Chapter 9. RACF database unload utility (IRRDBU00) records

For a description of the RACF database unload utility and instructions on how to run it, see *z/OS Security Server RACF Security Administrator's Guide*.

Running the unload

Whenever you need to run the database unload utility against a database that is active on a system that is a member of the RACF sysplex data sharing group, always run the utility from a system in the group. If you do not, you might receive unpredictable results from the utility.

IRRDBU00 record types

The database unload utility gives every record it creates a record type. This record type is a 4-byte identification number located in the first four positions of every record.

The record types and their associated names are:

Record Type	Record Name
0100	Group Basic Data
0101	Group Subgroups
0102	Group Members
0103	Group Installation Data
0110	Group DFP Data
0120	Group OMVS Data
0130	Group OVM Data
0140	Reserved
0141	Group TME® Data
0150	Reserved
0151	Group CSDATA Custom fields
0200	User Basic Data
0201	User Categories
0202	User Classes
0203	User Group Connections
0204	User Installation Data
0205	User Connect Data
0206	User RRSF Data
0207	User Certificate Name
0208	User Associated Mappings Record
0210	User DFP Data
0220	User TSO Data
0230	User CICS Data
0231	User CICS Operator Classes
0232	User CICS RSL Keys
0233	User CICS TSL Keys
0240	User Language Data
0250	User OPERPARM Data
0251	User OPERPARM Scope
0260	User WORKATTR Data
0270	User OMVS Data
0280	User NETVIEW Segment
0281	User OPCLASS

0282	User DOMAINS
0290	User DCE Data
02A0	User OVM Data
02B0	User LNOTES Data
02C0	User NDS Data
02D0	User KERB Data
02E0	User PROXY Data
02F0	User EIM Data Record
02G0	Reserved
02G1	User CSDATA Custom fields
0400	Data Set Basic Data
0401	Data Set Categories
0402	Data Set Conditional Access
0403	Data Set Volumes
0404	Data Set Access
0405	Data Set Installation Data
0410	Data Set DFP Data
0420	Reserved
0421	Data Set TME Data
0500	General Resource Basic Data
0501	General Resource Tape Volume Data
0502	General Resource Categories
0503	General Resource Members
0504	General Resource Volumes
0505	General Resource Access
0506	General Resource Installation Data
0507	General Resource Conditional Access
0508	Filter Data Record
0510	General Resource Session Data
0511	General Resource Session Entities
0520	General Resource DLF Data
0521	General Resource DLF Job Names
0530	Reserved
0540	General Resource Started Task Data
0550	General Resource SystemView® Data
0560	General Resource Certificate Data Record
0561	General Resource Certificate References Record
0562	General Resource Key Ring Data Record
0570	General Resource TME Data Record
0571	General Resource TME Child Record
0572	General Resource TME Resource Record
0573	General Resource TME Group Record
0574	General Resource TME Role Record
0580	General Resource KERB Data
0590	General Resource PROXY Data
05A0	General Resource EIM Data
05B0	General Resource Alias Data
05C0	General Resource CDTINFO Data
05D0	General Resource ICTX Data
05E0	General Resource CFDEF Data

The record type identification number is in the format **PPSF**, where

PP	Profile type	
	01	For groups
	02	For users

04 For data sets
05 For general resources

S Segment number
0 Base segment
all others Segment value determined by the position of the segment in the template

F Repeat group within the segment. A zero (0) indicates the non-repeat groups within a segment.

The relationships among unloaded database records

The following figures describe how the records produced by the database unload utility relate to each other. The conventions used in the figures are:

- Only fields showing a relationship to another record type are described
- A line shows a relationship between different types of records
- The complete field names are in the format

  prefix_fieldname

  where *prefix* is the unique record prefix assigned to the record and *fieldname* identifies the field in the record. Each section provides the prefix added to the field names.
- The arrows on the connecting line clarify the relationship; they point to the field that had to have existed first in the RACF database.

  For example, there is a user named GARREN. GARREN creates a group named TEST. The user ID named GARREN had to exist before the group TEST was created.

  In terms of the output from database unload, there exists a user basic data record with GARREN in the USBD_NAME field. There also exists a group basic data record with TEST in the GPBD_NAME field and GARREN in the GPBD_OWNER_ID field.

The figures illustrating the relationships are located as follows:
- Group records, see Figure 1 on page 284
- User records, see Figure 3 on page 286
- Data Set records, see Figure 4 on page 287
- General Resource records, see Figure 5 on page 289.

Group records

The prefix representing the record identifier is omitted in the pictorial diagrams. For group records, the prefixes are:

Record Name	Record Type	Record Prefix
Group Basic Data	0100	GPBD
Group Subgroups	0101	GPSGRP
Group Members	0102	GPMEM
Group Installation Data	0103	GPINSTD
Group DFP Data	0110	GPDFP
Group OMVS Data	0120	GPOMVS
Group OVM Data	0130	GPOVM
Group TME Data	0141	GPTME
Group CSDATA Custom fields	0151	GPCSD

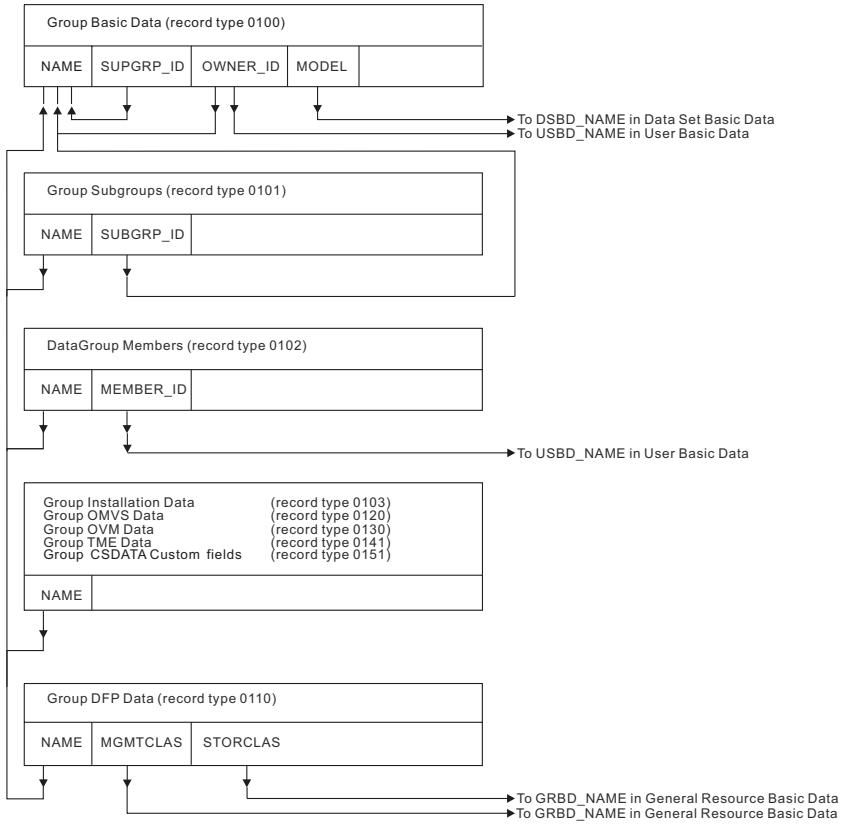

Figure 1. Relationship among the Group Record Types

User records

The high level qualifier which represents the table identifier is omitted. For user records, these qualifiers are:

Record Name	Record Type	Record Prefix
User Basic Data	0200	USBD
User Categories	0201	USCAT
User Classes	0202	USCLA
User Group Connections	0203	USGCON
User Installation Data	0204	USINSTD
User Connect Data	0205	USCON
User RRSF Data	0206	USRSF
User Certificate Data	0207	USCERT
User Mappings Record	0208	USNMAP
User DFP Data	0210	USDFP

User TSO Data	0220	USTSO
User CICS Data	0230	USCICS
User CICS Operator Classes	0231	USCOPC
User CICS RSL keys	0232	USCRSL
User CICS TSL keys	0233	USCTSL
User Language Data	0240	USLAN
User OPERPARM Data	0250	USOPR
User OPERPARM Scope	0251	USOPRP
User WORKATTR Data	0260	USWRK
User OMVS Data	0270	USOMVS
User NETVIEW Segment	0280	USNETV
User OPCLASS	0281	USNOPC
User DOMAINS	0282	USNDOM
User DCE Data	0290	USDCE
User OVM Data	02A0	USOVM
User LNOTES Data	02B0	USLNOT
User NDS Data	02C0	USNDS
User KERB Data	02D0	USKERB
User PROXY Data	02E0	USPROXY
User EIM Data	02F0	USEIM
User CSDATA Custom fields	02G1	USCSD

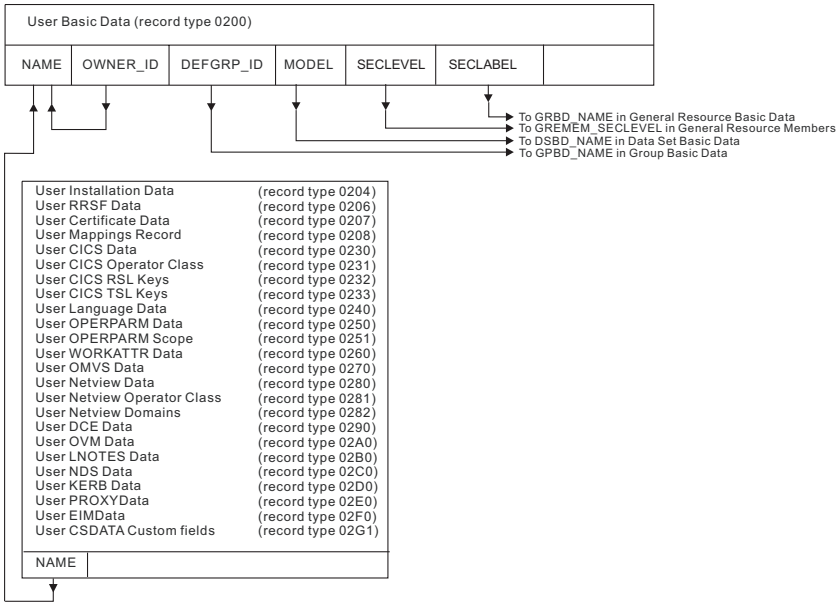

Figure 2. Relationship among the User Record Types (Part 1 of 2)

