

## ADASTRIP V5.06r Release Notes

Revised: 26<sup>th</sup> August 2011

### 1. New Features and Fixes

Added FIELDTAB parameter to allow specification of Field type size in MB with a message stating the % of memory actually used.

Changes to the I/O areas of the code to speed up the process for very big extracts.

Increased space for internal FDT tables.

Return memory usage for files that do not use MUPEX back to normal, and utilisation of INDEX and sub-parameters to contain memory usage when MUPEX is used.

Correction to record rejection processing when using eSTRIP.

This and future versions now use 64 bit instructions so will not run on 31 bit machines.

Corrections to parameter file processing to make it more robust and prevent occasional S013abend. The LRECL of the parameter file is restricted to 80 bytes.

The record limit can be specified as 10 9's in the parms, but anything over 4,294,967,294 will be converted to 4,294,967,294, which is one less than the absolute maximum number of Adabas records.

Fix packed TESTs + length display of ## when FORMAT COBOL is true with NORMALISE.

Reinstate old style processing in STRI81A by zap to allow truncated records in FB format extract files. Use at own risk!

Fix TEST for LA fields.

Correction to ## field when normalising (ADABAS 8 and up only).

Fix to enable correct functioning of concatenated parameter files with different block sizes.

Fix for length of packed sub fields on TEST command (ADABAS 8 and up only).

#### **Fix for LET command (ADABAS 8 and up only):**

This now works with eSTRIP correctly for FB files.

#### **Fix for NC Fields as follows (ADABAS 8 and up only):**

The start and end bytes in a TEST command need to be 2 greater than for sub-field selection. E.g. if the field AB is defined as:-

```
01, AB, 10, A, NC
```

then selecting the last two bytes would be:-

```
<DDNAME> FIELD AB(9-10)
```

whereas testing the last two bytes would be:-

```
<DDNAME> TEST A AB(11-12).EQ.C'FZ'
```

This is to make it possible to TEST the significance indicator (which precedes the actual field content) e.g.

```
<DDNAME> TEST A AB(1-2).EQ.X'0000'
```

which is either X'0000' for a valid field or X'FFFF' for an invalid (i.e. not filled in / "Not Counted") field.

#### Enhancements to LET= processing as follows:

```
LET ZZ=AA(1-4),AB(6-9),P1,.....
```

- Up to 20 parent fields may be specified for any given LET statement.
- Parent fields may be specified in any order.
- Commas **must** be used as parent field separators.
- If **all** parent fields are alphanumeric, then the LET field will be too, otherwise it will be binary.
- Up to 3 LET cards may be specified for any given extract file.
- ESTRIP V286 is required if using ADABAS V8 and eSTRIP V286v7 for ADABAS V7.

This version of ADASTRIP provides support for most new features in ADABAS 8.1x including spanned records and expanded MU's and PE's [MUPEX]. When an field in the FDT is defined with the MUPEX flag we produce a message in the log informing the user as such:

```
SELECTED FILE 000NN IS KNOWN AS MUPEX FILE THIS FILE IS MUPEX AND WILL USE 2 BYTE INDEXES
```

ADASTRIP also first searches for an ADABAS version in the new form, and only when that fails does it try the old form, automatically supporting V8.1x, V8.22.

**IMPORTANT NOTE:-** When processing spanned records from an **ADASAV**, an additional output file is mandatory (this file is not necessary when accessing the database directly).

This file has **DDNAME STSTEMP**, and should have RECFM=VB. The block size should be chosen large enough to accommodate an ADASAV block (though large blocks for this file are not yet supported – the SORT utility will not handle large blocks). The space allocation should be large enough to accommodate all spanned records on the ADASAV for all files at once that you wish to extract. Extraction of **spanned** files doesn't start until **all spanned** files have been copied into STSTEMP, however extraction of ordinary files proceeds while spanned files are being copied into STSTEMP. This has a net effect of processing all ordinary files first then all spanned files.

A new parameter has been added to tell ADASTRIP to output SEGMENTed output when extracting data from a file containing spanned records. This parameter is defined in the Users Guide.

**Please note the term SPANNED is used when discussing compressed data, while the term SEGMENTED is used when describing flat(decompressed) data. Since ADASTRIP input is compressed, and it's output is flat, it eats SPANNED records, and spits out SEGMENTED records (if you tell it to).**

## 2. Support

This release of ADASTRIP supports spanned records, and also segmented output. It also includes support for all versions of ADABAS from V6 up to and including V82x, with basic support for ADABAS 8.22 without any of the new features. It determines automatically which it is dealing with. There is no support for the other special features of ADABAS 8, such as LOB or Delta Save input. Additional releases of ADASTRIP will introduce support for these various functions, at a later date. The support provided includes:

