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## SNA•ps Access/3270 1.1.1 Release Notes (6/96)

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TOPIC -----

This article describes the release notes of SNA•ps Access/3270 1.1.1.

DISCUSSION -----

Notes

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This is a bug fix release of only SNA•ps Access/3270. These files must be placed in the System Folder for System 6.x, or in the Extensions Folder for System 7.x, and the Macintosh must be restarted.

SNA•ps Access/3270 Bugs Fixed Since 1.1

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- A new SNA•ps Access/3270 specific error code has been added and may be returned by OpenHostConns: kCapyTooManyUsers (-8527) which indicates that the maximum number of gateway clients has been exceeded.
  - Double-byte support for LU1 and LU3 printers has been added, but is not fully tested.
  - QR DDM: SNA•ps Access 3270 uses 0x2000 as the value for MAX DDM In and MAX DDM Out. This is a resource item and may be changed in SNA•ps Access/3270. It has currently been reduced to 0x07D0 in the shipped version as a customer has reported problems with host applications at the higher value.
  - The default language is now used in OpenSession when EITHER a nil hostLangDef pointer was passed OR when a count of zero languages was passed. In the 1.1 version the default language was used only when a count of zero languages was passed. Starting with 1.1.1B1, the default language was used only when a nil hostLangDef pointer was passed.
  - The cursor width returned in GetUpdate, GetCursorPos, and SetCursorPos is now

returned as kDoubleWidth when the cursor is positioned under an SI character, even though the width reported in the DAB for the SI is single width (Elex feature).

- When writing a character on SO/SI or SI/SO pairs (two bugs fixed):
  - 1) SO Ca/Cb Cc/Cd SI SO Ce/Cf Cg/Ch SI: When you position the cursor under SI, select the double byte character set, and enter a DOUBLE BYTE CHARACTER, Ci/Cj, then the buffer now becomes 'SO Ca/Cb Cc/Cd Ci/Cj Ce/Cf Cg/Ch SI', the cursor goes under Ce/Cf, and SI is be deleted.
  - 2) SO Ca/Cb Cc/Cd SI SO Ce/Cf Cg/Ch SI: When you position the cursor under SI, select the single byte character set, and enter a SINGLE BYTE CHARACTER, Cl, then the buffer now becomes 'SO Ca/Cb Cc/Cd SI Cl sp SO Cg/Ch SI' and the cursor goes under the space with single width.
- The sysz resource in SNA•ps Access/3270 has been increased by 15K to make loading at boot time more reliable.
- SNA•ps Access/3270 no longer crashes when loading at boot time on a Mac Plus. This was caused by indirectly calling the \_HWPriv trap which is not implemented on a Mac Plus.
- DBCS: Double byte characters are now allowed in a numeric field.
- DBCS: If you overwrite an SO while inserting a DB, it now may do an automatic delete.
- DBCS: If on an attribute, then it can't be 1st or second-byte of DBCS.
- DBCS: Several other changes for DBCS handling.
- We now reset the reply mode to Field Reply Mode when the WCC has the WCCRESET bit if the write command is an Erase/Write or an Erase/Write Alternate. If the write command is "Write" the reply mode remains unchanged.
- Opening a "kept" session no longer crashes sometimes.
- File Transfer: when file transfer was initiated with the CRLF set to true, then when a CRLF pair is found, we no longer add another LF.
- Field outlining will now only report the outlining for the current character, not the entire field. Previously, the outlining for the entire field was reported for each character. If the outlining was left, right, over, and under, then the application would have to determine the start and end of the field in order to avoid drawing a box around each character. Now, for middle characters in a field, the left and right sides for outlining are not reported. For the first character of a field, the right side is not reported on. For the last character of a field, the left side is not reported on.
- DBCS: If the operator attempted to enter a single byte at the end of a DBCS

subfield which was also at the end of the current field, an error was reported. SNA•ps Access/3270 thought it needed 4 characters, but in this case, it only needs 3 character positions in order to enter the single byte.

- DBCS: If the operator tries to extend an existing DBCS subfield in a field that has SO/SI creation disabled, SNA•ps Access/3270 was reporting an error. The operator may now extend a subfield created by the host application.

- Numeric Lock: The comma is now an allowed character in a numeric field, when numeric lock is enabled.

- Query Reply Summary: SNA•ps Access/3270 was incorrectly calculating the length of the QR Summary. It now no longer sends one extra byte with the value 0.

- QR DDM: SNA•ps Access 3270 uses 0x3000 as the value for MAX DDM In and MAX DDM Out. These values were gotten from an OS/2 machine. It speeds up file transfer to use this larger block size. This is a resource item and may be changed in SNA•ps Access/3270. It has currently been reduced to 0x2000 in the shipped version as a customer has reported problems with back-level host applications at the higher value.

- When specifying a default background color of zero in OpenSession or SetSessionParams, the Background Color self defining parameter is no longer sent in addition to the main part of the Color Query Reply. In the past, a zero value was taken to be the default and the background color was changed to 0xF0 and the self defining parameter was always sent. Now, the self defining parameter is sent only if the background color passed in OpenSession or SetSessionParams is non-zero.

- When DBCS is active, if a field attribute specifies DBCS, but the previous character was not a double-byte character, then the DBCS field is now correctly reported as being single-byte.

- INSERT now leaves the cursor under the SPACE, if a single byte character is inserted into a DBCS field. It previously left it under the SO.

- The error kAPIKeyCodeErr was incorrectly returned when copying nulls to the presentation space. The CopyToPS, CopyToField, and TranslateNative requests have been modified so that if a null byte is passed by the application, and it is translated into a null, then an error is no longer returned. If any character other than a null byte is translated into a null, then the request still returns kAPIKeyCodeErr.

- If more than one language was specified in OpenSession or SetSessionParams, then when those language tables were freed, the Macintosh would crash. The code was modified so that more than one table can safely be specified in these requests.

- The SA order no longer occasionally sends invalid values inbound.

- When performing CUT mode file transfer (through the PS) with a binary file, the correct translation table is now used.

- The StartSend and StartReceive requests no longer ignore the CRLF parameter with binary files.
- The StartSend request no longer sets the RECFM parameter when the recordType is kUndefined and the hostEnviron is kVMHost.
- Show3270API now allows repeated output of the list of host languages without quitting and restarting program.

#### 3270 Prep Bugs Fixed Since 2.0

- '3270 Prep' now also allows searches files of type APPL for access methods (in the Control Panels, Extensions, and System Folder folders as before).
- The '3270 Prep' function which loads and frees translation tables now accepts a keyboard ID of zero. In this case, only the language ID is used to select the appropriate table. If more than one keyboard ID is used for a given language ID, the first table in the list is returned (or freed). It is assumed that all tables with the same keyboard ID are equal. This is the case for non CUT implementations.
- 3270 Prep no longer crashes when loading at boot time on a Mac Plus. This was caused by indirectly calling the \_HWPriv trap which is not implemented on a Mac Plus.

#### Article Change History:

28 Jun 1996 - Corrected wording in article.

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