



MarcEdit: Tool for Managing ILAP

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MARC: A brief history

- MARC-I:
 - in 1966 by Library of Congress: only for books
- MARC-II:
 - in 1968: books, serials, maps, music, journal article
- Marc21 is the current standard. The 21 means the 21st century!!



MARC: A brief history

- Merger and Conversion

- LCMarc (1960s)=USMarc (1980s) = Marc21 (2000)
- CANMarc (1970s) = Marc21 (2000)
- BNBMarc = UKMarc = Marc21 (2000)
- UNIMARC by IFLA

CAN is for Canadian and UK is for the United Kingdom. UNIMarc, IberMarc, NORMarc and other national versions are not the same format. Records created using these formats will need to be translated for use in systems that use Marc21.



MARC: Advantages

- Millions of bibliographic records are available in this format on the web
- Records are freely downloadable from sites such as LoC, NAL, NLM
- High-end library automation software provide for copy cataloguing via MARC-21
- Essential if libraries want to participate in cooperative networks such as OCLC
- Most successful and durable metadata standard in the library environment.



MARC: Some Problems

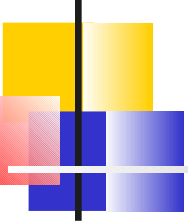
- In practice the MARC format allows only bibliographic data. Data such as reviews, indexes and their original forms, and image & sound files is difficult to add.
- Lack of flexibility
- Large volume of data can not easily be incorporated in MARC record, although there is no fixed limit for the amount of data.
- It is complicated: it is difficult to handle relations between data that are described in different fields.



MARC: Some Problems

- MARC-based database management systems used for large volumes of text, appear rather clumsy. This is primarily caused by database system, but the construction of MARC does not really support the continuous texts .
- MARC is not immediately usable for exchange with environments other than the internal library environment.

Mapping MARC to other formats



- Mapping between Dublin Core and the USMARC format has already been developed by the Library of Congress.
- MARC XML format is also used in recent days



MarcEdit

- MarcEdit is a comprehensive MARC editing software suite that includes tools like a MarcEditor, XML API, OAI Harvester and Unicode support.
- MarcEdit provides users with a GUI application that can be used for global MARC or XML record editing.



MarcEdit

- MarcEdit is a freeware application
- Developed in June 2000 by **Terry Reese** for Oregon State University
- MarcEdit is written in C#
- Currently there are two .NET frameworks being developed
 - v) Microsoft's .NET framework and
 - vi) Novell supported MONO development



MarcEdit Download

- MarcEdit 4.6.63
- Latest Version
MarcEdit 5.1

<http://oregonstate.edu/~reese/marcedit/html/downloads.html>

MarcEdit : System Requirements



- Operating System: Windows 95, Windows 98, Window ME, NT 4+, 2000, XP
- RAM: 8 MB (minimum); 32 MB+ (recommended)
- Disk space: 10.5 MB (setup); 5 MB (application)
- Software not available for LINUX

Main Interface





MarcEdit : Function

- MarcMaker
- MarcBreaker
- MarcEditor
- MARC => MARC21XML
- MARC21XML => MARC
- Delimited Text Translator
- CDS/ISIS.iso => MARC Translation



MarcEdit : Function

- Harvest OAI Records
- MarcEditZ39.50/SRU client
- MARC Split
- MARC Join
- Batch Metadata tools
- Character-Conversion tools
and many more....



MarcEdit : Function

- MarcMaker: Through MarcMaker simple text tab or comma delimited file can be converted to MARC format. First converts into .mrk file and later converted to .mrc file.
- MarcBreaker: The opposite of MarcMaker is MarcBreaker: breaks .mrc file to .mrk file.



MarcEdit : Function

- It is better tool to check the integrity of the records. If .mrc file is converted into .mrk and vice-versa this tool shows that the records are converted correctly.
- MarcEditor: The MarcEditor is a MARC-centric metadata editor for editing MARC records using a notepad style application



How to use MarcEdit

Delimited Text Translator


- Data Should have a regular pattern
- If data is in a linear (text) format, convert into tabular form and save as tab delimited file so that it is easy for tagging with MARC value.



Sample file for importing

- Title : Exploring music - the science of tones and tunes
- Main Ent : TAYLOR(C)
- Publ. Plc. : Bristol
- Publisher : Inst. of Physics
- Publ. Dt. : 1992
- Pages : ix+255p.
- Notes : PBK
- Class No. : 501
- Book No. : TAY
- Acc NO. : 17655 C
- Keywords : Musical instruments, Physics, Acoustics, Photographs

