

Reality V14.2

Product Updates

To install these updates the following should serve as a guideline;

UNIX/LINUX platforms:

The file is delivered as a 'compressed' file to save download time. Once the compressed file is loaded onto the target machine use the UNIX 'uncompress' utility to uncompress the file. The resulting file will be a UNIX 'tar' file. This 'tar' file needs to be extracted to a directory, change directory using 'cd' to a suitable place to hold the contents of the tar file and then use 'tar -xvf <path to filename>' to extract the contents of the tar file. Once the contents of the 'tar' file have been extracted you are then ready to proceed with the installation. To install all of the fixes, whilst logged in as the user 'realman', run 'install_fix -a <absolute path to directory holding the fixes>'

Windows Platforms:

The file delivered is a self installing archive and can be run directly from Internet Explorer (or other web browser). Alternatively it can be downloaded and run as normal (double click it in explorer or type the name from command prompt).

The following fixes were released on 24th August 2011.

Fix No	Bug No	Description
V14.2.0.0001	90776	Allow TCL stacker dot commands to be PERFORMed.
V14.2.0.0002	90726	Correct possible data truncation if CALL conversion does not convert the data.
V14.2.0.0003	90760	Extend ROSFS to support up to 255 open files and 255 open indexes.
V14.2.0.0004	85490	Allow physical save/load to work with a 2K frame size database.
V14.2.0.0006	85493	Correct possible incorrect unassigned var during MATBUILD.
V14.2.0.0007	85491 85494 90784	Allow DataBasic debugger to G/LF after a warning but not after an abort.
V14.2.0.0008	85496	PERFORM "WYSE50" now sets config in parent context.
V14.2.0.0009	85503	Prevent loss of type-ahead when SYS out on Solaris and AIX.
V14.2.0.0010	85502	Correct error message display by TCL stacker.
V14.2.0.0011	85500	Selecting large files can run out of memory
V14.2.0.0012	85439	Fix multithreaded restore of delete index followed by create index.
V14.2.0.0013	85497 90790 90789	English could return incorrect results when comparing very large numbers.
V14.2.0.0014	85498	Allow INDEX verbs to specify indexname in quotes.
V14.2.0.0015	85499	Add mvBase DataBasic @(-17) & @(-18) mapping.
V14.2.0.0016	85505	Fix map failure problem when connecting to database on Windows
V14.2.0.0018	85508	'realusers -u [dbase]' now syncs Reality/UNIX user IDs correctly, without core-dumping.
V14.2.0.0019	90737	Increase size of terminal input buffer from 240 to 2040 chars.
V14.2.0.0020	85507	Fix creating compressed tapes.
V14.2.0.0021	90797	ACCOUNT-RESTORE no longer deletes attribute 13 of restored d-pointers.
V14.2.0.0022	90802	INSTALL_FIX now works correctly when custom option TCLDELIMITER is set.
V14.2.0.0023	90791	Increase width of TDM input field.
V14.2.0.0024	-----	Provide set of system reporting tools.
V14.2.0.0025	85512	Allow DataBasic IN statement to use stacked input.
V14.2.0.0026	90805	System utilities handle back-slashes in file paths on Windows when TCLDELIMITER option is set.
V14.2.0.0028	85511 90807	Correct possible Remote DataBasic stale pointer re-usage abort.

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V14.2.0.0029	85514	Enable remote tape server to handle concurrent connects on Windows 7/Server 2008
V14.2.0.0030	90804	Correct line numbering if DataBasic compiler backs up over a continuation!
V14.2.0.0031	85519	New custom option to automatically use supplied IID in REFORMAT.
V14.2.0.0032	85495	Allow Filesave to be used from TLMENU
V14.2.0.0034	85405	Stop ANALYZE killing target process
V14.2.0.0035	85522	Resolve TL problem when handling large items
V14.2.0.0037	85520	Windows only - enable database daemon to recover database after realdump dies.
V14.2.0.0038	85524	Allow a picture mask zero length format field, e.g "L%0", to inhibit the field, for MultiValue compatibility.
V14.2.0.0039	90813	Enhance DBUPDATE to fully update all accounts and database.
V14.2.0.0040	90814	Correct MultiValue form of DataBasic READLIST when used with an index.
V14.2.0.0041	85523	Suppress benign "Unable to decode key" messages in daemon.log
V14.2.0.0042	90815	Help realcip to keep up with rawlog updates.
V14.2.0.0043	90812	Fix possible DataBasic compiler abort due to NEXT with no variable name.
V14.2.0.0044	90817	Correct problem with multiple definition of same user function.
V14.2.0.0045	90818	Enhance MCXD conversion to use string math if accumulator overflows.
V14.2.0.0046	85530 90820	Clear up reserved licence on failed LOGON. Session licences to be enabled 'by instance'. RELEASE.PORT no longer core dumps.
V14.2.0.0047	90825	Fix reality -v on Windows
V14.2.0.0048	85479	Diagnostic to fix realdump problems on Windows
V14.2.0.0049	85484	Allow ENGLISH verbs to be used in TCL macros.
V14.2.0.0050	85536	Stop sort code loosing keys during very large sorts.
V14.2.0.0051	85408	Force CREATE/DELETE-FILE operations to be logged
V14.2.0.0053	90827	Enable install_fix on Windows to build realitydbg
V14.2.0.0054	90829	Allow DataBasic SORT() to conditionally behave like D3.
V14.2.0.0055	85539	Enable Install_SN to work on latest VM Ware
V14.2.0.0059		Improve handling of fix number for install_fix -r (UNIX only)

