

Using fixtool to repair UniVerse dynamic file header corruption may result in data loss at 10.3.0

When using fixtool with the '-fix' option at UniVerse 10.3.0 to repair corruption related to incorrect information being present in the header of the dynamic file, the repair process may cause a significant number of records in the OVER.30 portion of the file to be lost.

At UniVerse release 10.3.0, a change was made to resolve an issue of the fixtool utility abnormally terminating when attempting to fix a certain type of dynamic file corruption.

One example of this type of corruption is when the current modulo number is incorrect based on the size of the file. Other examples are an incorrect base modulus number or an incorrect next split pointer. Sometimes these errors are due to moving the file at the operating system level while the file is open in UniVerse and loaded in the T30FILE shared memory structure.

The original fix resolves the issue of fixtool abnormally terminating but the subsequent attempt to correct the dynamic file header inconsistencies could result in pointers to the OVER.30 file being updated incorrectly. The incorrect updates to these pointers could result in data loss in the OVER.30 portion of the file.

If you do attempt to use the original 10.3.0 fixtool on a corrupted dynamic file, please make sure you have a backup of the dynamic file before proceeding.

The fixtool utility has been **updated** to remove the change originally applied at 10.3.0 that could have resulted in data loss when attempting to fix such a dynamic file. The issue at 10.3.0 affected the AIX, Solaris, and Windows versions of UniVerse.

As of **03/04/09**, archive files containing updated fixtool and uvfilefix_server executables for the relevant platforms have been attached to this document. The **Fixtool README.txt** file contains information on downloading and installing the updated executables on your 10.3.0 UniVerse system.

It is highly **recommended** that if you obtained a copy of UniVerse 10.3.0 prior to **03/04/09** that you download and install the appropriate executables attached to this document. Alternatively, you can download a copy of UniVerse 10.3.0 from the U2BC site which now contains the updated executables. If you are running 10.3.0 and unsure if you have correct executables, check the modification date stamp on the executables. For AIX and Solaris, the updated executables have a date of March 03, 2009. The Windows executables have a date of February 27, 2009. Alternatively, you can download the executables attached to this document to ensure you have the correct versions.