

XDEMO Account v2.01 - Readme

Rocket U2 Software – October 10, 2011

Primary Purpose

The XDEMO Account is a group of test files primarily used for U2U Presentations. It will also be used on the U2 DeveloperZone site. This account will not be included in any of the formal U2 Products, like UniVerse, UniData, etc. It will also not be formally supported (see Contact Info section below). Changes to the dictionary and data structures may change in future versions of the account.

The minimum database releases required for this account are:

UniData: 6.1.15 or 7.1.2

UniVerse: 10.1.15

Changes in this edition

- In the FUR_REV file, the Revenue field has now been set to MD2 and 10R.
- In the UV version of the PLOCATION file, the LAT, LONG and LONG1 fields now have a type of 'Numeric,19,6'.

Core File Details

In the various new programs, there are references to what is called the 'core files'. These files include: FUR_REV, LOCATIONS, MEMBERS, PLOCATION, PRODUCT_REVIEW, PRODUCTS, REGION, RENTAL_DETAILS, STATES, STATES_MAPS, TRANSACTION.ACCUM, WORLD_MAP and ZIPCODES. Here are some further details on these files:

- **FUR_REV:** Contains 512 records, it includes an example revenue file.
- **LOCATIONS:** Same record count as before, three. Addresses were updated in this file. Phone/Fax number don't go to real numbers.
- **MEMBERS:** Old record count was 502. This has been increased to 2500 records. It includes imaginary credit card information and other data. The data is generated randomly. For the PASSWORD and CARDNUM fields, there is an additional ENC.PASSWORD and ENC.CARDNUM field that contain encrypted versions of those fields. In the dictionary of the MEMBERS file is a record called ENC.PARAMS that report what parameters were used for these fields. In the U2BP directory, there is a DECRYPT.EXAMPLE program that shows how the data can be decrypted again for passwords and credit card numbers. Records in this file contain no real life data.
- **PLOCATION:** Contains 57399 records. This includes all delivery pizza locations in the USA. It includes longitude and latitude positions for use with mapping software.
- **PRODUCT_REVIEW:** Two records only. No significant changes were done to this file.
- **PRODUCTS:** Old record count was 509. New record count is 390. The reduction was due to two reasons: 1) Duplicate editions of titles were removed and 2) Only movies that have a synopsis were included. The file had wide gaps in data fields, this issue has been fixed.
- **REGION:** No records. The exact purpose of this file is not currently known but is included just in case.
- **RENTAL_DETAILS:** Original record count was 2269. New record count is 2240. Fields have been fixed to not have any gaps. The dictionary items have been changed to be similar syntax. The various sets of Star ratings had different naming conventions previously.
- **STATES:** Same record count as before. It now includes a REGION and DIVISION field.
- **STATES_MAPS:** Contains 54 records. Used in conjunction with PLOCATION.
- **TRANSACTION.ACCUM:** No records. The exact purpose of this file is not currently known but is included just in case. This file has not been adjusted for SQL syntax.
- **WORLD_MAP:** Contains 239 records. Related to PLOCATION file.
- **ZIPCODES:** Contains 100 records. Related to PLOCATION file.

CONVERT.SQL in the UniData version of XDEMO

Starting with XDEMO version 2.00, and in the UniData version of the account, CONVERT.SQL has been executed on these files: FUR_REV, PLOCATION, STATES_MAPS, WORLD_MAP and ZIPCODES. The other base files have not had CONVERT.SQL run on them. The CONVERT.SQL converts the files to tables and must be modified with CREATE/DROP TABLE.

To run CONVERT.SQL on all XDEMO files, run the command 'CONVERT.SQL.XDEMO'. This includes the files noted in the paragraph above.

To only run CONVERT.SQL on the remaining XDEMO files not listed above run 'CONVERT.SQL.XDEMO.CORE'.