Fixes release 19th March 2012

Fix No	Bug No	Description
V14.2.0.0054	90829	Allow DataBasic SORT() to conditionally behave like D3.
V14.2.0.0056	85428	English index selection could fail if exploding limiters used.
V14.2.0.0057	85540 90831	Nested remote selects work + remote IIDs can be up to 240 characters
V14.2.0.0058	90832	STOP-DESPOOLER when job is active will terminate npu or other child printer
V14.2.0.0060	85541	Stop fsr TCP messages filling daemon.log
V14.2.0.0061	85543	Correct ACCESS(3) in DB from English and Triggers if null item.
V14.2.0.0062	90835	Fix issues with dimensioned arrays, including CUSTOMER.IDENT issue when making database on Linux.
V14.2.0.0063	90836	When a label is written directly it will not be compressed or encrypted.
V14.2.0.0064	85544	Retry net receive up to 10x on timeout.
V14.2.0.0065	85545	\$TMPDIR no longer causes core dump
V14.2.0.0066	85546	Fix problem resizing system files with mkdbase -r
V14.2.0.0067	90491	Force CATALOG to work with non-cached object items.
V14.2.0.0068	85547	Do not allow SE to create items with system delimiters in their names.

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V14.2.0.0069	90840	The GROUP(a,b,c,0) function cannot be used in a local subroutine!
V14.2.0.0070	90839	Enable C-ISAM i/f to access indexed files.
V14.2.0.0071	85548	Correct internal interface of SYSTEM functions 105 and 106 and 107.
V14.2.0.0072	85553	Correct DataBasic INPUT status when used with stacked input.
V14.2.0.0073	85557	Avoid reaveient swamping daemon log or hanging
V14.2.0.0074	85558	Enable DIR-VIEW to access UNC paths
V14.2.0.0075	90850	WHERE shows server states as a number
V14.2.0.0076	90853	Correct DataBasic MAT, MATBUILD and MATWRITE statements when used with an UNASSIGNED entry.
V14.2.0.0077	-----	Enable fixes to Windows smanager
V14.2.0.0080	85572	Set \$REALDIAG=1 to enable diagnostic to diagnose process connecting without prompting for password.
V14.2.0.0081	90857	Correct DECAT to work with new DataBasic header code.

Fixes released 25 February 2013

V14.2.0.0075	90850	WHERE shows server states as a number
V14.2.0.0078	90846	Use file store instead of Windows registry
V14.2.0.0079	85573	Stop smanager trace casing GPF
V14.2.0.0082	85535 90848 90852 90856	Fix RUNOFF .PRINT INDEX SORT-LIST (R and optimise English sort.
V14.2.0.0084	85576	Resolve admin server connect failure after a period of time
V14.2.0.0085	90858	Stop show_key being overwritten when installing fix on earlier release
V14.2.0.0086	90861	Fix 14.0/14.2 Reality to get serial number after a 15.0 upgrade.
V14.2.0.0087	90862	Stop realdump GPF when saving small database followed by large database
V14.2.0.0088	85578	Do not report same TANDEM error consecutively > 6x
V14.2.0.0090	90845	Stop unexpected databasic CONNECT failures
V14.2.0.0091	90834	Stop core dump when closing file with indexes open
V14.2.0.0092	90851	Fix 'mkdbase -RN' renaming a database.
V14.2.0.0093	90863	Trap RESIZE-FILE on AFS file and reject it
V14.2.0.0094	85581	Remote tape can now be encrypted/compressed at the Reality end.
V14.2.0.0095	85582	Enable lock to be viewed when target process is waiting for a lock.
V14.2.0.0097	85579	Allow a combination of exploding and non-exploding fields to sort correctly.
V14.2.0.0098	90866	Correct use of DELETE-CATALOG with local and no MD POINTER-FILE.
V14.2.0.0099	85585 90735 90734	Add MVE SYSTEM(0) & SYSTEM(35), D3 SYSTEM(31) & MvBase SYSTEM(121).
V14.2.0.0100	85584	Allow all flavours of DataBasic to use TCLREAD statement.
V14.2.0.0101	85590	Conditionally convert DataBasic EXECUTE SETTING clause to MVE format.
V14.2.0.0102	90886	A SORT can supply a Tn conversion with the incorrect justification.
V14.2.0.0103	90882	Correct language display in LANG verbs e.g. SET-LANG.
V14.2.0.0104	85595	Allow U01AD to work with dictionaries.
V14.2.0.0105	90885	Ensure LOGICAL list verbs, eg XOR-LISTS, return correct number of items.
V14.2.0.0106	90868	Correct EQ selection of ISELECT and ICOUNT verbs.
V14.2.0.0107	90887	Stop mkdbase -r reporting "database in use"
V14.2.0.0108	90896	Correct possible divide by zero error in CREATE-INDEX (F.

