				
UNITTYPE					.	.									
USER USERID LOGONID					<u>1</u>	<u>1</u>	.	<u>1</u>	<u>1</u>		.				
USER_GROUPS					<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>				
VOLSER VOLUME					.	.		.	.	.		.			
VOLSER_OR_SMS					.	.		.	.	.		.			

Table 2. Predefined SMF record types: fields available by type - SMF record types 30-52															
	30	32	33	34	35	36	40	41	42	43	45	47	48	49	52
ACTION									.	.	.	.	.	.	.
ADDRESS									.						
BOX_SERIAL						<u>2</u>			<u>2</u>						
CATALOG						.									
CLASS C	.								.						
COMPLETION_CODE COMP CODE	.														
COMPLETION_STATUS COMPSTAT	.														
DATASET DSN DSNAME									.						
DATASET_COMPRESSION_TYPE									.						
DATASET_ENCR_FAMILY									.						
DATASET_ENCR_KEY_LEN									.						
DATASET_ENCRYPTION_TYPE									.						
DESCRIPTOR DESC	.														

Table 2. Predefined SMF record types: fields available by type - SMF record types 30-52 (continued)

	30	32	33	34	35	36	40	41	42	43	45	47	48	49	52
DEVICE									.						
EVENT	.														
EVENTDESC	.														
EVENTQUAL	.														
GROUP	.	.	.						.						
INTENT									.						
JOBCLASS	.														
JOBELAPSED	.														
JOBID	.	.													
JOBNAME	.	.	.	.	.	.	.	.	.						
JOBTAG	<u>1</u>	<u>1</u>	<u>1</u>						<u>1</u>						
MEMBER									.						
MEMBER_ALIAS									.						
MEMBER_OLDNAME									.						
NAME	.	.													
PRIV_USER_GROUPS	<u>3</u>	<u>3</u>	<u>3</u>						<u>3</u>						
PRIVILEGES	<u>3</u>	<u>3</u>	<u>3</u>						<u>3</u>						
PROCNAME	.								.						
PROFILE	.								<u>3</u>						
PROGRAM	.	.		.		.									
QUAL									.						
RESOURCE	.								.						
SENSTYPE SENSITIVITY									<u>2</u>						
SMFUSERID SMFUSER	.	.		.	.	.	.		.						
SRCHOST									.						
SRCIP									.						
STEPNAME	.	.	.	.					.						
STORCLAS									.						
SUBRECNO									.						
SUBRECORD									.						
SUBSYS_TYPE	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>						
TERMINAL	.	.													
TSOCMD		.													
TSOCMDCNT		.													
UNITTYPE	.														
UNIX_ACCESS_INTENT									.						
UNIX_FILENAME									<u>2</u>						
UNIX_FILETYPE									<u>2</u>						
UNIX_FUNCTION									.						
UNIX_PATHNAME									<u>2</u>						
UNIX_PROGRAM	.														
USER USERID LOGONID	.	.	.						.						
USER_GROUPS	<u>3</u>	<u>3</u>	<u>3</u>						<u>3</u>						
UTOKEN									.						

Table 2. Predefined SMF record types: fields available by type - SMF record types 30-52 (continued)

	30	32	33	34	35	36	40	41	42	43	45	47	48	49	52
UTOKEN_FLAGS									.						
UTOKEN_POE									.						
UTOKEN_POE_NETWORK									.						
UTOKEN_POECLASS									.						
UTOKEN_SESSION									.						
UTOKEN_SGROUP UTOKEN_SGRP									.						
UTOKEN_SNODE									.						
UTOKEN_SUSER UTOKEN_SUSR									.						
UTOKEN_XNODE									.						
VOLSER VOLUME						.			.						
VOLSER_OR_SMS						.			.						

Table 3. Predefined SMF record types: fields available by type - SMF record types 53-83

