



Changes rvsMVS 4

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Changes rvsMVS

Rel. 4.08, Level 00: 03.03.09

- **Format of Control- Dataset has been changed. Please refer release notes and manuals for more information about compatibility and interfaces.**
- **A separate patch fixes a problem with backward compatibility in SNA-LU0 linedriver. Please read installation notes for more information**
- Improvement: code-translation when routing TEXT files can be disabled by parameter
- Improvement: New field ACCTCPN in rvs accounting record ACTXTAREA. ALCTYPE extended by line types T for TCP/IP and H for XOT. (IN330168)
- Improvement: New fields in rvs accounting record ACTXTAREA supporting transmissions of big files
- Improvement: New fields in SMF record supporting transmissions of big files.
- Bug fixing: empty volume parameter in resident receive entry overwrites volume parameter in CNTL (IN387528)
- Improvement: timeout for getting ENQ in case of receiving GDG files can be modified by parameter (IN339329)
- Improvement: EERP can be suppressed by parameter
- Entries in station table cannot span more than one line anymore
- Improvement: primary allocation in SNA-LU0 linedriver increased
- Bug fixing: first level pointer can be set by parameter for temporary files used by online-security component (IN383449)
- Improvement: Output of DF076A extended with earliest transmission date and time. New fields for transmission of big files.

Rel. 4.07, Level 00: 14.01.09

- **Format of Control- Dataset has been changed. Please refer Release Notes and manuals for more information about compatibility and interfaces.**
- Improvement: no code-translation when routing TEXT files (former: ASCII->EBCDIC->ASCII)
- Bug fixing: evaluation of rename macro improved (IN339392)
- Bug fixing: Message DF5274P corrected
- Bug fixing: abend 0C9 in DF094A corrected. abend occurred when restarting transmissions of big files
- Bug fixing: problem with big files and unit counter corrected
- Bug fixing: wrong message in ISPF-panels when transmitting duplicate files via SNA LU0 corrected
- Improvement: recover of abend 001 on access of jobs PDS. Please refer Release Notes for more information.
- Bug fixing: Display of velocity on transmission of big files corrected.

- Bug fixing: serializing creation of send jobs improved. Corrects problem with assigning same timestamp (queuing time) for multiple send jobs.
- Bug fixing: serializing receiving of GDG datasets corrected

Rel. 4.06, Level 00: 03.07.08

- Bug fixing: command "DD EERP" corrected (IN284073) (DF052A)
- Bug fixing: serialize FTP transmissions (IN294289) (DF088F)
- Disable check of double OID (DF022B, DF052A)
- Bug fixing: license keys with year > 2009 are useable now (DF018A, DF130B00)
- Bug fixing: RVSDYN Macro corrected (DF066B)
- Improvement: Job data sets for RRE are opened and closed in RDS task DF052X (DF052X, DF058A) (ERNO 17)
- Improvement: Message DF5820I, count (CNT=...) is expanded to 5 digits (ERNO 54)
- Improvement: ISPF panel "display of transmissions" for received data sets shows in details if a RRE was used (ERNO 62)
- Bug fixing: Message DF9206E corrected (DF093C), (ERNO 40)
- Bug fixing: check for duplicate file and GDG dataset corrected (DF119A), (ERNO 63)
- Bug fixing: rvs user Codes 116 and 120 are unique now. New rvs user Codes are 117 and 118. (DF117A, DF171A, DF178A, DF094A) (ERNO 64)
- Improvement: If you receive in GDG dataset and the ENQ is already used by another task, the details of panel entry contain the additional information 'GDG basic is use by another job'. (DF037B, DF124A) (ERNO 66)
- Bug fixing: FTP ABEND 0C4 corrected (DF088F) (ERNO 67)
- Bug fixing: corrected problem for 'X SID' (XNUMCHCK) (DF048B)
- XOT (DF095I, DF095J, DF095K) (ERNO 46, 59, 61):
 - Improvement: line driver doesn't stop automatically for all TCP/IP errors
 - messages for 'connect' improved
 - Bug fixing: if you stop the line drive, the listen socket is always closed now
 - improve XOT trace functionality
- Bug fixing: creation of RRE via job corrected (DF080A)

Rel. 4.05, Level 00: 22.02.08

- Bug fixing FTP task DF088Y: deleting of datasets on non-SMS managed volumes
- Bug fixing DF052X: refresh of AR records for compression / security
- Bug fixing DF072A00 : dynamic allocation of rvs log dataset corrected
- Bug fixing DF094A: time check corrected during receiving SFID and EERP
- Bug fixing DF124A: rename of datasets for compression / security
- Improvement: ABEND 837 is recovered for SNA similarly to ABEND B37