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V14.2.0.0109	90902	Fix failure to open remote file causing GPF
V14.2.0.0110	90891	Rename fsadm to realsadm to avoid name conflict
V14.2.0.0111	90875	Fix GFE's reported when LOAD-IMAGE a small database in to a terabyte database.
V14.2.0.0112	85602 90910	Correct clean up of Dptr Attr13 resize parms and save of DYed indexes.
V14.2.0.0113	85605	Correct DataBasic chain if TCL command contains quotes.
V14.2.0.0115	85610	Enable greater than 2GB tape image on Linux
V14.2.0.0116	90926	Fix SQL command/server aborts on memory corruption
V14.2.0.0117	90932	AFS can cause GFEs when moving OG items to Terabyte format, either on Terabyte database or a V15 database.
V14.2.0.0118	85530 90820 90946	Clear up reserved licence on failed LOGON. Session licences to be enabled 'by instance'. RELEASE.PORT no longer core dumps.
V14.2.0.0119	90931	Allow V14.2 to read V15 or later save tapes.
V14.2.0.0120	85619	Updated licences now used without restart
V14.2.0.0122	85620	Correct DataBasic COMPARE statement when both MISSING and PRESENT requested.
V14.2.0.0123	90967	Ensure DataBasic VALTYPE always returns correct result.
V14.2.0.0124	90943	Add option to DataBasic FIELD() to control operation if delimiter NULL.
V14.2.0.0125	90972	Correct DataBasic debug line display after a V, S or L command.
V14.2.0.0126	90991	Correct filename returned in errmsg 1248 & 1249.
V14.2.0.0127	90995	Correct DataBasic OUT statement.
V14.2.0.0128	85524	Inhibit numeric formatting of literal string in ML and MR conversions.
V14.2.0.0129	85634	Reality should now reliably get system job number

Fixes released 03 June 2013

Fix No	Bug No	Description
V14.2.0.0130	85641	SYSTEM(89) can now handle large environment vars
V14.2.0.0131	85642	ENGLISH gets a run time error if exploding limiting with no matches.
V14.2.0.0132	85646	Correct interaction between LOGOFF and user exits.
V14.2.0.0133	85649	Ensure registry keys copied to file store on realsrv startup.
V14.2.0.0134	85651	DataBasic SORT function fails if suppressing NULL fields with NULL result.
V14.2.0.0135	85650	Supply new UnReal to enable Add/Change Programs to work with file store registry

Fixes released 16 Jan 2014

Fix No	Bug No	Description
V14.2.0.0136	85653	Correct verify index on an implicit index created with the L option.
V14.2.0.0137	85656	Correct MR/ML conversion code when rounding up.
V14.2.0.0138	85660	Correct size of SED's merge ID buffer.
V14.2.0.0139	85666	Correct TCL parse of value in PROC 2nd op buffer with continuation chars.
V14.2.0.0140	85664 85521 90913	Correct ISELECT and ICOUNT when used with exploding indexes.
V14.2.0.0141	85671	Fix memory leak when reading lock details through ILOCKS SFAM
V14.2.0.0142	91060	Correct VERIFY.BASIC.CONTROL and enhance WHAT verb.
V14.2.0.0143	-----	Fix removing 14.2 after installing registry updates

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V14.2.0.0144	91037	Correct DataBasic debug listing if program END statement not last active line of source.
V14.2.0.0145	91071 91077	Make SYS-UPDATE from V14.0 more resilient.
V14.2.0.0146	85684	Windows: realdump can hang trying to freeze the database
V14.2.0.0148	85688	Allow PERFORM or EXECUTE to optionally input from dynamic array data.
V14.2.0.0149	85695	Skip logoff messages when aborted by RDB
V14.2.0.0150	85697	Correct problems with updates of partial indexes.

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