

marcli

A command line tool to parse (large) MARC files

Hector Correa
Princeton University Library
code{4}lib 2021


Bibliographic Record

<https://catalog.princeton.edu/catalog/2527861>

Coffee.

Author	Pan American Union [Browse]
Format	Book
Language	English
Edition	[Rev. ed]
Published/Created	Washington [1958]
Description	19 p. illus. 23 cm.

Copies in the Library

Location	Call Number	Status
ReCAP - HathiTrust Emergency Temporary Access ReCAP	F1408 .P363 v.12 Browse related items 	Online access

Details

Notes	No. 6 of a volume of pamphlets.
Other views	Staff view

MARC data

https://catalog.princeton.edu/catalog/2527861/staff_view

LEADER	00793cam a2200253 4500
001	2527861
005	20200817104959.0
008	851022s1958 dcua 000 0 eng d
035	a (OCoLC)ocm12706015
035	9 CLX2905TS
035	a 2527861
040	a KSW c KSW d PUL
110 2	a Pan American Union. 0 http://id.loc.gov/authorities/names/n79118117
245 1 0	a Coffee.
250	a [Rev. ed]
260	a Washington c [1958]
300	a 19 p. b illus. c 23 cm.
490 1	a Its Commodity series, v 633-E-5658
590	a No. 6 of a volume of pamphlets.
650 0	a Coffee z Latin America.
810 2	a Pan American Union. t Commodity series ; v 633-E-5658.
945	a F b 1 c 1300.694 v.12
911	a 19990912
852 0 0	0 2810635 b rcppa t 1 h F1408 i .P363 v.12 x tr fr f
959	a 2008-10-24 16:03:31 +0000

MARC data (binary)

\$ less marc_file.mrc

```
01805nam a2200385 i 45000010012000000050017000120060019000290070007000480080041000550400023000960420008001190430012001270740020001
3908600170015910000550017624502110023126000850044233600220052733700240054933800330057344000390060650000540064550400410069953801570
0740650002000897650002000917700002100937776020100958856006501159907003501224998004501259910001201304910002801316945007501344~ocm5
7175940~20041206161421.0~m d f ~cr cn~041206s1976 dcua sb f000 0 eng c~aGP0~cGP0~dMvI~dMvI~a
pcc~an-us~a0620-A (online)~0~aI 19.4/2:735~1~aSwanson, Vernon E.~q(Vernon Emmanuel),~d1922-1992.~10~aGuidel
ines for sample collecting and analytical methods used in the U.S. Geological Survey for determining chemical composition of coal
~h[electronic resource] /~cby Vernon E. Swanson and Claude Huffman, Jr.~a[Washington, D.C.] :~bU.S. Dept. of the Interior,
U.S. Geological Survey,~c1976.~atext~2rdacontent.~acomputer~2rdamedia.~aonline resource~2rdacarrier.~0~aGeo
logical Survey circular ;~v735.~aTitle from title screen (viewed on Dec. 06, 2004)~aIncludes bibliographical references
.~aMode of access: Internet from the USGS Web site. Address as of 12/06/04: http://pubs.usgs.gov/circ/c735/index.htm; current
access is available via PURL.~0~aCoal~xAnalysis.~0~aCoal~xSampling.~1~aHuffman, Claude.~1~aSwanson, Vernon Emanuel,
~d1922-~tGuidelines for sample collecting and analytical methods used in the U.S. Geological Survey for determining chemical com
position of coal~hiv, 11 p.~w(0CoLC)2331861.~40~uhttp://purl.access.gpo.gov/GPO/LPS56007~zView online version~a.b3799176
0~b04-08-17~c07-26-05~aes001~b07-26-05~cm~da~e~feng~gdcu~h0~i1~aMARCIVE~aHathi Trust report None~g0
~j0~lesb ~on~p$0.00~q~r~s~t255~u0~v0~w0~x0~y.i138993579~z07-26-05~]
```

~

MARC data (XML)

