

create_rts fails with error message "ld: cannot find -lgcc"

- **Product:** Aleph
 - **Product Version:** 20, 21, 22, 23
 - **Relevant for Installation Type:** Dedicated-Direct, Direct, Local, Total Care
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Problem Symptoms:

(1)
When one enters the command "create_rts" as the UNIX user who owns the Ex Libris software (aleph or dtl or metalib) the following error message appears:

```
-----  
$ create_rts  
create_rts  
ld: cannot find -lgcc  
mv: cannot stat `/exlibris/metalib/m4_1/aleph/exe/rts32x': No such file or directory  
-----
```

(2)
The error messages above can also appear when one executes the compilation test script \$alephm_scratch/test_compile (Aleph, MetaLib) respectively \$dtlm_scratch/test_compile (DigiTool) because that script includes the command "create_rts".

Cause:

A. The file /exlibris/product/cobol5/etc/cobopt which belongs to the COBOL environment Micro Focus Server Express specifies an incorrect path to the libraries of the compiler gcc, e.g.:

```
set GCC_LIB=/usr/lib/gcc/x86_64-redhat-linux/4.1.1/32
```

The correct path is the following:

```
set GCC_LIB=/usr/lib/gcc/x86_64-redhat-linux/4.4.4/32
```

B. As was the case with the OpenSSL issue described in the article "[Security scan flags OpenSSL/0.9.8za as security risk](#)", this problem was due to the "Download 3rd party products update" not having been properly executed as part of a Service Pack application.

Resolution:

A.

(1) Edit the file /exlibris/product/cobol5/etc/cobopt and specify the correct path to the libraries of the compiler gcc:

```
set GCC_LIB=/usr/lib/gcc/x86_64-redhat-linux/4.4.4/32
```

(2) Enter the command "create_rts" and verify that it creates the run-time system of the COBOL environment correctly:

```
$ create_rts  
create_rts  
$ echo $?  
0
```

```
$ ls -l $aleph_exe/rts32
-rwxrwxr-x 1 metalib exlibris 2301400 Jul 4 02:26 /exlibris/metalib/m4_1/aleph/exe/rts32
```

B. Run util sp steps 6-10 -- and enter the create_rts command to verify that it now works correctly.

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- **Article last edited:** 28-Mar-2018