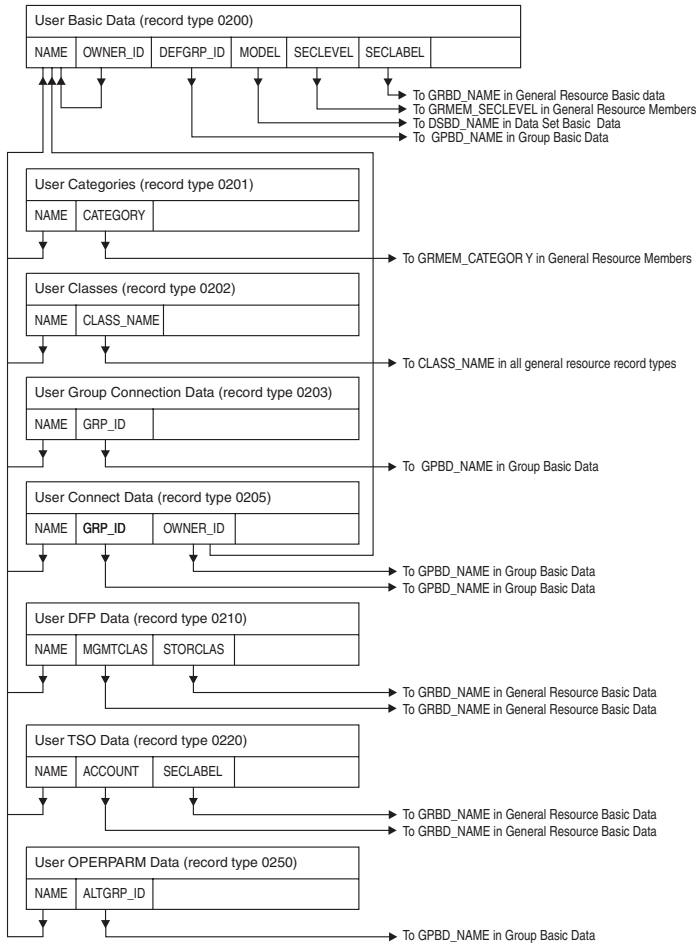

Figure 3. Relationship among the User Record Types (Part 2 of 2)

Data set records

The high level qualifier which represents the table identifier is omitted. For data set records, these qualifiers are:

Record Name	Record Type	Record Prefix
Data Set Basic Data	0400	DSBD
Data Set Categories	0401	DSCAT
Data Set Conditional Access	0402	DSCACC

Data Set Volumes	0403	DSVOL
Data Set Access	0404	DSACC
Data Set Installation Data	0405	DSINSTD
Data Set DFP Data	0410	DSDFP
Data Set TME Role Record	0421	DSTME

The NAME/VOL field is a concatenation of the NAME field and VOLUME field.

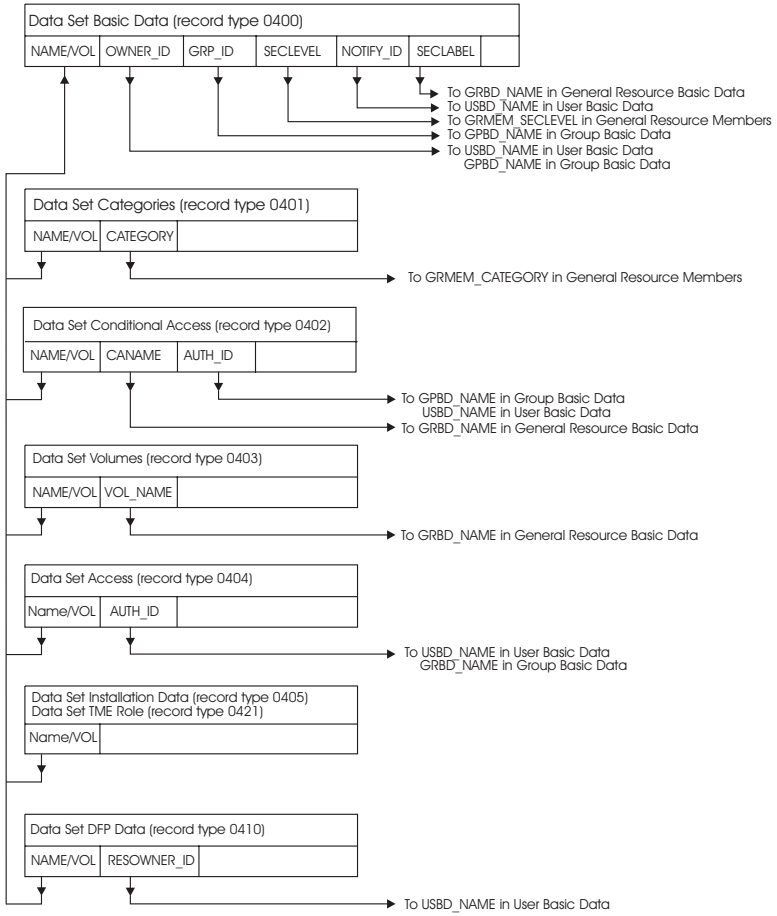

Figure 4. Relationship among the Data Set Record Types

General resource records

The high level qualifier which represents the table identifier is omitted. For general resource records, these qualifiers are:

Record Name	Record Type	Record Prefix
General Resource Basic Data	0500	GRBD
General Resource Tape Volume Data	0501	GRTVOL
General Resource Categories	0502	GRCAT
General Resource Members	0503	GRMEM
General Resource Volumes	0504	GRVOL
General Resource Access	0505	GRACC
General Resource Installation Data	0506	GRINSTD
General Resource Conditional Access	0507	GRCACC
General Filter Data Record	0508	GRFLTR
General Resource Session Data	0510	GRSES
General Resource Session Entities	0511	GRSESE
General Resource DLF Data	0520	GRDLF
General Resource DLF Job Names	0521	GRDLFJ
General Resource Started Task Data	0540	GRST
General Resource SystemView Data	0550	GRSV
General Resource Certificate Data	0560	GRCERT
General Resource Certificate Record	0561	CERTR
General Resource Key Ring Data	0562	KEYR
General Resource TME Data Record	0570	GRTME
General Resource TME Child Record	0571	GRTMEC
General Resource TME Resource Record	0572	GRTMER
General Resource TME Group Record	0573	GRTMEG
General Resource TME Role Record	0574	GRTMEE
General Resource KERB Data	0580	GRKERB
General Resource PROXY Data	0590	GRPROXY
General Resource EIM Data	05A0	GREIM
General Resource Alias Data	05B0	GRALIAS
General Resource CDTINFO Data	05C0	GRCDT
General Resource ICTX Data	05D0	GRICTX
General Resource CFDEF Data	05E0	GRCFDEF

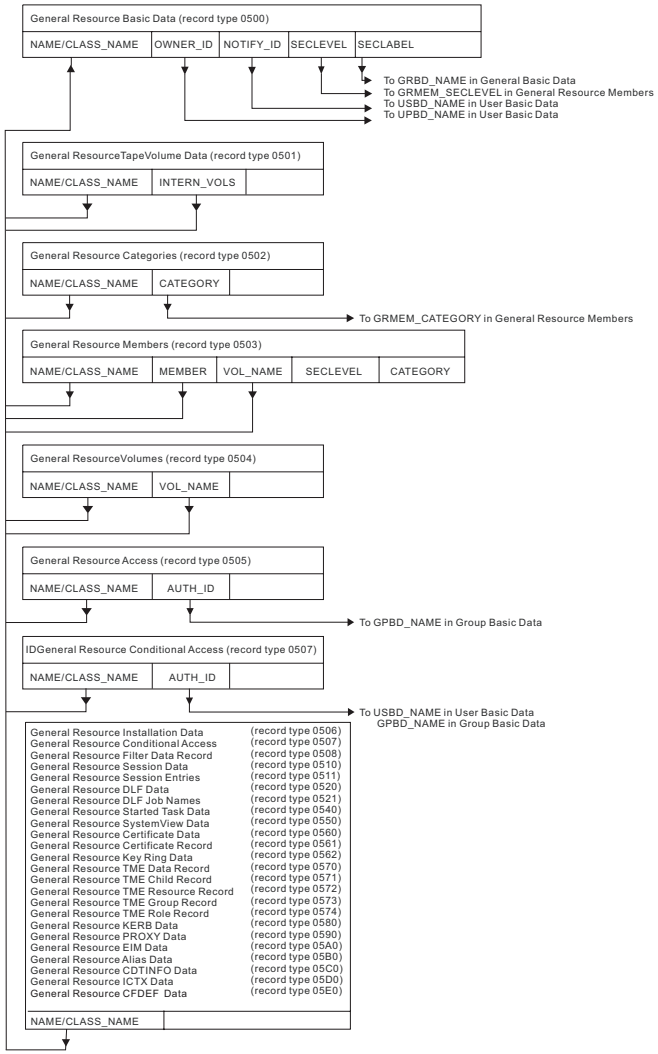

Figure 5. Relationship among the General Resource Record Types

Conversion rules of the database unload utility

In unloading the database, these rules were followed:

- Each repeat group has its own record type.

  For example, the repeat group representing the access list for data sets covered by a profile is ACL2CNT (the field name in the template). There is a data set access record (type 0404) created for each entry in the access list.
- Flag fields that are not mutually exclusive values (for example, 8-bit flags where more than one bit could be on at once) are defined as separate fields.