	53	60	61	62	63	64	65	66	67	68	69	80	81	82	83
ACCESS												.			.
ACTION	.		.	.		.	.	.						.	
APPL												.			.
AUTH_USER_HOSTNAME												.			.
AUTH_USER_NAME												.			.
AUTH_USER_OID												.			.
AUTH_USER_REGNAME												.		.	.
AUTHENTICATOR_USED												.			.
BOX_SERIAL		<u>2</u>	<u>2</u>	<u>2</u>		<u>2</u>		<u>2</u>			<u>2</u>	<u>2</u>			<u>2</u>
CALLER_JOBNAME														.	
CATALOG			.	.	.	.	.	.	.	.	.				
CC_ACCELERATOR														.	
CC_CCA_COPROCESSOR														.	
CC_COMPLIANCE_MODE_CHNGD														.	
CC_NUMBER														.	
CC_PKCS11														.	
CC_SERIAL														.	
CC_STATUS														.	
CC_TYPE														.	
CERTIFICATE_ISSUER												.			.
CERTIFICATE_LABEL												.			.
CERTIFICATE_SERIAL												.			.
CERTIFICATE_SUBJECT												.			.
CICS_SPECIFIC_APPL												.			
CLASS C		.	.	.		.	.	.				.		.	.
COMPLETION_CODE COMPCODE												.			
CRITERIA												.			
DATACLAS				.											
DATASET DSN DSNAME		.	.	.	.	.	.	.	.	.	.	.		.	.



Table 3. Predefined SMF record types: fields available by type - SMF record types 53-83 (continued)

	53	60	61	62	63	64	65	66	67	68	69	80	81	82	83
DESCRIPTOR												.			.
DESC															
DISTINGUISHED_NAME														.	
DISTINGUISHED_NAME_TYPE														.	
DSTIP															.
DSTPORT														.	.
ELLIPTIC_CURVE_TYPE														.	
END_TOD														.	
EVENT												.			.
EVENTDESC												.			.
EVENTQUAL												.			.
FILE						.									
FIPS_CHECK_SYSTEM														.	
FIPS_CHECK_USER														.	
FIPSMODE_COMPAT														.	
FIPSMODE_YES														.	
GROUP		<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>				.		.	.
HOSTNAME														.	
ICSF_DOMAIN														.	
ICSF_SERVICE														.	
INTENT			.	.		.	.	.				.		.	.
JOBID		<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>				<u>1</u>		.	<u>1</u>
JOBNAME		.	.	.	.	.	.	.	.	.	.	.		.	.
JOBTAG		<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>
KEY_ALGORITHM														.	
KEY_COMPLIANT_TAGGED														.	
KEY_CONTROL_VECTOR														.	
KEY_FINGERPRINT														.	
KEY_LABEL				.								.		.	.
KEY_LENGTH														.	
KEY_NAME														.	
KEY_OLD														.	
KEY_SECURITY														.	
KEY_TYPE														.	
KEY_USAGE														.	
KEYRING_NAME												.			.
LDAP_CLIENT_SECL															.
LDAP_CONN_ID															.
LDAP_ENTRY_NM															.
LOGSTR												.			.
MFA_FACTOR															.
MFA_POLICY															.
MGMTCLAS				.											.
NAME												.			.
OBJECT_TYPE														.	
OWNER												.			.
PCI_HSM_COMPL_MIGR_MODE														.	

Table 3. Predefined SMF record types: fields available by type - SMF record types 53-83 (continued)

	53	60	61	62	63	64	65	66	67	68	69	80	81	82	83
PCI_HSM_COMPLIANCE_MODE														.	
PCI_HSM_2016_COMPL_MODE														.	
PKCS11_TOKEN												.		.	.
PRIV_USER_GROUPS		<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>	<u>3</u>	<u>3</u>				<u>3</u>		<u>3</u>	<u>3</u>
PRIVILEGES		<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>	<u>3</u>	<u>3</u>				<u>3</u>		<u>3</u>	<u>3</u>
PRODUCT															.
PRODUCT_FMID															.
PROFILE		<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>	<u>3</u>	<u>3</u>				.		<u>3</u>	.
PROGRAM															.
QUAL		.	.	.		.	.	.				.			.
R_ACTION															.
R_MGMT_CMD															.
R_RESOURCE															.
R_USER												.			.
RACF_AUTH_INFO												.			
RACF_AUTH_USED												.			
RACF_FAILING_JOBNAME												.			
RACF_LINK_AUDIT															.
RACF_LINK_EVENT															.
RACFAUTH AUTHORITY												.			.
RACFCMD												.			.
RACFCMD_AUTH												.			.
RACFCMD_CONNECT												<u>3</u>			
RACFCMD_EFFECTIVE												.			.
RACFCMD_GROUP												.			.
RACFCMD_KEYWORDS												.			.
RACFCMD_KEYWORDS_EFF												.			.
RACFCMD_OWNER												.			.
RACFCMD_USER												.			.
RCS_GEO														.	
RCS_STATUS														.	
REASON												.			.
RELOCATE												.	.		.
REQUEST_PASSED_FIPS														.	
RESLEVEL												.			
RESOURCE		.	.	.		.	.	.				.		<u>2</u>	.
RTOKEN												.			.
RTOKEN_FLAGS												.			.
SECLABEL												.		.	.
SENSTYPE SENSITIVITY		<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>				<u>2</u>			
SERVAUTH_POE												.			
SIG_DATE												.			
SIG_ENTITY_DN												.			
SIG_EXPIRATION												.			
SIG_PROGRAM_LOADED												.			
SIG_ROOT_DN												.			

