

Base Language - Bug #6623

validate the memptr bytes in "copy-lob from memptr to clob/longchar" statement

07/21/2022 03:03 AM - Constantin Asofiei

Status: New	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
billable: No	case_num:
vendor_id: GCD	version:
Description	
Related issues:	
Related to Database - Feature #6457: finish COPY-LOB support	WIP
Related to Base Language - Feature #4768: finish copy-lob support	Closed

History

#2 - 07/21/2022 03:08 AM - Constantin Asofiei

According to <https://knowledgebase.progress.com/articles/Article/P110518>, COPY-LOB will try to translate the memptr bytes to the target's codepage. If bytes can't be translated to the target codepage char, then invalid character code found in data for codepage %1 (12008) ERROR is raised. A sample is this, where '\0' null char shows this problem:

```
def temp-table tt1 no-undo field f1 as clob.  
def var m as memptr.  
def var i as int.  
  
create tt1.  
set-size(m) = 10.  
do i = 1 to 9:  
    put-byte(m, i) = i.  
end.  
  
copy-lob from m to tt1.f1.
```

Currently, I18nOps.prevalidateData checks for null chars only for ISO-88591 codepage, but this seems to apply for any codepage (including win1252). This needs a proper fix to pre-validate the entire bytes using the target codepage.

prowin -cpinternal 1252 can be used to run the test with 1252 or other codepages.

#3 - 07/21/2022 07:20 AM - Greg Shah

- Related to Feature #6457: finish COPY-LOB support added

#4 - 07/21/2022 07:22 AM - Greg Shah

- Related to Feature #4768: finish copy-lob support added