  When this field is processed, it is unloaded as a 4-character field, with the values `YES` and `NO` as valid values. The field is left-justified.
- Flag fields that have mutually exclusive settings are unloaded as 8-character fields with a value corresponding to each bit setting.

  For example, the UACC in a data set profile is a flag field in which each bit position corresponds to a universal access. The utility translates this single flag field into an 8-byte string with the value `NONE`, `READ`, `UPDATE`, `CONTROL`, or `ALTER`. If the flag field contains a value which is undefined, then the utility unloads the value as `X<cc>`, where `cc` is the hexadecimal value of the flag field.
- Encrypted and reserved fields are not unloaded.
- A maximum of 255 bytes are unloaded, with the exception of the following fields:

Segment	Field	Bytes unloaded
PROXY	LDAP_HOST	1023
	BIND_DN	1023
EIM	DOMAIN_DN	1023
OMVS	HOME_PATH	1023
	PROGRAM	1023
OVM	HOME_PATH	1023
	PROGRAM	1023
	FSROOT	1023
DCE	DCE_NAME	1023
	HOMECELL	1023
CSDATA	All fields	Maximum available bytes are unloaded.

- Fields for the installation's data, such as INSTDATA or the USRxx fields, are unloaded without any decoding. The USRFLG field, however, is treated as a hexadecimal value and is represented by `X<cc>`.
- A single byte with the value blank (X'40') is placed between each field in the output record. This makes it easier to understand the output file when it is viewed.
- Fields in the database which contain null data have blanks unloaded, with the exception of integer fields, which have a zero value unloaded. (Data is treated as null if 'FF' is coded as the default value for a character set in the base segment or if zeros are used in the character field in any segment other than the base segment.)
- Fields are converted to a readable form without interpretation of the current date or other information within the database.

For example, a user who shows as revoked when listed by LISTUSER, does not show as revoked with the raw UNLOAD data. If the revoked date is past, LISTUSER processes the data and shows the user as ATTRIBUTES=REVOKED, however the FLAG4 (USBD_REVOKE) bit in the unload data shows as NO.

Also, a protected user might show as N/A in the LISTUSER field for PASS-INTERVAL=, however the UNLOAD data might show a residual value in USBD_PWD_INTERVAL.

For more information, see Comparing LISTUSER and LISTGRP output with IRRDBU00 in *z/OS Security Server RACF Security Administrator's Guide*.

Record formats produced by the database unload utility

The following sections contain a detailed description of the records that are produced by the database unload utility.

Each row in the tabular description of the records that are produced by the utility contains five pieces of information:

1. Descriptive name for the field
2. Type of field
   - **Char** Character data.
   - **Int** Integer–EBCDIC numeric data.
   - **Time** A time value, in the form hh:mm:ss.
   - **Date** A date value, in the form yyyy-mm-dd.
   - **Yes/No** Flag data, having the value `YES` or `NO`.
3. Starting position for the field
4. Ending position for the field
5. Free form description of the field, which can contain the valid value constraints.

The complete record formats are located as follows:

- Group records, see "Group record formats"
- User records, see "User record formats" on page 294
- Data Set records, see "Data set record formats" on page 310
- General Resource records, see "General resource record formats" on page 314

Note: For some applications, such as SQL/DS™, the start and end positions must account for a 4-position length indicator at the front of each record. For applications such as these, 4 would be added to each of the start and end positions indicated.

Group record formats

The records associated with groups are:

- Group Basic Data
- Group Subgroups
- Group Members
- Group Installation Data
- Group DFP Data
- Group OMVS Data
- Group OVM Data
- Group TME Role Record
- Group CSDATA Custom fields

Group basic data record (0100)

The Group Basic Data record defines the basic information that defines a group. There is one record per group.

Table 179. Group Basic Data Record. Defines the basic information about a group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPBD_RECORD_TYPE	Int	1	4	Record type of the Group Basic Data record (0100).
GPBD_NAME	Char	6	13	Group name as taken from the profile name.
GPBD_SUPGRP_ID	Char	15	22	Name of the superior group to this group.
GPBD_CREATE_DATE	Date	24	33	Date that the group was defined.
GPBD_OWNER_ID	Char	35	42	The user ID or group name which owns the profile.
GPBD_UACC	Char	44	51	The default universal access. Valid values are `NONE` for all groups other than the IBM-defined `VSAMDSET` group which has `CREATE`.
GPBD_NOTERMUACC	Yes/No	53	56	Indicates if the group must be specifically authorized to use a particular terminal through the use of the PERMIT command.
GPBD_INSTALL_DATA	Char	58	312	Installation-defined data.
GPBD_MODEL	Char	314	357	Data set profile that is used as a model for this group.
GPBD_UNIVERSAL	Yes/No	359	362	Indicates if the group has the UNIVERSAL attribute.

Group subgroups record (0101)

The Group Subgroups record defines the relationship between a group and any subgroups that are within the group. There is one record per group/subgroup combination.

Table 180. Group Subgroups Record. Defines the relationship between a group and a subgroup.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPSGRP_RECORD_TYPE	Int	1	4	Record type of the Group Subgroups record (0101).
GPSGRP_NAME	Char	6	13	Group name as taken from the profile name.
GPSGRP_SUBGRP_ID	Char	15	22	The name of a subgroup within the group.

Group members record (0102)

The Group Members record defines the relationship between a group and the members of the group. There is one record per group/member combination.

Table 181. Group Members Record. Defines the relationship between a group and a member of the group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPMEM_RECORD_TYPE	Int	1	4	Record type of the Group Members record (0102).
GPMEM_NAME	Char	6	13	Group name as taken from the profile name.
GPMEM_MEMBER_ID	Char	15	22	A user ID within the group.
GPMEM_AUTH	Char	24	31	Indicates the authority that the user ID has within the group. Valid values are `USE`, `CONNECT`, `JOIN`, and `CREATE`.

Group installation data record (0103)

The Group Installation Data record defines the user data associated with a group.

This record type contains the data stored in the USRCNT repeat group, which is a field in the RACF database that is reserved for your installation's use. None of the RACF commands manipulate this field. Do not confuse this field with the `GPBD_INSTALL_DATA` field, shown in Table 181, which you enter into the database using the ADDGROUP and ALTGROUP commands.

There is one record per group/installation data combination.

Table 182. Group Installation Data Record. Defines the user-specified information associated with a group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPINSTD_RECORD_TYPE	Int	1	4	Record type of the Group Installation Data record (0103).
GPINSTD_NAME	Char	6	13	Group name as taken from the profile name.
GPINSTD_USR_NAME	Char	15	22	The name of the installation-defined field.
GPINSTD_USR_DATA	Char	24	278	The data for the installation-defined field.
GPINSTD_USR_FLAG	Char	280	287	The flag for the installation-defined field in the form X<cc>.

Group DFP data record (0110)

The Group DFP Data record defines the information required by the System Managed Storage (SMS) facility of the Data Facility Product (DFP). The fields in these records define the characteristics of the data that this profile protects.

There is one record per group/DFP data combination.

Table 183. Group DFP Data Record. Defines the default System Managed Storage values for a group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPDFP_RECORD_TYPE	Int	1	4	Record type of the Group DFP Data record (0110).
GPDFP_NAME	Char	6	13	Group name as taken from the profile name.
GPDFP_DATAAPPL	Char	15	22	Default application name for the group.
GPDFP_DATACLAS	Char	24	31	Default data class for the group.
GPDFP_MGMTCLAS	Char	33	40	Default management class for the group.
GPDFP_STORCLAS	Char	42	49	Default storage class for the group.

Group OMVS data record (0120)

The Group OMVS Data record defines the information required by z/OS UNIX to verify that users are associated with a valid z/OS UNIX group identifier (GID). These records define the GIDs that have been assigned to RACF groups.

There is one record per group/GID combination.

Table 184. Group OMVS Data Record. Defines the z/OS UNIX group identifier (GID) for a RACF group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPOMVS_RECORD_TYPE	Int	1	4	Record type of the Group OMVS Data record (0120).
GPOMVS_NAME	Char	6	13	Group name as taken from the profile name.
GPOMVS_GID	Char	15	24	OMVS z/OS UNIX group identifier (GID) associated with the group name from the profile.

Group OVM data record (0130)

The Group OVM Data record defines the OpenExtensions group identifiers (GIDs) that have been assigned to RACF groups.

There is one record per group/GID combination.

Table 185. Group OVM Data Record. Defines the z/OS UNIX group identifier (GID) for a RACF group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPOVM_RECORD_TYPE	Int	1	4	Record type of the Group OVM Data record (0130).
GPOVM_NAME	Char	6	13	Group name as taken from the profile name.
GPOVM_GID	Char	15	24	OpenExtensions group identifier (GID) associated with the group name from the profile.

Group TME role record (0141)

The Group TME Data record identifies ROLE profiles in which the group is referenced.

There is one record per group/role combination.

Table 186. Group TME Data Record

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPTME_RECORD_TYPE	Int	1	4	Record type of the Group TME Data record (0141).
GPTME_NAME	Char	6	13	Group name as taken from the profile name.
GPTME_ROLE	Char	15	260	Role profile name.

Group CSDATA Custom fields record (0151)

The Group CSDATA Custom fields record defines the custom fields associated with a group. There is one record per combination of group and CSDATA custom fields.

Table 187. Group CSDATA Custom fields record

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
GPCSD_RECORD_TYPE	Int	1	4	Record type of the Group CSDATA custom fields (0151).
GPCSD_NAME	Char	6	13	Group name.
GPCSD_TYPE	Char	15	18	Data type for the custom field. Valid values are CHAR, FLAG, HEX, NUM.
GPCSD_KEY	Char	20	51	Custom field keyword; maximum length = 8.
GPCSD_VALUE	Char	53	1152	Custom field value.