- Change: usage of XOT component is controlled by license key (module name 'H')
- Change: default value of XOT receiver port from 3305 to 1998

Rel. 4.04, Level 00: 29.11.07

- Bug fixing Odette task (DF094A): invalid record/byte count during receive because of incorrect handling of filler byte
- Reset restart position in case of invalid record/byte count
- Bug fixing SNA-restart
- Bug fixing DF078B: incorrect call of DF076A
- Corrected offline features security and compression for z/OS 1.7 and higher
- Improvement: a warning is written if free space for rvslog is lower than 15% and rvsMVS is stopped if free space is lower than 5%
- Maximal count of sessions of TCP/IP, LU62 and FTP is reduce to 999
- Bug fixing DF052X und DF124A: receive of GDG data set with offline features (Compression and Security) failed
- Bug fixing DF54K: ABEND 0C4 in DELETE function
- Improvement panel 2: shows additionally active and canceled records
- Improvement panel 6: it works also as "read only" panel

Rel. 4.02, Level 02: 10.08.07

- New rvs usercodes as text messages in ISPF-Panels
- Overhead in case of transmission interrupt was reduced
- Improve error handling when open of a dataset fails

Rel. 4.02, Level 00: 20.07.07

- Bug fixing XOT: free of unused memory
- Bug fixing XOT: cause and diag in console message
- Bug fixing: stop/cancel rvsMVS
- RRE's are cached by a monitor memory list (see Operation_Manual chapter 5.27, new commands
 - DS RRLIST
 - F RRLIST,R)
- Bug fixing DF058A: abend during job- submit of empty member
- Bug fixing DF008A: abend 0C4 (buffer pool)
- Improve timer handling
- Bug fixing Operator Task: abend 23E

Rel. 4.01, Level 00: 25.05.07

- Bug fixing XOT: abend 4088
- Bug fixing XOT: free of unused sockets
- Bug fixing XOT: handling of "DS" command
- Bug fixing: wrong allocation of PDSE
- Bug fixing: stop, cancel of rvsMVS (IN#175066)
- Bug fixing: parameter DSPTI not changeable
- Reactivation of RMOP after abnormal end
- new ODETTE codes
- added licensing by the use of ODETTE id
- improve job submit
- DF078A is obsolete.
Suitable REXX scripts are added, instead of DF078A.

Rel. 4.00, Level 00: 14.02.07

- XOT implemented.
- Online Encryption implemented.
- New Status EWR (End of Transmission and waiting for EERP)
- Status END changed (End of Transmission and EERP received)
- New place holders for physical DSN when creating resident receive Entries (AR- Record)
- New format for timestamp in logfiles
- Test for valid security key on start of reception of encrypted files
- Status of interrupted transmissions will be set to END, when receiving "duplicate file"- error on restart of transmission
- Repeat allocating of INTRDR during end of transmission processing if it is temporary not available
- Shutdown of rvsMVS if license key is not valid during startup
- Fixed problem (0C4) when using routing and offline encryption
- Corrected handling in case of timeout during end file (don't send a file twice)
- New files on installation CD

Rel. 3.1, Level 00: 14.02.06

- SNMP interface implemented.
- Expiration date expanded from "+nn" to "+nnnn"
- Avoid a dot at position 44 of dataset name
- Fixed problem with EERPAD parameter (see last known bug in release 3.00.00)

Rel. 3.0, Level 00: 12.12.05

- Implementation of User Separation (USP) see chapter 9.6 in installation manual.
- Added new panel to view transmissions if KD and LOG dataset are in read only mode (see user manual chapter 2.7).
- Added new placeholder for RRE (see user manual chapter A.3).
- Added support for files greater than 2 GByte for encryption / compression.
- Corrected problem for large PDSE datasets (INC#21974).
- Corrected problem with zero sized records in variable datasets (INC#12461)
- Corrected problem in ODETTE protocol with zero sized subrecords
- Known Bug: parameter EERPAD doesn't work well, the problem will be fixed ASAP.

Rel. 2.5, Level 18: 25.04.05

- Problem: Incorrect timeout handling in the ODETTE task.
Solution: Corrected timeout handling.

