Software AG ETS Product Support for Extended Address Volumes (EAV)

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Background

This documents what the Software AG product requirements are for support of different data set organizations in cylinder-managed space on EAV volumes under z/OS.

With the release of IBM z/OS 10, IBM provided support for VSAM clusters or data sets to be in cylinder-managed space as opposed to track-managed space.

With the release of IBM z/OS 12, IBM provided support for data set organizations other than VSAM to be allocated in *cylinder-managed space* on the volume. The space above 64K cylinders is what is referred to as *cylinder-managed space* and the space below 64K cylinders is referred to as *track-managed space*.

Requirements

IBM Requirements for EAV Support

You must be at IBM z/OS level 12 (for non VSAM data sets) and at IBM z/OS level 10 (for VSAM clusters) with all required maintenance applied to IBM DFP and DFSMS components. You must also have an IBM DS8000 that has the necessary microcode/firmware in support of EAV volumes.

Note: For the record, we have done all of our EAV testing under IBM z/OS 12. No testing has been done under z/OS 10 and there is no intention to do any testing under z/OS 10 at this time.

EMC Storage Subsystem Requirements for EAV Support

EAV is supported by EMC's Symmetrix VMAX and by Enginuity 5874 and higher.

Software AG Product Support

The following table describes EAV support requirements for Software AG products:

Product	Required Level	Access/Functionality	Additional Fixes	Comment
Adabas	8.2.2	Direct access	AO822017	1
		Sequential data sets	---	2
Adabas Review	4.5.1	Sequential log files	---	3
Com-plete	6.6.1	List VTOC (LV)-UDS List SPACE (LS)-UDS List DATASET(LD)-UDS List Library –UPDS L	Fix pack #6 for COM661	4
		VSAM system files	---	5
Entire Net-Work	6.2.1	Sequential log files	---	6
Entire System Server	3.4.2	Modified View processors FILE-ATTRIBUTES, LIB-DIRECTORY, READ-FILE and WRITE-FILE **Note:** VTOC and UNITATTRIBUTES support EAV volumes	XC72052	7
EntireX	8.1.1	Sequential log files	Hot Fix 15	8
Natural	4.2.6	Sequential files	---	9
Natural Roll Server	4.2.6	Natural Roll Server file	---	10
Natural VSAM	4.2.6	VSAM user clusters	---	11

Comments

1. These are the direct access data sets that Adabas issues EXCP or EXCPVR against, such as ASSO, DATA, WORK, CLOG, and PLOG data sets. With Adabas 8.2.2 and EAV volumes these data sets can be allocated in cylinder-managed space under IBM z/OS 12.
2. With IBM z/OS 12 and above, sequential data sets that can be written or read by Adabas 8.2.2 can be allocated in cylinder-managed space on the volume.
3. With IBM z/OS 12 and above, sequential log data sets that can be written or read by Adabas Review 4.5.1 can be allocated in cylinder-managed space on the volume.
4. Com-plete 6.6.1 and its UDS and UPDS utilities can support EAV changes in the VTOC with Format 8 and Format 9 DSCB.

5. IBM z/OS allows you to allocate VSAM clusters in cylinder-managed space. This includes Com-plete system files.
6. With IBM z/OS 12 and above, sequential data sets written or read by Entire Net-Work 6.2.1 can be allocated in cylinder-managed space on the volume.
7. Entire System Server V3.4.2 supports the changes in the VTOC on EAV volumes for its view processor based on Format 8 and Format 9 DSCB entries in the VTOC. With NPR342 and XC72052, attributes for EAVs and for data sets on EAVs are returned properly. Non-VSAM data sets in the cylinder-managed space can be accessed properly.
8. With IBM z/OS 12 and above, sequential data sets written or read by EntireX can be allocated in cylinder-managed space on the volume.
9. With IBM z/OS 12 and above, sequential data sets written or read by Natural V4.2.6 which include Natural Workfiles and Natural Printer files can be allocated in cylinder-managed space on the volume.
10. With IBM z/OS 12 and above, the Natural Roll Server data set can be allocated in cylinder-managed space on the volume. (NATRSRFI).
11. These are Natural VSAM user clusters that can be allocated in cylinder-managed space and written and read by Natural.