User record formats

The records associated with users are:

- User Basic Data
- User Categories
- User Classes
- User Group Connections
- User Installation Data
- User Connect Data
- User RRSF Data
- User Certificate Name
- User Mappings Record
- User DFP Data
- User TSO Data
- User CICS Data
- User CICS Operator Classes
- User CICS RSL Keys

- User CICS TSL Keys
- User Language Data
- User OPERPARM Data
- User OPERPARM Scope
- User WORKATTR Data
- User OMVS Data
- User NETVIEW Segment
- User OPCLASS
- User DOMAINS
- User DCE Data
- User OVM Data
- User LNOTES Data
- User NDS Data
- User KERB Data
- User PROXY Data
- User EIM Data
- User CSDATA Custom fields

User basic data record (0200)

The User Basic Data record defines the basic information about a user. There is one record per user.

Table 188. User basic data record. Defines the basic information about a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USBD_RECORD_TYPE	Int	1	4	Record type of the User Basic Data record (0200).
USBD_NAME	Char	6	13	User ID as taken from the profile name.
USBD_CREATE_DATE	Date	15	24	The date that the profile was created.
USBD_OWNER_ID	Char	26	33	The user ID or group name that owns the profile.
USBD_ADSP	Yes/No	35	38	Does the user have the ADSP attribute?
USBD_SPECIAL	Yes/No	40	43	Does the user have the SPECIAL attribute?
USBD_OPER	Yes/No	45	48	Does the user have the OPERATIONS attribute?
USBD_REVOKE	Yes/No	50	53	Is the user REVOKEd?
USBD_GRPACC	Yes/No	55	58	Does the user have the GRPACC attribute?
USBD_PWD_INTERVAL	Int	60	62	The number of days that the user's password can be used.
USBD_PWD_DATE	Date	64	73	The date that the password was last changed.
USBD_PROGRAMMER	Char	75	94	The name associated with the user ID.
USBD_DEFGRP_ID	Char	96	103	The default group associated with the user.
USBD_LASTJOB_TIME	Time	105	112	The time that the user last entered the system.
USBD_LASTJOB_DATE	Date	114	123	The date that the user last entered the system.
USBD_INSTALL_DATA	Char	125	379	Installation-defined data.
USBD_UAUDIT	Yes/No	381	384	Do all RACHECK and RACDEF SVCs cause logging?
USBD_AUDITOR	Yes/No	386	389	Does this user have the AUDITOR attribute?
USBD_NOPWD	Char	391	394	"YES" indicates that this user ID can logon without a password using OID card. "NO" indicates that this user must specify a password. "PRO" indicates a protected user ID. "PHR" indicates that the user has a password phrase. See also *z/OS Security Server RACF Security Administrator's Guide* .
USBD_OIDCARD	Yes/No	396	399	Does this user have OIDCARD data?
USBD_PWD_GEN	Int	401	403	The current password generation number.
USBD_REVOKE_CNT	Int	405	407	The number of unsuccessful logon attempts.

Table 188. User basic data record (continued). Defines the basic information about a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USBD_MODEL	Char	409	452	The data set model profile name.
USBD_SECLEVEL	Int	454	456	The user's security level.
USBD_REVOKE_DATE	Date	458	467	The date that the user will be revoked.
USBD_RESUME_DATE	Date	469	478	The date that the user will be resumed.
USBD_ACCESS_SUN	Yes/No	480	483	Can the user access the system on Sunday?
USBD_ACCESS_MON	Yes/No	485	488	Can the user access the system on Monday?
USBD_ACCESS_TUE	Yes/No	490	493	Can the user access the system on Tuesday?
USBD_ACCESS_WED	Yes/No	495	498	Can the user access the system on Wednesday?
USBD_ACCESS_THU	Yes/No	500	503	Can the user access the system on Thursday?
USBD_ACCESS_FRI	Yes/No	505	508	Can the user access the system on Friday?
USBD_ACCESS_SAT	Yes/No	510	513	Can the user access the system on Saturday?
USBD_START_TIME	Time	515	522	After what time can the user logon?
USBD_END_TIME	Time	524	531	After what time can the user not logon?
USBD_SECLABEL	Char	533	540	The user's default security label.
USBD_ATTRIBS	Char	542	549	Other user attributes (RSTD for users with RESTRICTED attribute).
USBD_PWDENV_EXISTS	Yes/No	551	554	Has a PKCS#7 envelope been created for the user's current password?
USBD_PWD_ASIS	Yes/No	556	559	Should the password be evaluated in the case entered?
USBD_PHR_DATE	Date	561	570	The date the password phrase was last changed.
USBD_PHR_GEN	Int	572	574	The current password phrase generation number.
USBD_CERT_SEQN	Int	576	585	Sequence number that is incremented whenever a certificate for the user is added, deleted, or altered.
USBD_PPHENV_EXISTS	Yes/No	587	590	Has the user's current password phrase been PKCS#7 enveloped for possible retrieval?

User categories record (0201)

The User Categories record defines the categories to which the user has access. There is one record per user/category combination.

Table 189. User Categories Record. Defines the categories that users can access.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCAT_RECORD_TYPE	Int	1	4	Record type of the User Categories record (0201).
USCAT_NAME	Char	6	13	User ID as taken from the profile name.
USCAT_CATEGORY	Int	15	19	Category to which the user has access.

User classes record (0202)

The User Classes record defines the classes in which the user can create profiles. There is one record per user/class combination.

Table 190. User Classes Record. Defines the classes in which users can create profiles.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCLA_RECORD_TYPE	Int	1	4	Record type of the User Classes record (0202).
USCLA_NAME	Char	6	13	User ID as taken from the profile name.
USCLA_CLASS	Char	15	22	A class in which the user is allowed to define profiles.

User group connections record (0203)

The User Group Connections record defines the groups with which the user is associated. There is one record per user connection.

Table 191. User Group Connections Record. Defines the groups with which a user is associated.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USGCON_RECORD_TYPE	Int	1	4	Record type of the User Group Connections record (0203).
USGCON_NAME	Char	6	13	User ID as taken from the profile name.
USGCON_GRP_ID	Char	15	22	The group with which the user is associated.

User installation data record (0204)

The User Installation Data record defines the user data associated with a user ID.

This record type contains the data stored in the USRCNT repeat group, which is a field in the RACF database that is reserved for your installation's use. None of the RACF commands manipulate this field. Do not confuse this field with the `USER_INSTALL_DATA` field, shown in Table 188 on page 295, which you enter into the database using the ADDUSER and ALTUSER commands.

Table 192. User Installation Data Record. Defines the user-specified information associated with a user ID.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USINSTD_RECORD_TYPE	Int	1	4	Record type of the User Installation Data record (0204).
USINSTD_NAME	Char	6	13	User ID as taken from the profile name.
USINSTD_USR_NAME	Char	15	22	The name of the installation-defined field.
USINSTD_USR_DATA	Char	24	278	The data for the installation-defined field.
USINSTD_USR_FLAG	Char	280	287	The flag for the installation-defined field in the form `X<cc>`.

User connect data record (0205)

The User Connect Data record defines the relationships between users and groups. There is one record per user connection.

Table 193. User Connect Data Record. Defines the relationship between a user and a group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCON_RECORD_TYPE	Int	1	4	Record type of the User Connect Data record (0205).
USCON_NAME	Char	6	13	User ID as taken from the profile name.
USCON_GRP_ID	Char	15	22	The group name.
USCON_CONNECT_DATE	Date	24	33	The date that the user was connected.
USCON_OWNER_ID	Char	35	42	The owner of the user-group connection.
USCON_LASTCON_TIME	Time	44	51	Time that the user last connected to this group.
USCON_LASTCON_DATE	Date	53	62	Date that the user last connected to this group.
USCON_UACC	Char	64	71	The default universal access authority for all new resources the user defines while connected to the specified group. Valid values are `NONE`, `READ`, `UPDATE`, `CONTROL`, and `ALTER`.
USCON_INIT_CNT	Int	73	77	The number of RACINITs issued for this user/group combination.

Table 193. User Connect Data Record (continued). Defines the relationship between a user and a group.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCON_GRP_ADSP	Yes/No	79	82	Does this user have the ADSP attribute in this group?
USCON_GRP_SPECIAL	Yes/No	84	87	Does this user have GROUP-SPECIAL in this group?
USCON_GRP_OPER	Yes/No	89	92	Does this user have GROUP-OPERATIONS in this group?
USCON_REVOKE	Yes/No	94	97	Is this user revoked?
USCON_GRP_ACC	Yes/No	99	102	Does this user have the GRPACC attribute?
USCON_NOTERMUACC	Yes/No	104	107	Does this user have the NOTERMUACC attribute in this group?
USCON_GRP_AUDIT	Yes/No	109	112	Does this user have the GROUP-AUDITOR attribute in this group?
USCON_REVOKE_DATE	Date	114	123	The date that the user's connection to the group will be revoked.
USCON_RESUME_DATE	Date	125	134	The date that the user's connection to the group will be resumed.

User RRSF data record (0206)

The User RRSF Data record defines the information required by RRSF (RACF remote sharing facility). There is one record per user/RRSF data combination.