Rel. 2.5, Level 17: 15.03.05

- Problem: multiple transmit of the same file in conjunction to message "DF5406 – CI IN EXCLUSIVE CONTROL BY ANOTHER TASK".
Solution: Corrected rvs monitor.
- Problem: Sometimes allocation/rename problem in case of RR with replace=yes.
Solution: avoid rename in case of RR with replace=yes implemented.
- Problem: Operator canceled task during restart of a large file, which took a lot of time. The Cancel-command "detach of rvs task" interrupted KD update. The message "DF5406 – CI IN EXCLUSIVE CONTROL BY ANOTHER TASK" occurred.
Solution: Improved handling of KD update and detach of rvs tasks.

Rel. 2.5, Level 16: 04.03.05

- Problem (INC#21053): Currently you can only use license keys where the expiration date is not longer than 05365.
Solution: Corrected check of expiration date.
- Problem: Abnormal end 0C4 occurs, if you use the command "Y STATIONS" with wrong syntax.
Solution: We improved command routine
- Problem: You can't establish a SNA connection, if ULS (User Level Security) is enabled in the license key.

Solution: Corrected the handling with KD record bits (problem ' disabled feature in H record ').

- Problem: If you use KD dataset in SYSPLEX environment, you can get a problem with duplicate indexes. The Problem can occur if a new EXTEND of KD data set is created.

Solution: The problem is fixed, if your load library is APF-authorized. If not, you have to use a primary allocation of KD data set which is large enough, to avoid build of new EXTEND for KD data set.

Rel. 2.5, Level 15: 07.10.04

- If you used FORMAT=TEXT, you couldn't change the translation table (always E2ANSI or ANSI2E). Now you can choose an own translation table (TSD#98759).
- Corrected Format=TEXT for FIXED datasets with external decryption / compression). Now all lines have the correct length = record length (include trailing spaces). (INC#08361)
- Use now dynamic allocation to allocate files for external decryption / compression. (INC#7238)
- Corrected handling of session number in messages for external decryption / compression

Rel. 2.5, Level 14: 26.08.04

- Added feature User Level Security (ULS)

Basically User Level Security enables a user to user communication. It is provided by two features:

A user is represented by its own RACF User ID and Odette ID.

Permissions are applied, which files are permitted to be transferred from which sources to which destinations - Transfer Permission

User related RACF ID and Odette IDs

A rvsMVS user represents a user account on the operating system (RACF ID). Now for every rvsMVS user can be defined an own Odette ID.

When the user sends a file, the source Odette ID - that is usually the Odette ID of the local station - is replaced by the user's Odette ID.

Partner stations have to configurate the user's Odette ID as if it would belong to a Odette station that is reached by routing.

When rvsMVS receives a file for a user's Odette ID, rvsMVS delivers the file locally and gives it user's access permissions.

Transfer Permission

Transfer permissions are applied on a per-neighbour-station base. For each neighbour station the appliance of the permissions may be switched on by the station configuration (parameter ULS=YES).

When transfer permissions are switched on (ULS=YES) for a given neighbour station then all transmissions in receive and send direction are restricted. Only these transmissions are allowed that are defined in the USER member, SN#sid member (for send) and RN#sid member (for receive) in permission dataset.

For further information see the installation manual.

Rel. 2.5, Level 13: 07.05.04

- Access to KD dataset from C-API.
- Corrected problem with FORMAT=TEXT and different translation tables.
- corrected reading of stations table.
- Corrected length of YPREFIX (1 – 5 characters)
- Corrected problem with BSC-line (abend C04)

Rel. 2.5, Level 12: 26.03.04

- Corrected using of OFTP Compression in case of offline GZIP compression.
- Error in Parameter TCPLOCAD removed.
- Error in Parameter TCPIPADR removed.
- Corrected that in case of SSRM no timeout was available
- Attribute of DF054K it was changed to non-reentrant
- Added DF079S
- DF075A00 – program is obsolete, but for compatibility added again (not more supported)
- DF148A – program is obsolete, but for compatibility added again (not more supported)

Rel. 2.5, Level 11: 11.02.04

- DF058A - Abend 30A at Event start removed.
- DF095A - Problem X25 multi number resolved.

Rel. 2.5, Level 10: 02.10.03 / 27.01.04

- PDS data set with LRECL = 32760 can be sent now.
- DF076A - The output of program expands by new (missing) parameters .
- Abend 0C4 at restart Comp/Decryption removed.
- MAXRETRY does not work correctly. Retry Count in KD (KDRSTNO) increased at open of the file
- Problem VOLUME (CNTL) and STORCLAS in RR Entry resolved.