Table 3. Predefined SMF record types: fields available by type - SMF record types 53-83 (continued)

	53	60	61	62	63	64	65	66	67	68	69	80	81	82	83
SIG_TIME												.			
SMFUSERID SMFUSER		.	.	.	.	.	.	.	.	.	.	.		.	.
SRCHOST															.
SRCIP															.
SRCPORT															.
START_TOD														.	
STORCLAS				.											
SUBSYS_TYPE		<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>		<u>2</u>	<u>2</u>
TERMINAL		<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>				.		.	.
TN_REGION_USER TN_REGION_USERID REGION_USER														.	.
TOKEN_FORMAT														.	
TOKEN_VALIDATION_VALUE														.	
TRANSACTION												.			
UNITTYPE			.	.		.	.	.							
UNIX_ACCESS_ALLOWED												.			
UNIX_ACCESS_FILENAME												<u>2</u>			
UNIX_ACCESS_INTENT												.			
UNIX_ACCESS_ORIGIN												.			
UNIX_ACCESS_PATHNAME												<u>2</u>			
UNIX_ACCESS_USED												.			
UNIX_FILENAME												<u>2</u>			<u>2</u>
UNIX_FILETYPE												<u>2</u>			
UNIX_FUNCTION												.			
UNIX_PATHNAME												<u>2</u>			<u>2</u>
UNIX_PROGRAM															.
USAGE_COUNT														.	
USAGE_COUNT_ID														.	
USAGE_COUNT_TYPE														.	
USAGE_COUNT_TYPE_ID														.	
USER USERID LOGONID		<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>1</u>	<u>1</u>				.		.	.
USER_GROUPS		<u>3</u>	<u>3</u>	<u>3</u>		<u>3</u>	<u>3</u>	<u>3</u>				<u>3</u>		<u>3</u>	<u>3</u>
UTOKEN												.			.
UTOKEN_FLAGS												.			.
UTOKEN_POE												.			.
UTOKEN_POE_NETWORK												.			.
UTOKEN_POECLASS												.			.
UTOKEN_SESSION												.			.
UTOKEN_SGROUP UTOKEN_SGRP												.			.
UTOKEN_SNODE												.			.
UTOKEN_SUSER UTOKEN_SUSR												.			.
UTOKEN_XNODE												.			.
VALIDITY_END_DATE														.	
VALIDITY_START_DATE														.	

Table 3. Predefined SMF record types: fields available by type - SMF record types 53-83 (continued)															
	53	60	61	62	63	64	65	66	67	68	69	80	81	82	83
VM_ACIEVENT												.			
VOLSER VOLUME		.	.	.		.		.			.	.			.
VOLSER_OR_SMS		.	.	.		.		.			.	.			.

**Note:** The SMF record number of record type HSM Function Statistics is installation-dependent.

Table 4. Predefined SMF record types: fields available by type - SMF record types 90-123, OMEGAMON Commands, DFHSM Function Statistics, ACF2, and Top Secret														
	90	92	100	101	102	109	110	118	119	123	OMEG A- MON	HSM Func. Stats	ACF2	Top Secret
ACTION	.	.							.					
APPL							.							
APPLDATA									.					
BOX_SERIAL	<u>2</u>											<u>2</u>	<u>2</u>	<u>2</u>
BYTES_IN								.	.	.				
BYTES_OUT								.	.	.				
CICS_SPECIFIC_APPL							.							
CIPHER									.					
CLASS C	.											.	.	.
COMPLETION_STATUS COMPSTAT							.							
CONNECTION_END_DATETIME									.	.				
CONNECTION_INIT_DATETIME									.	.				
CSSMTP_CN_TLS_SSL_PROTO TLS_SSL_PROTOCOL									.					
DATASET DSN DSNAME	.	.			.			.	.			.	.	.
DISTINGUISHED_NAME									.					
DISTINGUISHED_NAME_TYPE									.					
DSTIP						.		.	.					
DSTPORT						.		.	.					
ELAPSED							.			.				
EVENT_DATETIME	.						.							
EXPLANATION						.								
FILE													.	
FIPS_MODE									.					
FIPSMODE_YES									.					
FIPS140 CSSMTP_CN_FIPS140									.					
FTP_CIPHERSUITE									.					
FTP_EXTENSIONS									.					
FTP_FILETYPE								.	.					
FTP_SECURE_CTRL_CONN									.					
FTP_SECURE_DATA_CONN									.					
GROUP	.	.			.				.			.	.	
HOSTNAME						.		.	.					
INTENT					.			.	.					
JOBID		<u>1</u>					<u>1</u>		.	.			.	
JOBNAME	.	.	.	.	.		.	.	.	.	.	.	.	.