Table 194. User RRSF Data Record. Defines the RRSF fields unloaded.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USRSF_RECORD_TYPE	Int	1	4	Record type of the RRSF data record (0206).
USRSF_NAME	Char	6	13	User ID as taken from the profile name.
USRSF_TARG_NODE	Char	15	22	Target node name.
USRSF_TARG_USER_ID	Char	24	31	Target user ID.
USRSF_VERSION	Int	33	35	Version of this record.
USRSF_PEER	Yes/No	37	40	Is this a peer user ID?
USRSF_MANAGING	Yes/No	42	45	Is USRSF_NAME managing this ID?
USRSF_MANAGED	Yes/No	47	50	Is USRSF_NAME being managed by this ID?
USRSF_REMOTE_PEND	Yes/No	52	55	Is this remote RACF association pending?
USRSF_LOCAL_PEND	Yes/No	57	60	Is this local RACF association pending?
USRSF_PWD_SYNC	Yes/No	62	65	Is there password synchronization with this user ID?
USRSF_REM_REFUSAL	Yes/No	67	70	Was a system error encountered on the remote system?
USRSF_DEFINE_DATE	Date	72	81	GMT date stamp for when this record was defined.
USRSF_DEFINE_TIME	Time	83	97	GMT time stamp for when this record was defined.
USRSF_ACCEPT_DATE	Date	99	108	GMT date stamp when this association was approved or refused. Based on the REMOTE_REFUSAL bit setting.
USRSF_ACCEPT_TIME	Time	110	124	GMT time stamp when this association was approved or refused. Based on the REMOTE_REFUSAL bit setting.
USRSF_CREATOR_ID	Char	126	133	User ID who created this entry.

User certificate name record (0207)

The User Certificate Name record defines the names of the certificate profiles in the DIGTCERT class that are associated with this user ID.

Note: RACF does not unload all fields in profiles in the DIGTCERT class. The digital certificate itself is not readable text and is the only field in the

CERTDATA segment. Therefore, RACF bypasses the unloading of the CERTDATA segment of general resource profiles.

Table 195. User Certificate Name Record. Defines the certificate profiles associated with this user ID.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCERT_RECORD_TYPE	Int	1	4	Record type of the Certificate name record (0207).
USCERT_NAME	Char	6	13	User ID as taken from the profile name.
USCERT_CERT_NAME	Char	15	260	Digital Certificate name.
USCERT_CERTLABL	Char	262	293	Digital Certificate label.

User associated mappings record (0208)

The User Associated Mappings Record defines the certificate name filter in the DIGTNMAP class associated with this user ID.

Table 196. User Associated Mappings Record. Defines the mappings record associated with this user ID.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USNMAP_RECORD_TYPE	Int	1	4	Record type of the User Associated Mappings record (0208).
USNMAP_NAME	Char	6	13	User ID as taken from the profile name.
USNMAP_LABEL	Char	15	46	The label associated with this mapping.
USNMAP_MAP_NAME	Char	48	293	The name of the DIGTNMAP profile associated with this user.

User DFP data record (0210)

The User DFP Data record defines the information required by the System Managed Storage facility of the Data Facility Product (DFP). The fields in these records define the characteristics of the data that are created by the user. There is one record per user/DFP data combination.

Table 197. User DFP Data Record. Defines the default System Managed Storage values for a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USDFP_RECORD_TYPE	Int	1	4	Record type of the User DFP data record (0210).
USDFP_NAME	Char	6	13	User ID as taken from the profile name.
USDFP_DATAAPPL	Char	15	22	Default application name for the user.
USDFP_DATACLAS	Char	24	31	Default data class for the user.
USDFP_MGMTCLAS	Char	33	40	Default management class for the user.
USDFP_STORCLAS	Char	42	49	Default storage class for the user.

User TSO data record (0220)

The User TSO Data record defines the information required by TSO/E. There is one record per TSO user.

Table 198. User TSO Data Record. Defines the TSO information about a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USTSO_RECORD_TYPE	Int	1	4	Record type of the User TSO Data record (0220).
USTSO_NAME	Char	6	13	User ID as taken from the profile name.
USTSO_ACCOUNT	Char	15	54	The default account number.

Table 198. User TSO Data Record (continued). Defines the TSO information about a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USTSO_COMMAND	Char	56	135	The command issued at LOGON.
USTSO_DEST	Char	137	144	The default destination identifier.
USTSO_HOLD_CLASS	Char	146	146	The default hold class.
USTSO_JOB_CLASS	Char	148	148	The default job class.
USTSO_LOGON_PROC	Char	150	157	The default logon procedure.
USTSO_LOGON_SIZE	Int	159	168	The default logon region size.
USTSO_MSG_CLASS	Char	170	170	The default message class.
USTSO_LOGON_MAX	Int	172	181	The maximum logon region size.
USTSO_PERF_GROUP	Int	183	192	The performance group associated with the user.
USTSO_SYSOUT_CLASS	Char	194	194	The default sysout class.
USTSO_USER_DATA	Char	196	203	The TSO user data, in hexadecimal in the form `X<cccc>`.
USTSO_UNIT_NAME	Char	205	212	The default SYSDA device.
USTSO_SECLABEL	Char	214	221	The default logon security label.

User CICS data record (0230)

The User CICS Data record defines the data required by the Customer Information Control System (CICS). There is one record per user/CICS data combination.

Table 199. User CICS Data Record. Defines the CICS information about a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCICS_RECORD_TYPE	Int	1	4	Record type of the User CICS Data record (0230).
USCICS_NAME	Char	6	13	User ID as taken from the profile name.
USCICS_OPIDENT	Char	15	17	The CICS operator identifier.
USCICS_OPPRTY	Int	19	23	The CICS operator priority.
USCICS_NOFORCE	Yes/No	25	28	Is the extended recovery facility (XRF) NOFORCE option in effect?
USCICS_TIMEOUT	Char	30	34	The terminal time-out value. Expressed in `hh:mm`

User CICS operator classes record (0231)

The User CICS Operator Classes record defines the classes associated with a CICS operator. There is one record per user/CICS operator class combination.

Table 200. User CICS Operator Class Record. Defines the classes associated with a CICS operator.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCOPC_RECORD_TYPE	Int	1	4	Record type of the User CICS Operator Class record (0231).
USCOPC_NAME	Char	6	13	User ID as taken from the profile name.
USCOPC_OPCLASS	Char	15	17	The class associated with the CICS operator.

User CICS RSL keys record (0232)

The User CICS RSL keys record defines the resource security level (RSL) keys associated with a CICS user. There is one record per combination of user and CICS RSL key.

Table 201. User CICS RSL Key Record. Defines the RSL keys for a CICS user.

Field Name	Type	Position Start	Position End	Comments
USCRSL_RECORD_TYPE	Int	1	4	Record type of the User CICS RSL keys record (0232).
USCRSL_NAME	Char	6	13	User ID as taken from the profile name.
USCRSL_KEY	Int	15	19	RSL key number.

User CICS TSL keys record (0233)

The User CICS TSL keys record defines the transaction security level (TSL) keys for a CICS user. There is one record per combination of user and CICS TSL key.

Table 202. User CICS TSL Key Record. Defines the TSL keys associated with a CICS user.

Field Name	Type	Position Start	Position End	Comments
USCTSL_RECORD_TYPE	Int	1	4	Record type of the User CICS TSL keys record (0233).
USCTSL_NAME	Char	6	13	User ID as taken from the profile name.
USCTSL_KEY	Int	15	19	TSL key number.

User language data record (0240)

The User Language Data record defines the primary and default languages for the user. There is one record per user/language combination.

Table 203. User Language Data Record. Defines the primary and secondary languages for the user.

Field Name	Type	Position Start	Position End	Comments
USLAN_RECORD_TYPE	Int	1	4	Record type of the User Language Data record (0240).
USLAN_NAME	Char	6	13	User ID as taken from the profile name.
USLAN_PRIMARY	Char	15	17	The primary language for the user.
USLAN_SECONDARY	Char	19	21	The secondary language for the user.

User OPERPARM data record (0250)

The User OPERPARM Data record defines the operator characteristics for the user. There is one record per user/OPERPARM data combination.

Table 204. User OPERPARM Data Record. Defines the operator definition information for a console operator.

Field Name	Type	Position Start	Position End	Comments
USOPR_RECORD_TYPE	Int	1	4	Record type of the User OPERPARM Data record (0250).
USOPR_NAME	Char	6	13	User ID as taken from the profile name.
USOPR_STORAGE	Int	15	19	The number of megabytes of storage that can be used for message queuing.
USOPR_MASTERAUTH	Yes/No	21	24	Does this user have MASTER console authority?
USOPR_ALLAUTH	Yes/No	26	29	Does this user have ALL console authority?
USOPR_SYSAUTH	Yes/No	31	34	Does this user have SYSAUTH console authority?
USOPR_IOAUTH	Yes/No	36	39	Does this user have I/O console authority?
USOPR_CONSAUTH	Yes/No	41	44	Does this user have CONS console authority?
USOPR_INFOAUTH	Yes/No	46	49	Does this user have INFO console authority?
USOPR_TIMESTAMP	Yes/No	51	54	Do console messages contain a timestamp?
USOPR_SYSTEMID	Yes/No	56	59	Do console messages contain a system ID?

Table 204. User OPERPARM Data Record (continued). Defines the operator definition information for a console operator.