Data/Dictionary Exporting and Importing

BUILD.XDEMO.DATAS & BUILD.XDEMO.DICTS: These programs allow the user to import and export the data or dictionary info to/from the XDEMO files. This will be useful if support would like a copy of the data/dictionary for a support case. Only the XML file generated from these programs is needed. The programs use the XMLTODB and DBTOXML functionality to import and export to a temporary work file before copying the various records to the necessary XDEMO file. Order of execution for these programs is:

- Prompt for data/dict file, XML file, and process type (Export or Import)
- Builds work file, it will either be called BUILD.XDEMO.DATAS.WORK or BUILD.XDEMO.DICTS.WORK
- Determines max number of lines all records
- Creates a .MAP file for the xml file. This is done dynamically on each call to the program.
- For Importing, it reads the XML file using the MAP file into the Work file and copies the data or dictionary info to the needed XDEMO files.
- For Exporting, it copies the data from the XDEMO files into the work file and exports the info to the xml file.
- Work file is deleted.

Examples of syntax:

Importing data into the PRODUCTS data file:

BUILD.XDEMO.DATAS -I PRODUCTS -X INPUT.DATA.FILE.XML

Exporting items from the MEMBERS dictionary file:

BUILD.XDEMO.DICTS -E MEMBERS -X OUTPUT.DATA.FILE.XML

Review the default files in the _XML_ or &XML& directories for the layout used in the xml files.

Items that will not be included in XDEMO Accounts

It has been asked if the XDEMO account will include options to enable it, for example, SBXA, U2 DataVu or other U2 add-ons. The only exception with this is the inclusion of the 5 new bases files in version 2.00.

Extensive manipulation of the XDEMO account for the products noted previously will not be done in this version of the account or future versions of the account. The account will only include base data files for the two databases.

If a U2U presenter or other Rocket U2 individual wants to show an example for an add-on, then they will need to document what needs to be done to enable the XDEMO account for their example. This limitation is in place because it is not possible to create one account for all scenarios. Also, various incarnations of the same base account for the various add-ons will be not available. A common example of this is if it is SB+/SBXA enabled by default and is copied to another system, you will get open file errors from any of the Eclipse tools like BDT.

In the future, tech notes or webinars may be available that explain how to adapt the base XDEMO accounts for the various U2 products (SBXA, U2 Data Vu, WebDE, etc.).

Unix/Linux Support

The XDEMO is built on Windows. These are the steps needed to transfer XDEMO to Unix/Linux:

1. Transfer the account to the unix/linux system and convert the file formats.
 - a. On UniVerse, transfer the account with uvbackup/uvrestore or run fnuxi command on the files in the account.
 - b. On UniData, run '\$UDTBIN/convcode .' and '\$UDTBIN/convdta -r .'.
2. Once logged into the account, run 'RECATALOG.XDEMO'. This will fix the catalog entries in the VOC files.
3. Before you can use the BUILD.XDEMO.DATAS & BUILD.XDEMO.DICTS programs you must add the UniVerse bin or UniData bin path to your library path. These programs use the XML functions and will abort with an error. See U2 Technote 1177867 (Use Search Options of 'Exact Phrase').

The syntax for the library environment variable (U2BIN = UniVerse/UniData bin):

AIX

LIBPATH=\$LIBPATH:\$U2BIN;export LIBPATH

HP

SHLIB_PATH=\$SHLIB_PATH:\$U2BIN;export SHLIB_PATH

SOLARIS

LD_LIBRARY_PATH=\$LD_LIBRARY_PATH:\$U2BIN;export LD_LIBRARY_PATH

LINUX

LD_LIBRARY_PATH=\$LD_LIBRARY_PATH:\$U2BIN;export LD_LIBRARY_PATH

Known Issues

- The GET_ITEMS_OUT item in the MEMBERS dictionary will always return 0 in this version. This is due to all items that were rented were also returned. This will be fixed in a future version of XDEMO.
- On UniData, when you run BUILD.XDEMO.DATAS, if you try to export the PLOCATION, WORLD_MAP or STATES_MAPS files, the UniData shell will crash with a 'No More Entries in MI Table' or 'No More Entries in CI Table'. This is the reason why these three files are not allowed in the '-I ALL' or '-E ALL' option. This issue will be looked at after the release of the XDEMO v2.00 version.