\$ less marc_file.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<collection xmlns="http://www.loc.gov/MARC21/slim" xmlns:marc="http://www.loc.gov/MARC21/slim">
  <record>
    <leader>01805nam a2200385 i 4500</leader>
    <controlfield tag="001">ocm57175940</controlfield>
    <controlfield tag="005">20041206161421.0</controlfield>
    <controlfield tag="006">m d f</controlfield>
    <controlfield tag="007">cr cn</controlfield>
    <controlfield tag="008">041206s1976 dcua sb f000 0 eng c</controlfield>
    <datafield tag="040" ind1=" " ind2=" ">
      <subfield code="a">GP0</subfield>
      <subfield code="c">GP0</subfield>
      <subfield code="d">MvI</subfield>
      <subfield code="d">MvI</subfield>
    </datafield>
    <datafield tag="042" ind1=" " ind2=" ">
      <subfield code="a">pcc</subfield>
    </datafield>
    <datafield tag="043" ind1=" " ind2=" ">
      <subfield code="a">n-us</subfield>
    </datafield>
    <datafield tag="074" ind1=" " ind2=" ">
      <subfield code="a">0620-A (online)</subfield>
    </datafield>
    <datafield tag="086" ind1="0" ind2=" ">
      <subfield code="a">I 19.4/2:735</subfield>
    </datafield>
    <datafield tag="100" ind1="1" ind2=" ">
      <subfield code="a">Swanson, Vernon E.</subfield>
      <subfield code="q">(Vernon Emmanuel),</subfield>
      <subfield code="d">1922-1992.</subfield>
    </datafield>
    <datafield tag="245" ind1="1" ind2="0">
      <subfield code="a">Guidelines for sample collecting and analytical methods used in the U.S. Geological Sur
hemical composition of coal</subfield>
      <subfield code="h">[electronic resource] /</subfield>
      <subfield code="c">by Vernon E. Swanson and Claude Huffman, Jr.</subfield>
    </datafield>
    <datafield tag="260" ind1=" " ind2=" ">
      <subfield code="a">[Washington, D.C.] :</subfield>
```

MARC for humans (mrk)

\$ marcli -file=marc_file.mrc

```
=LDR 01805nam a2200385 i 4500
=001 ocm57175940
=005 20041206161421.0
=006 m d f
=007 cr cn-
=008 041206s1976 dcua sb f000 0 eng c
=040 \\$aGPO$cGPO$dMvI$dMvI
=042 \\$apcc
=043 \\$an-us--
=074 \\$a0620-A (online)
=086 0\\$aI 19.4/2:735
=100 1\\$aSwanson, Vernon E.$q(Vernon Emmanuel),$d1922-1992.
=245 10$aGuidelines for sample collecting and analytical methods used in the U.S. Geological Survey for determining
=260 \\$a[Washington, D.C.] :$bU.S. Dept. of the Interior, U.S. Geological Survey,$c1976.
=336 \\$atext$2rdacontent.
=337 \\$acomputer$2rdamedia.
=338 \\$aonline resource$2rdacarrier.
=440 \\$aGeological Survey circular ;$v735.
=500 \\$aTitle from title screen (viewed on Dec. 06, 2004)
=504 \\$aIncludes bibliographical references.
=538 \\$aMode of access: Internet from the USGS Web site. Address as of 12/06/04: http://pubs.usgs.gov/circ/c735/i
=650 \\$aCoal$xAnalysis.
=650 \\$aCoal$xSampling.
=700 1\\$aHuffman, Claude.
=776 1\\$aSwanson, Vernon Emanuel,$d1922-$tGuidelines for sample collecting and analytical methods used in the U.S.
=856 40$uhttp://purl.access.gpo.gov/GPO/LPS56007$zView online version
=907 \\$a.b37991760$b04-08-17$c07-26-05
=998 \\$aes001$b07-26-05$cm$da$e-$feng$gd cu$h0$i1
=910 \\$aMARCIVE
=910 \\$aHathi Trust report None
=945 \\$g0$j0$lesb $on$p$0.00$q $r $s-$t255$u0$v0$w0$x0$y.i138993579$z07-26-05
```

Get it

```
$ curl -OL https://github.com/hectorcorrea/marcli/releases/latest/download/marcli
```

```
$ chmod u+x marcli
```

```
$ ./marcli -file=your-file.mrc
```

Download **marcli** for Mac OS,

marcli_linux for Linux,

or **marcli.exe** for Windows

Usage examples

Read a MARC binary

```
$ marcli -file=file.mrc
```

Read a MARC XML

```
$ marcli -file=file.xml
```

Output selected fields only

```
$ marcli -file=file.mrc -fields=001,100,245,876
```


More examples

Records that match a keyword

```
$ marcli -file=file.mrc -match=water
```

Records that have a given field

```
$ marcli -file=file.mrc -fields=001,100,245,876 -hasFields=876
```

Convert a MARC binary file to MARC XML

```
$ marcli -file=file.mrc -format=xml > file.xml
```

More examples (features available since May/2025)

Match records using a regular expression

```
$ marcli -file=file.mrc -matchRegEx='.*03-\d\d-06.*'
```

Get just a count of records

```
$ marcli -file=file.mrc -format=count-only
```

Combine with Linux tools

Use with **less** for easy viewing

```
$ marcli -file=file.mrc -fields=001,005,100 -match=something | less
```

Use with **grep** and **wc** to get counts

```
$ marcli -file=file.mrc -fields=001,005,100 -match=something | grep "=001" | wc -l
```

Use with **grep** (and XML output) to find entire records

```
$ marcli -file=file.mrc -fields=001,100,245,876 -format=xml | grep -E "Martin.*King"
```

How to get it

Binaries for Mac, Linux, and Windows:

- <https://github.com/hectorcorrea/marcli/releases>

Via Homebrew (Mac and Linux)

- `brew install marcli`

Source code (Go):

- <https://github.com/hectorcorrea/marcli>

Questions, comments, thoughts:

- Contact me hector@hectorcorrea.com