

Perl script oai-pmh.cgi cannot open shared object file libcIntsh.so.11.1

- **Product:** Voyager
- **Product Version:** 7

Problem Symptoms

The following error message appears in the apache log in /m1/shared/httpd/2.x.x/logs/nxxxxdb/error.log:

```
[debug] OAI-PMH: retrieve_records ListRecords (query:
verb=ListRecords&metadataPrefix=marc21)
[Fri Jun 27 10:04:07 2014] [error] [client xxx.xx.xx.xx] install_driver(Oracle) failed:
Can't load '/oracle/app/oracle/product/11.2.0.3/db_1/perl/lib/site_perl/5.10.0/
x86_64-linux-thread-multi/auto/DBD/Oracle/Oracle.so' for module DBD::Oracle:
libcIntsh.so.11.1: cannot open shared object file: No such file or directory at /oracle/
app/oracle/product/11.2.0.3/db_1/perl/lib/5.10.0/x86_64-linux-thread-multi/DynaLoader.pm
line 203.
[Fri Jun 27 10:04:07 2014] [error] [client xxx.xx.xx.xx] at (eval 13) line 3
[Fri Jun 27 10:04:07 2014] [error] [client xxx.xx.xx.xx] Compilation failed in require at
(eval 13) line 3.
[Fri Jun 27 10:04:07 2014] [error] [client xxx.xx.xx.xx ] Perhaps a required shared library
or dll isn't installed where expected
[Fri Jun 27 10:04:07 2014] [error] [client xxx.xx.xx.xx] at /m1/voyager/csudb/tomcat/vwebv/
context/vwebv/htdocs/cgi-bin/oai-pmh.cgi line 646
[Fri Jun 27 10:04:07 2014] [error] [client xxx.xx.xx.xx] Premature end of script headers:
oai-pmh.cgi
```

Cause

1. Unix libraries are not linked properly.
2. A different version of Perl is used by Voyager.

Resolution

1. Link all *.so* libs from /oracle/app/oracle/product/11.2.0.3/db_1/lib to /lib.

```
cd $ORACLE_HOME/lib
for f in `ls ./*.so*`; do
sudo ln -s $ORACLE_HOME/lib/$f /lib/$f
done
```

2. Run the following command to provide a soft link to resolve a missing DBD sub-directory in \$ORACLE_HOME/perl/lib/site_perl/5.10.0/x86_64-linux-thread-multi/auto:

```
ln -s $ORACLE_HOME/perl/lib/site_perl/5.10.0/x86_64-linux-thread-multi/auto/DBD DBD
```

3. In oai-pmh.cgi, replaced #!/usr/bin/perl with #!/m1/shared/bin/perl to pick up the correction version of Perl.

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