- DF058A improved (reentrant)
- SECPREF: Problem with SECPREF resolved
- Restart: Problem with restart fixed (always started at position 0).
- Restart PDS Dataset: Abend 0C9 fixed.
- TCP/IP Task: Handling with long DNS name (up to 60 chars) improved.
- Panels: send-request mask improved (corrected parameters of decryption and compression)
- Trace X.25: Problem with X.25 trace removed (can't stop the trace)
- Trace TCP/IP: Problem with TCP/IP trace removed (wrong content)

Rel. 2.5, Level 09: 12.09.03

- Decryption/Compression: Improve error handling in DF052V (interface of decryption to DF310A).
- TCP/IP Task: Problem with long DNS-Name fixed (interface structure was not initialized).(DF083A/DF312A)
- Odette task: Problem with dynamic temporary allocation in case of REPLACE=YES fixed. (DF117A)
- End processing: Problem with wrong filename in case of DEVICE=TAPE fixed. (DF124A)

Rel. 2.5, Level 08: 05.09.03

- Abend after command "p rvs" removed.
- Problem with parameter TCPIPADR (sometime abend) removed.
- If decryption is enabled in licence key, parameters of decryption will affect decryption feature shown in table.

Stations tab.-Parameter DECRPTION	Parameter DF080A00 DECRPTION	Result
not set	not set	decryption disabled
not set	DECRPTION=NO	decryption disabled
not set	DECRPTION=EXT	decryption disabled (message is written)
DECRPTION=NO	not set	decryption disabled
DECRPTION=NO	DECRPTION=NO	decryption disabled
DECRPTION=NO	DECRPTION=EXT	decryption disabled (message is written)
DECRPTION=EXT	not set	decryption is used
DECRPTION=EXT	DECRPTION=NO	decryption disabled
DECRPTION=EXT	DECRPTION=EXT	decryption is used

Rel. 2.5, Level 07: 20.08.03

- Includes all changes of rvsMVS 2.05.06 Patch version
- The user exits DFUX001 and DFUX002 are replaced by DUMMY Module.

Rel. 2.5, Level 06: 20.08.03

Patch version only!

(You can use this version to patch rvsMVS 2.05.05 only.)

- ONLINE compression (COMPRESS=RVS) is replaced by offline GZIP compression
- Changes in compression/decryption module
 - CNTL member
 1. Parameter COMPRESS={EXT|YES} and DECRPTION={EXT|YES} are not longer necessary. The SECR/COMP module is active, if it is allowed by licence key (Y | Z) .
 2. Use COMPRESS=NO and/or DECRPTION=NO to switch off decryption and/or compression although it is allowed by licence key.
 3. the parameters GPUKID, GPUKNM, GPRKID und GPRKNM are removed.
 4. There are new parameters to control the allocation of temporary datasets for decryption/compression: SECRPREF, YPREFIX, YSTORCL, YMAGMCL, YDATAACL, YPALLOC, YSALLOC, YUNITC und YUNITN.
 - STATIONS member
 1. COMPRESS={GZIP|NO}
 2. DECRPTION={EXT|NO}
 3. the Parameter PPUKID, PPUKNM, SPUKID, SPUKNM, SPRKID and SPRKNM are removed.
 4. The program DF311G is replaced by function GENKEYS in program DF054K.
 5. You can find samples of jobs with the program DF054K in Dataset TABLES.
- The parameter TCPLOCAD (CNTL member) and TCPIPADR (STATIONS member) is now up to 60 characters long. (TSD Problem #56164)
- Automatic EERP is controlled by the CNTL-parameters EERPAD={YES|NO}. And the STATION-parameter DIALOPT. You can use the new command „DD EERP“ (TSD Problem #46647)
- Session Timer for Definite Response after Trailer Record (SNA) is controlled by Session Timer (SESSION Table). (TSD Problem #78663)
- QNAME for KEY dataset is „KEY-RSVK“ (GRS)
- You can switch on the messages DF5233P und DF5207P via command „T DISP1“. (problem #78521)

- The timeout values in X.25 module are increased. (Problem #60582)
- Correction in MSGOUT command for JES2. (Problem #65832)
- Correction for deleting RR fields. (Panel 5) (Problem #78414)
- Problem #72210 – SNA trace dataset not free – see documentation update

Rel. 2.5, Level 05: 13.06.02

Corrections of the following errors or problems:

- Specification of XNUMCHCK parameter (CNTL-Member) now processed separately for each CTCP.