Field Name	Type	Position Start	Position End	Comments
USOPR_JOBID	Yes/No	61	64	Do console messages contain a job ID?
USOPR_MSGID	Yes/No	66	69	Do console messages contain a message ID?
USOPR_X	Yes/No	71	74	Are the job name and system name to be suppressed for messages issued from the JES3 global processor?
USOPR_WTOR	Yes/No	76	79	Does the console receive WTOR messages?
USOPR_IMMEDIATE	Yes/No	81	84	Does the console receive *immediate* messages?
USOPR_CRITICAL	Yes/No	86	89	Does the console receive *critical event* messages?
USOPR_EVENTUAL	Yes/No	91	94	Does the console receive *eventual event* messages?
USOPR_INFO	Yes/No	96	99	Does the console receive *informational* messages?
USOPR_NOBRODCAST	Yes/No	101	104	Are broadcast messages to this console suppressed?
USOPR_ALL	Yes/No	106	109	Does the console receive `all` messages?
USOPR_JOBNAMES	Yes/No	111	114	Are job names monitored?
USOPR_JOBNAMEST	Yes/No	116	119	Are job names monitored with timestamps displayed?
USOPR_SESS	Yes/No	121	124	Are user IDs displayed with each TSO initiation and termination?
USOPR_SESST	Yes/No	126	129	Are user IDs and timestamps displayed with each TSO initiation and termination?
USOPR_STATUS	Yes/No	131	134	Are data set names and dispositions displayed with each data set that is freed?
USOPR_ROUTECODE001	Yes/No	136	139	Is this console enabled for route code 001?
USOPR_ROUTECODE002	Yes/No	141	144	Is this console enabled for route code 002?
USOPR_ROUTECODE003	Yes/No	146	149	Is this console enabled for route code 003?
USOPR_ROUTECODE004	Yes/No	151	154	Is this console enabled for route code 004?
USOPR_ROUTECODE005	Yes/No	156	159	Is this console enabled for route code 005?
USOPR_ROUTECODE006	Yes/No	161	164	Is this console enabled for route code 006?
USOPR_ROUTECODE007	Yes/No	166	169	Is this console enabled for route code 007?
USOPR_ROUTECODE008	Yes/No	171	174	Is this console enabled for route code 008?
USOPR_ROUTECODE009	Yes/No	176	179	Is this console enabled for route code 009?
USOPR_ROUTECODE010	Yes/No	181	184	Is this console enabled for route code 010?
USOPR_ROUTECODE011	Yes/No	186	189	Is this console enabled for route code 011?
USOPR_ROUTECODE012	Yes/No	191	194	Is this console enabled for route code 012?
USOPR_ROUTECODE013	Yes/No	196	199	Is this console enabled for route code 013?
USOPR_ROUTECODE014	Yes/No	201	204	Is this console enabled for route code 014?
USOPR_ROUTECODE015	Yes/No	206	209	Is this console enabled for route code 015?
USOPR_ROUTECODE016	Yes/No	211	214	Is this console enabled for route code 016?
USOPR_ROUTECODE017	Yes/No	216	219	Is this console enabled for route code 017?
USOPR_ROUTECODE018	Yes/No	221	224	Is this console enabled for route code 018?
USOPR_ROUTECODE019	Yes/No	226	229	Is this console enabled for route code 019?
USOPR_ROUTECODE020	Yes/No	231	234	Is this console enabled for route code 020?
USOPR_ROUTECODE021	Yes/No	236	239	Is this console enabled for route code 021?
USOPR_ROUTECODE022	Yes/No	241	244	Is this console enabled for route code 022?
USOPR_ROUTECODE023	Yes/No	246	249	Is this console enabled for route code 023?
USOPR_ROUTECODE024	Yes/No	251	254	Is this console enabled for route code 024?
USOPR_ROUTECODE025	Yes/No	256	259	Is this console enabled for route code 025?

Table 204. User OPERPARM Data Record (continued). Defines the operator definition information for a console operator.

Field Name	Type	Position		Comments
		Start	End	
USOPR_ROUTECODE026	Yes/No	261	264	Is this console enabled for route code 026?
USOPR_ROUTECODE027	Yes/No	266	269	Is this console enabled for route code 027?
USOPR_ROUTECODE028	Yes/No	271	274	Is this console enabled for route code 028?
USOPR_ROUTECODE029	Yes/No	276	279	Is this console enabled for route code 029?
USOPR_ROUTECODE030	Yes/No	281	284	Is this console enabled for route code 030?
USOPR_ROUTECODE031	Yes/No	286	289	Is this console enabled for route code 031?
USOPR_ROUTECODE032	Yes/No	291	294	Is this console enabled for route code 032?
USOPR_ROUTECODE033	Yes/No	296	299	Is this console enabled for route code 033?
USOPR_ROUTECODE034	Yes/No	301	304	Is this console enabled for route code 034?
USOPR_ROUTECODE035	Yes/No	306	309	Is this console enabled for route code 035?
USOPR_ROUTECODE036	Yes/No	311	314	Is this console enabled for route code 036?
USOPR_ROUTECODE037	Yes/No	316	319	Is this console enabled for route code 037?
USOPR_ROUTECODE038	Yes/No	321	324	Is this console enabled for route code 038?
USOPR_ROUTECODE039	Yes/No	326	329	Is this console enabled for route code 039?
USOPR_ROUTECODE040	Yes/No	331	334	Is this console enabled for route code 040?
USOPR_ROUTECODE041	Yes/No	336	339	Is this console enabled for route code 041?
USOPR_ROUTECODE042	Yes/No	341	344	Is this console enabled for route code 042?
USOPR_ROUTECODE043	Yes/No	346	349	Is this console enabled for route code 043?
USOPR_ROUTECODE044	Yes/No	351	354	Is this console enabled for route code 044?
USOPR_ROUTECODE045	Yes/No	356	359	Is this console enabled for route code 045?
USOPR_ROUTECODE046	Yes/No	361	364	Is this console enabled for route code 046?
USOPR_ROUTECODE047	Yes/No	366	369	Is this console enabled for route code 047?
USOPR_ROUTECODE048	Yes/No	371	374	Is this console enabled for route code 048?
USOPR_ROUTECODE049	Yes/No	376	379	Is this console enabled for route code 049?
USOPR_ROUTECODE050	Yes/No	381	384	Is this console enabled for route code 050?
USOPR_ROUTECODE051	Yes/No	386	389	Is this console enabled for route code 051?
USOPR_ROUTECODE052	Yes/No	391	394	Is this console enabled for route code 052?
USOPR_ROUTECODE053	Yes/No	396	399	Is this console enabled for route code 053?
USOPR_ROUTECODE054	Yes/No	401	404	Is this console enabled for route code 054?
USOPR_ROUTECODE055	Yes/No	406	409	Is this console enabled for route code 055?
USOPR_ROUTECODE056	Yes/No	411	414	Is this console enabled for route code 056?
USOPR_ROUTECODE057	Yes/No	416	419	Is this console enabled for route code 057?
USOPR_ROUTECODE058	Yes/No	421	424	Is this console enabled for route code 058?
USOPR_ROUTECODE059	Yes/No	426	429	Is this console enabled for route code 059?
USOPR_ROUTECODE060	Yes/No	431	434	Is this console enabled for route code 060?
USOPR_ROUTECODE061	Yes/No	436	439	Is this console enabled for route code 061?
USOPR_ROUTECODE062	Yes/No	441	444	Is this console enabled for route code 062?
USOPR_ROUTECODE063	Yes/No	446	449	Is this console enabled for route code 063?
USOPR_ROUTECODE064	Yes/No	451	454	Is this console enabled for route code 064?
USOPR_ROUTECODE065	Yes/No	456	459	Is this console enabled for route code 065?
USOPR_ROUTECODE066	Yes/No	461	464	Is this console enabled for route code 066?
USOPR_ROUTECODE067	Yes/No	466	469	Is this console enabled for route code 067?
USOPR_ROUTECODE068	Yes/No	471	474	Is this console enabled for route code 068?

Table 204. User OPERPARM Data Record (continued). Defines the operator definition information for a console operator.

Field Name	Type	Position		Comments
		Start	End	
USOPR_ROUTECODE069	Yes/No	476	479	Is this console enabled for route code 069?
USOPR_ROUTECODE070	Yes/No	481	484	Is this console enabled for route code 070?
USOPR_ROUTECODE071	Yes/No	486	489	Is this console enabled for route code 071?
USOPR_ROUTECODE072	Yes/No	491	494	Is this console enabled for route code 072?
USOPR_ROUTECODE073	Yes/No	496	499	Is this console enabled for route code 073?
USOPR_ROUTECODE074	Yes/No	501	504	Is this console enabled for route code 074?
USOPR_ROUTECODE075	Yes/No	506	509	Is this console enabled for route code 075?
USOPR_ROUTECODE076	Yes/No	511	514	Is this console enabled for route code 076?
USOPR_ROUTECODE077	Yes/No	516	519	Is this console enabled for route code 077?
USOPR_ROUTECODE078	Yes/No	521	524	Is this console enabled for route code 078?
USOPR_ROUTECODE079	Yes/No	526	529	Is this console enabled for route code 079?
USOPR_ROUTECODE080	Yes/No	531	534	Is this console enabled for route code 080?
USOPR_ROUTECODE081	Yes/No	536	539	Is this console enabled for route code 081?
USOPR_ROUTECODE082	Yes/No	541	544	Is this console enabled for route code 082?
USOPR_ROUTECODE083	Yes/No	546	549	Is this console enabled for route code 083?
USOPR_ROUTECODE084	Yes/No	551	554	Is this console enabled for route code 084?
USOPR_ROUTECODE085	Yes/No	556	559	Is this console enabled for route code 085?
USOPR_ROUTECODE086	Yes/No	561	564	Is this console enabled for route code 086?
USOPR_ROUTECODE087	Yes/No	566	569	Is this console enabled for route code 087?
USOPR_ROUTECODE088	Yes/No	571	574	Is this console enabled for route code 088?
USOPR_ROUTECODE089	Yes/No	576	579	Is this console enabled for route code 089?
USOPR_ROUTECODE090	Yes/No	581	584	Is this console enabled for route code 090?
USOPR_ROUTECODE091	Yes/No	586	589	Is this console enabled for route code 091?
USOPR_ROUTECODE092	Yes/No	591	594	Is this console enabled for route code 092?
USOPR_ROUTECODE093	Yes/No	596	599	Is this console enabled for route code 093?
USOPR_ROUTECODE094	Yes/No	601	604	Is this console enabled for route code 094?
USOPR_ROUTECODE095	Yes/No	606	609	Is this console enabled for route code 095?
USOPR_ROUTECODE096	Yes/No	611	614	Is this console enabled for route code 096?
USOPR_ROUTECODE097	Yes/No	616	619	Is this console enabled for route code 097?
USOPR_ROUTECODE098	Yes/No	621	624	Is this console enabled for route code 098?
USOPR_ROUTECODE099	Yes/No	626	629	Is this console enabled for route code 099?
USOPR_ROUTECODE100	Yes/No	631	634	Is this console enabled for route code 100?
USOPR_ROUTECODE101	Yes/No	636	639	Is this console enabled for route code 101?
USOPR_ROUTECODE102	Yes/No	641	644	Is this console enabled for route code 102?
USOPR_ROUTECODE103	Yes/No	646	649	Is this console enabled for route code 103?
USOPR_ROUTECODE104	Yes/No	651	654	Is this console enabled for route code 104?
USOPR_ROUTECODE105	Yes/No	656	659	Is this console enabled for route code 105?
USOPR_ROUTECODE106	Yes/No	661	664	Is this console enabled for route code 106?
USOPR_ROUTECODE107	Yes/No	666	669	Is this console enabled for route code 107?
USOPR_ROUTECODE108	Yes/No	671	674	Is this console enabled for route code 108?
USOPR_ROUTECODE109	Yes/No	676	679	Is this console enabled for route code 109?
USOPR_ROUTECODE110	Yes/No	681	684	Is this console enabled for route code 110?
USOPR_ROUTECODE111	Yes/No	686	689	Is this console enabled for route code 111?