- Pointer to start of ## field added when normalizing.
- Fix for concatenated PARMFILES with different block sizes.
- Fix for testing packed sub-fields.
- Fix for FB files when using LET
- Fix for NC Fields
- Correction to a serious problem when extracting data from ADASAV backups
- Corrections to LRECL checking
- Enhancements to LET parameter processing to allow up to 20 fields/sub-fields to be selected as input to the virtual field.
- Fix packed constant length checking.
- Corrections to CPUID processing and allow multiple product keys in the product zap
- Correct SOC4 when TESTING fields that are not selected later for extraction.
- Fixed NORMALISE NTEST Field reordering
- Fixed extent processing for ADASAVs
- Corrections to various issues with field lengths associated with spanned records and NTEST processing
- Corrects an error at runtime when accessing ADABAS 8.22 databases either directly or an ADASAV
- Provides automatic detection of MUXE ie expanded MU and PE occurrences
- Correct problems processing packed fields, and resolve an associated SOC7
- Implements support for spanned records (input) and output segmented records
- Field error reporting made sensitive to ISN size (3 or 4 byte)
- The default record LIMIT is now 999,999,999

**ADAMAGIC provides ADASTRIP like facilities under, SOLARIS 7, 8 & 9, HP/UX 10, 11i, Redhat Linux 9.0+, IBM's AIX 5.1, 5.2, 5.3 and the Windows platforms XP/Vista/Win7, 2003 and 2008 Server.**

All ADASTRIP Software from CCA Software Pty Ltd is now supplied as an e-mail attachment, bundled in a compressed zip file

The use of E-MAIL is the preferred method of distribution as it facilitates fast transmission of new releases/upgrades/zaps. All fixes/zaps are provided as upgraded binary modules in this format.

 **Please Note this release:**

- The **LRECL MUST** be supplied on all output extract files. This enables ADASTRIP to correctly allocate buffers and blksize in certain circumstances. However for VB files it will be changed by Adastrip such that it is equal to BLKSIZE – 4, thus correctly representing the largest possible variable record length for that block size. Since ADASTRIP is going to change it anyway, any value less than or equal to BLKSIZE - 4 may be specified. When BLKSIZE=0 is specified, the actual block size will be fairly large, so a reasonable value for LRECL would be e.g. 1000, which ADASTRIP will change appropriately.
- Some functions will only work with a specific version of ADABAS, these are noted either in the release notes or the manual.
- See note below on changed JCL requirements for spanned records.

A short table of changes (fixes) and associated problem numbers can be found in release.txt file included in the release files. The most important of these are detailed in this document.

## Special notes for installers

- 1) DFSMS/MVS 1.5 or earlier doesn't support LBI.
- 3) Preliminary evidence suggests a wall clock time saving of about 20% when using 64000 byte blocks.
- 4) It should use whatever blocksize is on the tape, there is no need to supply blksize parm in JCL.
- 5) There may also be no need to supply a bufno parm in JCL, but clients can try this themselves.
- 6) The i/o buffers will be below the line, as we have as yet taken no special measures to ensure that they are above the line. Hence with larger block sizes, region shortages may become apparent if bufno is set too large.

Additional example user exits are available; these allow such functions as translation to ASCII, output to CSV format, an exit suitable for translation to Oracle etc. These are provided as examples only, there is no support. Emails with queries (on these exits) may be answered depending upon support priorities at the time.

**CCA has a number of commercial grade ADASTRIP exits with full support; these are available directly from CCA. For further information please contact [info@ccasoftware.com.au](mailto:info@ccasoftware.com.au).**

## 3. E-mail Installation Instructions

The release consists of one compressed zip file:

➤ **ASvxxxxy-release.zip**

**Where: AS – internal code for ADASTRIP, xxx=506 is the version and y=' ' blank or no fix level yet, so ASv506 is V506 with no fix level and ASv506b is V505 with fix level b.**

Please refer to the Users Guide for details of the **Installation Procedure**.

## 4. Apply Product Protection Code

ADASTRIP will require a Product Protection Code, this is a codeword of at least 22-bytes long it will need to be supplied so that ADASTRIP will run on your system. The following code will is an example

only and is expired. When installing this new releases of CCA's ADASTRIP software you are required to obtain a new codeword. The existing old product code words will not work with V505 and above.

The code is supplied to ADASTRIP as PART of the ADASTRIP EXEC card as follows:

```
//STRIP61 EXEC PGM=STRIP, PARM='BICHINPJHJJNJHMKIHKH',
```

**OR:** The code may be permanently zapped into the ADASTRIP object, this zap must be created by CCA and takes the place of the CODE parameter. An example only, of this zap is supplied in the install dataset. In order to run ADASTRIP, you will need either a codeword or zap supplied by CCA.

Previously zapped load modules (with a codeword) will prevent a new zap from being applied, it is recommended that the zap only be applied to a fresh copy of the load library, however it is possible to comment out the VERs to force the zap to apply.

## 5. Additional Support

Should you require further information or support please contact your local affiliate.