

## ADAMAGIC V412e - Release Notes

Revision date: 1<sup>st</sup> December 2008

### Introduction

ADAMAGIC V412e contains fixes for problems with empty field processing, FDT processing when handling Little endian data, superdescriptor processing when dealing with Little endian input data, and empty &/or “lost” files when reading from backup. It also suppresses the hyperexit flag if this is present in MVS input data.

This version of Adamagic will also accept an “any endian” database as input, irrespective of the machine it is running on. While running on e.g. a Little endian machine, it will read a Big endian database if this is e.g. mounted across a network, thus allowing “mix and match” between different architectures for databases as well as backup files. Previously this was only possible with backup files.

ADAMAGIC will accept ADASAV backups from mainframes either MSP/EX, OS390, z/OS or VSE ADABAS V6.1, V6.2, V7.x (V402e), V8.1x (V412e) databases. It will also accept ADABCK backups from SOLARIS (both native Sun and Intel), LINUX, HP/UX (both PA-RISC and Itanium), IBM’s AIX and the various WINDOWS flavours, and now also direct input from any Unix/Linux Adabas database.

**ADAMAGIC is also CCA’s UNIX/Windows version of well known mainframe ADASTRIP data extraction product. ADAMAGIC can be used to extract data in a way similar to ADASTRIP with the ability to read ADABCK and ADASAV backups and the database container files on the server platform to extract data to various extract formats.**

Processing of the (mainframe) database ADASAV (RECFM=VB) files may be necessary prior to using FTP to move them to the UNIX environment, see example JCL supplied as an attachment in the release library \$JCLGENER – see **Chapter 7** in the Users Guide on other methods of file transfer. This is necessary to maintain the internal block/record integrity of the ADASAV file. ADAMAGIC needs this information to enable it to interpret the mainframe structures. Alternatively, if the ADASAV tapes or carts can be read directly on the UNIX system no pre-processing is necessary.

### Additional changes/comments pertinent to this release:

- Provision of User Exit 5 with example code to process binary encoded Alpha fields;
- Correction of an occasional core dump in some special circumstances when creating ADABAS v5.x & 6.1x files;
- Large file support missing in the Linux version of V401b is included;
- When sub/superdescriptors were present, the lengths thereof were incorrect in V401. This has been corrected in this version;
- The NEWFILE parameter may now also be specified for extracts. This will show up in the “.inparm” file, further facilitating the use of SAG utilities;

- The format of the message which is output when a non-existent file is selected, has been changed to stand out more, and a warning is also printed on STDERR;
- The “.inparm” file is now also produced for flat extract files (in case these are to be compressed and loaded into the database);
- The DBID parameter can now also be used when creating flat extract files, in which case it changes the DBID generated in the “.inparm” file. If no DBID parameter card is specified, then the DBID from the model file is used. The latter implies that by using a model file based upon the database for which one is creating files, the DBID will automatically be correct. Note that this was previously taken from the input file, which was essentially useless when the input came from MVS;
- Type conversion of LA fields is only supported through an S type exit (which would need to be programmed);
- This version of ADAMAGIC does **not** support Adabas V3xx;
- Collation descriptors are not supported;
- PE/MU occurrences > 191 are not yet supported. This will follow in a later release;
- L4/LB fields are not yet supported;
- This release has not been tested against an NT Adabas database directly, so may well fail if that is attempted. However it does work when run against an Windows ADABCK.

## Installation Notes for E-MAIL (and PC File) Supplied Software

The PC-diskette or email contains a compressed folder with a number of sub-folders:

:

### **AM412e-release-xxx.zip**

#### **Documentation**

PDF format documentation, release notes, Users Guide and a Readme.txt file;

#### **Install**

Install Library Members, and other optional text/binary files (e.g. JCL for mainframe ADASAV pre-processing, UNIX scripts, example data [DTA's, backups] etc)

#### **Executables**

adamagic-V412e-xxx-yyy.ttbit

where 'xxx' refers to the operating system, eg AIX

'yyy' refers to the OS version [if supplied, eg 5.2

'tt' refers to addressing format that the binary was built for either 32 bit or 64 bit.

Most systems are 64 bit these days.

Some examples are:

adamagic-V412e-AIX-5.3.64bit - ADAMAGIC V412e built under AIX v5.3 64 bit

adamagic-V412e-SunOS-sparcv9.64bit - ADAMAGIC V412e built under Solaris [Risc] 64 bit

adamagic-V412e-HPSunOS-i386.32dit - ADAMAGIC V412e built under Solaris [Intel] 32 bit

## 1. Install the Documentation Source Library

Decompress the folder into its constituent parts, we use WINDOWS compressed folder option to create the release file. Any unzip program should be able to decompress the folder into its components. Once done this will give the above structure to work with and enable the installer to undertake further installation of ADAMAGIC.

## 2. Install the Binary Executable & Example scripts

- 2.1 Upload the files via a binary FTP to a new directory on your Unix/Windows machine, called ADAMAGIC for example.
- 2.2 Change permissions etc to make the scripts and the ADAMAGIC binary file executable.
- 2.3 Prior to running the test scripts a codeword must be acquired and used in the ADAMAGIC parameter file, if not ADAMAGIC will not run.
- 2.4 ADAMAGIC requires the standard libgcc shared libraries under Solaris and Linux, these are readily available from the vendors websites for free download.

The next step is to run some test extracts using the example scripts and either the sample ADASAV backup provided or against a local ADABCK to prove the install has been successful. The scripts run the appropriate ADABAS utilities to load the test files to a test database to confirm the data can be successfully loaded. Run an ADAREP to display the file(s).

## 3. Windows XP/Vista/2000/2003 Special Instructions

ADAMAGIC is a command line utility, so it must be run from a batch window under the Windows environment with the predefined parameter file as input, see the manual for details. Example parameter files are provided for various situations in the install folder of the release.

ADAMAGIC may issue a warning message of the form:

**Error missing "libadamagic\_exits.dll"**

**This can be safely ignored**, it is suppressed on most other Unix platforms and simply means that the User exits executable DLL hasn't been found. A dummy exit source can be compiled to create the DLL and included in the path to suppress this message. Note that the exit source included is NOT a dummy.

The install zip file contains all necessary programs files dll's etc to run ADAMAGIC. We have provided an example model DTA to help get the user started.

***It is strongly recommended that the user read the documentation prior to running ADAMAGIC.***

## 4. Other Notes

This release is distributed as an expired trial; a licence code is required from CCA to use the product. Licensed customers should contact your local affiliate for a fully licensed version of the product. Please refer to the manual for further information, supplied with this release.