Table 204. User OPERPARM Data Record (continued). Defines the operator definition information for a console operator.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USOPR_ROUTECODE112	Yes/No	691	694	Is this console enabled for route code 112?
USOPR_ROUTECODE113	Yes/No	696	699	Is this console enabled for route code 113?
USOPR_ROUTECODE114	Yes/No	701	704	Is this console enabled for route code 114?
USOPR_ROUTECODE115	Yes/No	706	709	Is this console enabled for route code 115?
USOPR_ROUTECODE116	Yes/No	711	714	Is this console enabled for route code 116?
USOPR_ROUTECODE117	Yes/No	716	719	Is this console enabled for route code 117?
USOPR_ROUTECODE118	Yes/No	721	724	Is this console enabled for route code 118?
USOPR_ROUTECODE119	Yes/No	726	729	Is this console enabled for route code 119?
USOPR_ROUTECODE120	Yes/No	731	734	Is this console enabled for route code 120?
USOPR_ROUTECODE121	Yes/No	736	739	Is this console enabled for route code 121?
USOPR_ROUTECODE122	Yes/No	741	744	Is this console enabled for route code 122?
USOPR_ROUTECODE123	Yes/No	746	749	Is this console enabled for route code 123?
USOPR_ROUTECODE124	Yes/No	751	754	Is this console enabled for route code 124?
USOPR_ROUTECODE125	Yes/No	756	759	Is this console enabled for route code 125?
USOPR_ROUTECODE126	Yes/No	761	764	Is this console enabled for route code 126?
USOPR_ROUTECODE127	Yes/No	766	769	Is this console enabled for route code 127?
USOPR_ROUTECODE128	Yes/No	771	774	Is this console enabled for route code 128?
USOPR_LOGCMDRESP	Char	776	783	Specifies the logging of command responses received by the extended operator. Valid values are `SYSTEM`, `NO`, and blank.
USOPR_MIGRATIONID	Yes/No	785	788	Is this extended operator to receive a migration ID?
USOPR_DELOPERMSG	Char	790	797	Does this extended operator receive delete operator messages? Valid values are `NORMAL`, `ALL`, and `NONE`.
USOPR_RETRIEVE_KEY	Char	799	806	Specifies a retrieval key used for searching. A null value is indicated by `NONE`.
USOPR_CMDSYS	Char	808	815	The name of the system that the extended operator is connected to for command processing.
USOPR_UD	Yes/No	817	820	Is this operator to receive undeliverable messages?
USOPR_ALTGRP_ID	Char	822	829	The default group associated with this operator.
USOPR_AUTO	Yes/No	831	834	Is this operator to receive messages automated within the sysplex?
USOPR_HC	Yes/No	836	839	Is this operator to receive messages that are directed to hard copy?
USOPR_INT	Yes/No	841	844	Is this operator to receive messages that are directed to console ID zero?
USOPR_UNKN	Yes/No	846	849	Is this operator to receive messages which are directed to unknown console IDs?

User OPERPARM scope (0251)

The User OPERPARM Scope record defines the scope of the operator. There is one record per user/OPERPARM scope combination.

Table 205. User OPERPARM Scope Record. Defines the scope of an operator.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USOPRP_RECORD_TYPE	Int	1	4	Record type of the User OPERPARM Scope record (0251).

Table 205. User OPERPARM Scope Record (continued). Defines the scope of an operator.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USOPRP_NAME	Char	6	13	User ID as taken from the profile name.
USOPRP_SYSTEM	Char	15	22	System name.

User WORKATTR data record (0260)

The User WORKATTR Data record defines the logistical information for the user. There is one record per user/WORKATTR data combination.

Table 206. User WORKATTR Data Record. Defines the SYSOUT delivery information for a user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USWRK_RECORD_TYPE	Int	1	4	Record type of the User WORKATTR Data record (0260).
USWRK_NAME	Char	6	13	User ID as taken from the profile name.
USWRK_AREA_NAME	Char	15	74	Area for delivery.
USWRK_BUILDING	Char	76	135	Building for delivery.
USWRK_DEPARTMENT	Char	137	196	Department for delivery.
USWRK_ROOM	Char	198	257	Room for delivery.
USWRK_ADDR_LINE1	Char	259	318	Address line 1.
USWRK_ADDR_LINE2	Char	320	379	Address line 2.
USWRK_ADDR_LINE3	Char	381	440	Address line 3.
USWRK_ADDR_LINE4	Char	442	501	Address line 4.
USWRK_ACCOUNT	Char	503	757	Account number.

User OMVS data record (0270)

The User OMVS Data record defines the information required by z/OS UNIX to verify that users are associated with a valid z/OS UNIX user identifier (UID). These records define the UIDs that have been assigned to RACF users, their default directory, default program name, and user limits.

There is only one record per user/UID data combination.

Table 207. User OMVS Data Record. Defines the z/OS UNIX user identifier (UID) for a RACF user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USOMVS_RECORD_TYPE	Int	1	4	Record type of the User Data record (0270).
USOMVS_NAME	Char	6	13	User name as taken from the profile name.
USOMVS_UID	Char	15	24	z/OS UNIX user identifier (UID) associated with the user name from the profile.
USOMVS_HOME_PATH	Char	26	1048	HOME PATH associated with the z/OS UNIX user identifier (UID).
USOMVS_PROGRAM	Char	1050	2072	Default Program associated with the z/OS UNIX user identifier (UID).
USOMVS_CPUTIMEMAX	Int	2074	2083	Maximum CPU time associated with the UID.
USOMVS_ASSIZEMAX	Int	2085	2094	Maximum address space size associated with the UID.
USOMVS_FILEPROCMAX	Int	2096	2105	Maximum active or open files associated with the UID.
USOMVS_PROCUSERMAX	Int	2107	2116	Maximum number of processes associated with the UID.
USOMVS_THREADSMAX	Int	2118	2127	Maximum number of threads associated with the UID.

Table 207. User OMVS Data Record (continued). Defines the z/OS UNIX user identifier (UID) for a RACF user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USOMVS_MMAPAREAMAX	Int	2129	2138	Maximum mappable storage amount associated with the UID.
USOMVS_MEMLIMIT	Char	2140	2148	Maximum size of non-shared memory
USOMVS_SHMEMAX	Char	2150	2158	Maximum size of shared memory

User NETVIEW segment record (0280)

The User NETVIEW segment record defines the information required by NetView®.

There is only one record per user profile that contains a NETVIEW segment.

Table 208. User NETVIEW Segment Record. Defines the NetView segment for a RACF user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USNETV_RECORD_TYPE	Int	1	4	Record type of the user NETVIEW segment record (0280).
USNETV_NAME	Char	6	13	User ID as taken from profile name
USNETV_IC	Char	15	269	Command list processed at logon
USNETV_CONSNAME	Char	271	278	Default console name
USNETV_CTL	Char	280	287	CTL value: GENERAL, GLOBAL, or SPECIFIC
USNETV_MSGRECVR	Yes/No	289	292	Eligible to receive unsolicited messages?
USNETV_NGMFADMN	Yes/No	294	297	Authorized to NetView graphic monitoring facility?
USNETV_NGMFVSPN	Char	299	306	Value of view span options

User OPCLASS record (0281)

The User OPCLASS record defines the information required by NetView.

There is only one record per OPCLASS specified in the NETVIEW segment.

Table 209. User OPCLASS Record. Defines the OPCLASS for a RACF user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USNOPC_RECORD_TYPE	Int	1	4	Record type of the user OPCLASS record (0281).
USNOPC_NAME	Char	6	13	User ID as taken from the profile name
USNOPC_OPCLASS	Int	15	19	OPCLASS value from 1 to 2040

User DOMAINS record (0282)

The User DOMAINS record defines the information required by NetView.

There is only one record per DOMAIN specified in the NETVIEW segment.

Table 210. User DOMAINS Record. Defines the DOMAIN for a RACF user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USNDOM_RECORD_TYPE	Int	1	4	Record type of the user DOMAINS record (0282).
USNDOM_NAME	Char	6	13	User ID as taken from the profile name
USNDOM_DOMAINS	Char	15	19	DOMAIN value.

User DCE data record (0290)

The User DCE Data record defines the non-repeating group information that is contained within the user's DCE segment.

Table 211. User DCE Data Record. Defines the non-repeating information in the user's DCE segment.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USDCE_RECORD_TYPE	Int	1	4	Record type of the user DCE data record (0290).
USDCE_NAME	Char	6	13	RACF user name as taken from the profile name.
USDCE_UUID	Char	15	50	DCE UUID associated with the user name from the profile.
USDCE_DCE_NAME	Char	52	1074	DCE principal name associated with this user.
USDCE_HOMECELL	Char	1076	2098	Home cell name.
USDCE_HOMEUUID	Char	2100	2135	Home cell UUID.
USDCE_AUTOLOGIN	Yes/No	2137	2140	Is this user eligible for an automatic DCE login?