Additional Notes

- The programs in the U2BP/U2BP.O files are cataloged using the 'DIRECT' option on UniData and 'LOCAL' on UniVerse.
- The export/importing uses temporary work files, either called BUILD.XDEMO.DATAS.WORK or BUILD.XDEMO.DICTS.WORK to move data between U2 files and xml files. If the expected result doesn't occur (i.e. no records in dictionary files) then the appropriate work file could not be deleted or created for some reason. This usually was due to a part of the file being in use at the time of the execution. To workaround, log out of the account and back then re-run which ever process you used.
- The PRODUCTS file structure may change in future release of the account as the source for this info will change.
- SQ type dictionary items are only available in the UniData version; these records are not included with the UniVerse version.

Patchlist for previous XDEMO versions

Changes in 2.00 - June 2011

- Several files included in the PIZZA flavor of the original non-versioned XDEMO account have been added to this version of the XDEMO account. These files were used by U2 Data Vu and won't impact core features in UDT/UV. These new files include FUR_REV, PLOCATION, STATES_MAPS, WORLD_MAP and ZIPCODES.
- The XDEMO account is now initialized by default. The initialization routines in v1.02 are no longer included. This was done for two reasons: 1) This readme was not read by users, so they didn't know they needed to initialize the account first and 2) The xml input file grew to be large than the whole account with the new files added. If you need to restore the core xdemo files back, extract the files from the zip files and overlay them. This feature may be back in future versions, if the need arises and if a better storage method is found.
- In MEMBERS file, the IMAGE_ID field now includes data. No actual jpeg files are included.
- The core files others than TRANSACTION.ACCUM have been modified to be more SQL compliant. This includes changing file names (RENTAL.DETAILS and PRODUCT.REVIEW) and field names from including a period to an underscore. Periods in file/fieldnames is not allowed in SQL.
- In UniVerse, LONGNAMES is turned on for the account and STACKWRITE is disabled.
- In UniData only, CONVERT.SQL has been executed on the new files added at this release only. These files again are FUR_REV, PLOCATION, STATES_MAPS, WORLD_MAP and ZIPCODES. The other base files have not had CONVERT.SQL ran on them. Refer to the section 'CONVERT.SQL in the UniData version of XDEMO' for more details.
- In UniData, the ED record in the VOC file has been replaced to call AE instead. This is due to ED calling the database editor in UniVerse. To use the original ED command, run OS.ED.

Changes in 1.02 – U2U 2010

- UV Account checks for RELLEVEL differently. If the account fails to initialize with a message that you are not running 10.1.15 or higher, run UPDATE.ACCOUNT manually, then type 'LOGIN' to reinitialize the account.
- UniData Schema files are not deleted any longer
- At end of INITIALIZE.XDEMO on UniData, updvoc is ran for UDT 7.1.20 and higher, or updatevoc for older releases.
- PRODUCT.REVIEW's @ record was changed to not include FULL.NAME.
- PRODUCTS file now has an IMAGE_ID field, position 28, with some records containing data.

Changes in 1.00 & 1.01 - U2U 2009

- Data has been cleaned up in all core files. See the 'Core File Details' section for more details.
- Data cleanup included removing any gaps in data fields (i.e. data fields at position 17 then 52).
- Any IBM references have been rebranded to Rocket Software including fictional email addresses.
- All dictionary fields have been converted to uppercase format.
- The XDEMO account now includes an initialization routine, see 'XDEMO Initialization Routine' section. This allows the base directory to be small and will build the necessary files when you login the first time to the account. A flag is set so that the next time you login, the same routine won't run again.
- Data/Dictionary files are created from XML files using DBTOXML/XMLTODB functionality. This will also allow users to export data/dictionary information and send it to support if needed when testing an issue. See the section 'Data & Dictionary Exporting and Importing'.
- A record called XDEMO.VERSION has been included to tell you what version the account is set to. At this release it will report 1.00. It reads it from a file in the account called 'xdemo.version'.
- Data files have been sized properly
- All add-on components for the account have been removed (SB, WDE, BDT, etc.)
- The MEMBERS file contains no real information. All information was created randomly for that file.
- The PRODUCTS file now includes a synopsis for all records.

Contact Info

The XDEMO account is maintained by the U2 Support group. If you have any questions/issues with the account please contact Brian Kupzyk, Senior Technical Support Engineer (bkupzyk@rs.com).