Table 4. Predefined SMF record types: fields available by type - SMF record types 90-123, OMEGAMON Commands, DFHSM Function Statistics, ACF2, and Top Secret (continued)

	90	92	100	101	102	109	110	118	119	123	OMEG A- MON	HSM Func. Stats	ACF2	Top Secret
JOBTAG		<u>1</u>										.	.	<u>1</u>
LOGSTR													.	
MEMBER								.	.					
MEMBER_OLDNAME								.	.					
MSGID						.								
NAME													.	.
PACKETS_IN									.					
PACKETS_OUT									.					
PRIORITY						.								
PRIV_USER_GROUPS	<u>3</u>	<u>3</u>			<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
PRIVILEGES	<u>3</u>	<u>3</u>			<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
PRODUCT							.		.					
PROFILE	<u>3</u>											.		
PROGRAM					.								.	.
QUAL												.		
R_ACTION										.				
R_MGMT_CMD								.	.					
R_RESOURCE										.				
R_URI										.				
R_USER								.	.	.				
RECORD_DECOMPRESSED			.	.	.		.							
REQUEST_ID										.				
RESOURCE	.											.	.	.
SECLABEL	.				.				.					
SECURITY_EVENT		.			.				.					.
SENSTYPE SENSITIVITY								<u>2</u>	<u>2</u>			<u>2</u>	<u>2</u>	<u>2</u>
SMFUSERID SMFUSER													.	.
SRCIP					.	.	.	.	.					
SRCPORT						.		.	.					
SSH_AUTH_METHOD									.					
SSH_PROTOCOL_VERSION									.					
SSH_SUBCOMPONENT									.					
STEPNAME	.	.			.								.	
SUBRECNO							.							
SUBRECORD							.							
SUBSYS_TYPE	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>		<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
SYSPLEX									<u>2</u>	<u>2</u>				
TERMINAL		<u>1</u>					.	.	.		.			.
TN_REGION_USER TN_REGION_USERID REGION_USER									.					
TRANSACTION							.							
UNIX_ACCESS_FILENAME													<u>2</u>	
UNIX_ACCESS_INTENT		.						.	.				.	
UNIX_ACCESS_PATHNAME													<u>2</u>	

Table 4. Predefined SMF record types: fields available by type - SMF record types 90-123, OMEGAMON Commands, DFHSM Function Statistics, ACF2, and Top Secret (continued)

	90	92	100	101	102	109	110	118	119	123	OMEG A- MON	HSM Func. Stats	ACF2	Top Secret
UNIX_FILENAME		<u>2</u>						<u>2</u>	<u>2</u>				<u>2</u>	
UNIX_FILETYPE		<u>2</u>												
UNIX_FUNCTION													.	
UNIX_PATHNAME		<u>2</u>						<u>2</u>	<u>2</u>				<u>2</u>	
USER USERID LOGONID	.	.			.	.	.	.	.	.	.	.	.	.
USER_GROUPS	<u>3</u>	<u>3</u>			<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
UTOKEN	.				.				.					
UTOKEN_FLAGS	.				.				.					
UTOKEN_POE	.				.				.					
UTOKEN_POE_NETWORK	.				.				.					
UTOKEN_POECLASS	.				.				.					
UTOKEN_SESSION	.				.				.					
UTOKEN_SGROUP UTOKEN_SGRP	.				.				.					
UTOKEN_SNODE	.				.				.					
UTOKEN_SUSER UTOKEN_SUSR	.				.				.					
UTOKEN_XNODE	.				.				.					
VOLSER VOLUME	.											.	.	.
VOLSER_OR_SMS	.											.	.	.