User OVM data record (02A0)

The User OVM Data record defines the information required by OpenExtensions. These records define the user identifiers (UIDs) that have been assigned to RACF users, their default directory, default program name, and the file system root.

Table 212. User OVM Data Record. Defines the UID for a RACF user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USOVM_RECORD_TYPE	Int	1	4	Record type of the user OVM data record (02A0).
USOVM_NAME	Char	6	13	User name as taken from the profile name.
USOVM_UID	Char	15	24	User identifier (UID) associated with the user name from the profile.
USOVM_HOME_PATH	Char	26	1048	Home path associated with the user identifier (UID).
USOVM_PROGRAM	Char	1050	2072	Default program associated with the user identifier (UID).
USOVM_FSROOT	Char	2074	3096	File system root for this user.

User LNOTES data record (02B0)

The User LNOTES Data record contains the Lotus Notes for z/OS information defined in the LNOTES segment of the user's profile.

Table 213. User LNOTES Data Record. Defines the Lotus Notes® information for the user.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USLNOT_RECORD_TYPE	Int	1	4	Record type of the LNOTES data record (02B0).
USLNOT_NAME	Char	6	13	User ID as taken from the profile name.
USLNOT_SNAME	Char	15	78	LNOTES short name associated with the user ID.

User NDS data record (02C0)

The User NDS Data record contains the Novell Directory Services for OS/390 information defined in the NDS segment of the user's profile.

Table 214. User NDS Data Record. Defines the NDS information for the user profile.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USNDS_RECORD_TYPE	Int	1	4	Record type of the NDS data record (02C0).

Table 214. User NDS Data Record (continued). Defines the NDS information for the user profile.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USNDS_NAME	Char	6	13	User ID as taken from the profile name.
USNDS_UNAME	Char	15	260	NDS user name associated with the user ID.

User KERB data record (02D0)

The User KERB Data record defines the Kerberos principal information for a user. There is one record per user profile that contains a KERB segment.

Table 215. User KERB Data Record. Defines the KERB information for the user profile.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USKERB_RECORD_TYPE	Int	1	4	Record type of the User KERB segment record (02D0).
USKERB_NAME	Char	6	13	RACF user name as taken from the profile.
USKERB_KERBNAME	Char	15	254	The Kerberos principal name.
USKERB_MAX_LIFE	Int	256	265	Maximum ticket life.
USKERB_KEY_VERS	Int	267	269	Current key version.
USKERB_ENCRYPT_DES	Yes/No	271	274	Is key encryption using DES enabled?
USKERB_ENCRYPT_DES3	Yes/No	276	279	Is key encryption using DES3 enabled?
USKERB_ENCRYPT_DESD	Yes/No	281	284	Is key encryption using DES with derivation enabled?
USKERB_ENCRPT_A128	Yes/No	286	289	Is key encryption using AES128 enabled?
USKERB_ENCRPT_A256	Yes/No	291	294	Is key encryption using AES256 enabled?
USKERB_KEY_FROM	Char	351	358	Key source. Valid values are PASSWORD or PHRASE.

User PROXY record (02E0)

The user PROXY record identifies default information related to the LDAP proxy for a user. There is only one record per user profile that contains a PROXY segment.

Table 216. User PROXY Record

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USPROXY_RECORD_TYPE	Int	1	4	Record type of the user PROXY record (02E0).
USPROXY_NAME	Char	6	13	RACF user name as taken from the profile name.
USPROXY_LDAP_HOST	Char	15	1037	LDAP server URL.
USPROXY_BIND_DN	Char	1039	2061	LDAP BIND distinguished name.

User EIM data record (02F0)

The user EIM record defines the LDAPBIND profile for a user. There is one record per user profile that contains the EIM segment.

Table 217. User EIM Record

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USEIM_RECORD_TYPE	Int	1	4	Record type of the user EIM segment record (02F0).
USEIM_NAME	Char	6	13	User name.
USEIM_LDAPPROF	Char	15	260	EIM LDAPBIND profile name.

User CSDATA Custom fields record (02G1)

The User CSDATA Custom fields record defines custom fields associated with a user. There is one record per combination of user and CSDATA custom fields.

Table 218. User CSDATA Custom fields record

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
USCSD_RECORD_TYPE	Int	1	4	Record type of the user CSDATA custom fields record (02G1).
USCSD_NAME	Char	6	13	User name.
USCSD_TYPE	Char	15	18	Data type for the custom field. Valid values are CHAR, FLAG, HEX, NUM.
USCSD_KEY	Char	20	51	Custom field keyword; maximum length = 8.
USCSD_VALUE	Char	53	1152	Custom field value.

Data set record formats

The records associated with data sets are:

- Data Set Basic Data
- Data Set Categories
- Data Set Conditional Access
- Data Set Volumes
- Data Set Access
- Data Set Installation Data
- Data Set DFP Data
- Data Set TME Data Record

Data set basic data record (0400)

The Data Set Basic Data record defines the basic information for a data set. There is one record per data set profile.

Table 219. Data Set Basic Data Record. Defines the basic information about a data set.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
DSBD_RECORD_TYPE	Int	1	4	Record type of the Data Set Basic Data record (0400).
DSBD_NAME	Char	6	49	Data set name as taken from the profile name.
DSBD_VOL	Char	51	56	Volume upon which this data set resides. Blank if the profile is generic, and `*MODEL` if the profile is a model profile.
DSBD_GENERIC	Yes/No	58	61	Is this a generic profile?
DSBD_CREATE_DATE	Date	63	72	Date the profile was created.
DSBD_OWNER_ID	Char	74	81	The user ID or group name that owns the profile.
DSBD_LASTREF_DATE	Date	83	92	The date that the data set was last referenced.
DSBD_LASTCHG_DATE	Date	94	103	The date that the data set was last changed.
DSBD_ALTER_CNT	Int	105	109	The number of times that the data set was accessed with ALTER authority.
DSBD_CONTROL_CNT	Int	111	115	The number of times that the data set was accessed with CONTROL authority.
DSBD_UPDATE_CNT	Int	117	121	The number of times that the data set was accessed with UPDATE authority.
DSBD_READ_CNT	Int	123	127	The number of times that the data set was accessed with READ authority.
DSBD_UACC	Char	129	136	The universal access of this data set. Valid values are `NONE`, `EXECUTE`, `READ`, `UPDATE`, `CONTROL`, and `ALTER`.

Table 219. Data Set Basic Data Record (continued). Defines the basic information about a data set.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
DSBD_GRPDS	Yes/No	138	141	Is this a group data set?
DSBD_AUDIT_LEVEL	Char	143	150	Indicates the level of resource-owner-specified auditing that is performed. Valid values are `ALL`, `SUCCESS`, `FAIL`, and `NONE`.
DSBD_GRP_ID	Char	152	159	The connect group of the user who created this data set.
DSBD_DS_TYPE	Char	161	168	The type of the data set. Valid values are `VSAM`, `NONVSAM`, `TAPE`, and `MODEL`.
DSBD_LEVEL	Int	170	172	The level of the data set.
DSBD_DEVICE_NAME	Char	174	181	The EBCDIC name of the device type on which the data set resides.
DSBD_GAUDIT_LEVEL	Char	183	190	Indicates the level of auditor-specified auditing that is performed. Valid values are `ALL`, `SUCCESS`, `FAIL`, and `NONE`.
DSBD_INSTALL_DATA	Char	192	446	Installation-defined data.
DSBD_AUDIT_OKQUAL	Char	448	455	The resource-owner-specified successful access audit qualifier. This is set to blanks if `AUDIT_LEVEL` is `NONE`. Otherwise, it is set to either `READ`, `UPDATE`, `CONTROL`, or `ALTER`.
DSBD_AUDIT_FAQUAL	Char	457	464	The resource-owner-specified failing access audit qualifier. This is set to blanks if `AUDIT_LEVEL` is `NONE`. Otherwise, it is set to either `READ`, `UPDATE`, `CONTROL`, or `ALTER`.
DSBD_GAUDIT_OKQUAL	Char	466	473	The auditor-specified successful access audit qualifier. This is set to blanks if `GAUDIT_LEVEL` is `NONE`. Otherwise, it is set to either `READ`, `UPDATE`, `CONTROL`, or `ALTER`.
DSBD_GAUDIT_FAQUAL	Char	475	482	The auditor-specified failing access audit qualifier. This is set to blanks if `GAUDIT_LEVEL` is `NONE`. Otherwise, it is set to either `READ`, `UPDATE`, `CONTROL`, or `ALTER`.
DSBD_WARNING	Yes/No	484	487	Does this data set have the WARNING attribute?
DSBD_SECLEVEL	Int	489	491	The data set security level.
DSBD_NOTIFY_ID	Char	493	500	User ID that is notified when violations occur.
DSBD_RETENTION	Int	502	506	Retention period of the data set.
DSBD_ERASE	Yes/No	508	511	For a DASD data set, is this data set scratched when the data set is deleted?
DSBD_SECLABEL	Char	513	520	Security label of the data set.

Data set categories record (0401)

The Data Set Categories record defines the categories to which a data set belongs. There is one record per data set/category combination.

Table 220. Data Set Categories Record. Defines the categories with which a data set is associated.

		Position		
Field Name	**Type**	**Start**	**End**	**Comments**
DSCAT_RECORD_TYPE	Int	1	4	Record type of the Data Set Categories record (0401).
DSCAT_NAME	Char	6	49	Data set name as taken from the profile name.
DSCAT_VOL	Char	51	56	Volume upon which this data set resides. Blank if the profile is generic, and `*MODEL` if the profile is a model profile.
DSCAT_CATEGORY	Int	58	62	Category associated with this data set.