Rel. 2.5, Level 04: 07.05.02

Corrections of the following errors or problems:

- Incorrect OFTP exchange buffer for text format if no compression is done (character X'80' at the end of the last OFTP buffer of a transmitted file).
- Automatic jobstart: variable ?FILESIZE not correct in case of restart.
- TCP/IP: component for IBM-TCP/IP does not work under Z/OS 1.2.
- TCP/IP: activation continues after GETHOSTBYNAME-failure.
- Abend 0C4 sometimes occurs during file allocation.
- Unallocation not done for a received file in case of GDG-processing when GDG-base entry did not exist.
- Receiving of EERPs now accepted even if the EERP contains invalid data.
- Autodial loop if a file is to be sent but the remote station indicates the 'send-only' option within the SSID protocol record.
- Abend 0C4 during start of rvs in conjunction with the display of an error message.
- Support of the stations parameter 'NORELAIS' for SNA connections.
- DF080A00: check for a correct remote station ID sometimes not done.
- Automatic transfer of received data into a SYSOUT-class not done if start parameter DDEVTYPE=TAPE specified.
- Routing of a received EERP to the final destination sometimes not done in case of parallel sessions (timing problem).

Rel. 2.5, Level 03: 18.01.02

Corrections of the following errors or problems:

- Determination of filesize not correct for files with more than 32767 used tracks.
- Allocation error 970C for a file to be received if the filesize (primary space specification) exceeds the capacity of 65535 tracks.
- Byte count overflow when sending or receiving files greater than 2,1 GB (invalid byte count condition at end of transmission).
- Check for 'duplicate file' condition now also done in relais-stations (not only in stations which are final destination of the file).

Rel. 2.5, Level 02: 28.11.01

Corrections of various errors or problems:

- Remote operating function: sometimes an abend S0C4 occurred during session termination or during session setup.
- Remote operating function: wrap around mode: division of line 24 (to line 3) resulted in suppression of one byte if the message text exceeded 74 bytes.
- TCP/IP: loop of message DF8304I ACCEPT FAILED ... when the maximum number of sockets (CNTL-parameter TCPMAX) has been reached.
- User abend 1720 in program DF072A (rvs-control dataset damaged): this situation might have occurred in a multi-system (LPAR) environment, but is solved now.
- SNA: ENQ for SYSDSN sometimes held in case of GDG processing.
- SNA: files have sometimes not been sent after processing of the refresh command for the rvs stations table (REFR STAT).
- Dispatcher task abend S12F (timer error).
- Timeout value in case of allocation problems increased to 10 minutes.
- Performance improvements for dataset I/Os: up to 16 buffers are used for reading or writing data.
- TCP/IP: problems with abends SB37 for trace datasets are now solved (avoided). Trace will automatically be switched off if this abend has occurred.
- Improved error recovery in case of abend S837 when receiving files.
- PDS-transfer via OFTP: routing to another final destination did not work.

New features:

- Functional enhancement a rvsMVS monitor controlled **External Decryption** and **Compression Feature**. This functional change consists

- of a separate management of a new send request queue and a new receive entry queue. These queues will be managed by the **Service Provider Task** based on a new Send Dispatcher Task and a new Receive Dispatcher Task. Send Dispatcher gets control from the rvsMVS monitor to encrypt and to compress the data set before sending if it is flagged in the send request. The Receive Dispatcher gets control after a complete receiving of such a data set for decompressing and decryption. After successfully finishing these processes the well known rvsMVS post processing tasks like RR-Entry Processing, rename or GDG handling will be performed. End-to-End Response will be transferred after successfully finishing these processes. See Document "Dokumentation_Rel2502".
- Support of parallel remote operator sessions. Up to 8 sessions for remote operating within one monitor may now be established at the same time. All messages displayed by the rvs-monitor are sent to all active remote operator sessions.
 - New feature - job start in case of send / receive transmission failure. The condition of failure to send / receive a file can be defined as meeting one of the following criteria:
 - The file was not sent / received before a specified date and time;
 - The file was not sent / received because the number of retries exceeded a specified limit.See the following parameter descriptions: MAXRETRY, TRANSHLD, ERRJOB, ENDDATE and ENDTIME (program DF080A00).
 - Introduction of a new parameter (NORELAIS=sid) to suppress routing to a certain station. This function is available only for connections using the ODETTE protocol.