Converting text file to tabular form



A	B	C	D	E	F	G	H	I	J
barcode	title	responsibil	personal name	added	editio	place	publisher	date	paginatio
RRI2	Exploring music - the science of ton		TAYLOR C			Bristol	Inst. of Ph	1992	ix,255p.
RRI3	Critical phenomena in liquids and liq		ANISIMOV Michail A			Philadelph	Gordon & I	1991	xvi,431p.
RRI4	Ferroelectric liquid crystals - princip		GOODBY J W			Philadelph	Gordon & I	1991	ix,474p.
RRI5	Think of a number		LINES M			Bristol	Inst. of Ph	1990	viii,163p.
RRI6	Introduction to chaos and coherence		FROYLAND J			Bristol	Inst. of Ph	1992	vii,130p.
RRI7	A number for your thoughts		LINES M			Bristol	Adam Hilg	1986	vi,214p.
RRI8	Science with a smile		WEBER R L			Bristol	Inst. of Ph	1992	452p.
RRI9	Encyclopedia C		RADCLIFFE Robert A			New Delhi	BPB Pub	1992	xv,1333p.
RRI10	Fundamentals of quantum mechanic		BOROWITZ S						p.
RRI11	Quantum theory of light		LOUDON Rodney			Oxford	Clarendon	1973	xii,338p.
RRI12	Collected works		PANCHARATNAM S			London	Oxford univ	1975	326p.
RRI13	Introduction to computer science		GRAHAM Neill			New York	West Pub	1982	xiii,553p.
RRI14	The Unix programmng environment		KERNIGHAN Brian W	PIKE R		New Jerse	Prentice- H	1984	x,357p.
RRI15	Systems programming systems		HSIAO D K			Massachu	Addison-W	1975	xxii,328p
RRI16	Radio astronomy		KRAUS J D			New York	McGraw-H	1966	x,486p.
RRI17	Astrophysics of active galaxies and		SANTA CRUZ WORK	MILLER Jos		Oxford	Oxford Uni	1985	519p.
RRI18	Postscript language program design		ADOBE SYSTEMS INCORPORA			Massachu	Addison-W	1988	xii,224p.
RRI19	Postscript language reference manu		ADOBE SYSTEMS INCORF	2nd		Massachu	Addison-W	1990	vii,764p.
RRI20	Photon counting and photon statisti		TROUP G J			Oxford	Pergamon	1972	43p.
RRI21	Chaotic dynamics		BAKER G L & GOLLUB J P						p.

File in tab delimited text form

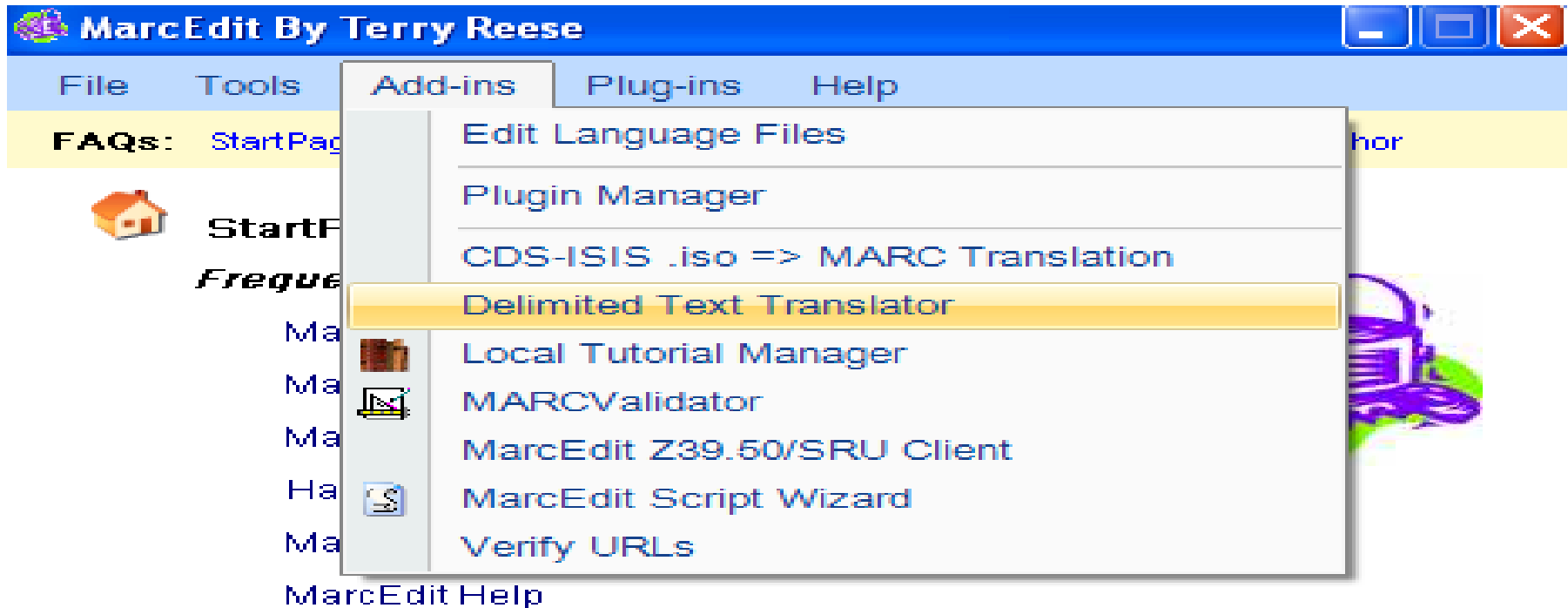
```

RRI2 Exploring music - the science of tones and tunes
TAYLOR C Bristol Inst. of Physics 1992
"ix,255p." PBK 501 TAY 501 TAY 17655C C
RRI Raman Research Institute RRI RRI BK
10/30/2008 1 Musical
instruments$aPhysics$aAcoustics$aPhotographs$aTaylor(Charl
RRI3 Critical phenomena in liquids and liquid crystals
ANISIMOV Michail A Philadelphia Gordon & Breach
1991 "xvi,431p." HBK 538.9 LC ANI 538.9 LC
ANI 17657C C RRI Raman Research Institute RRI
RRI BK 10/30/2008 1 Thermodynamics$aPhase
transitions$a
RRI4 "Ferroelectric liquid crystals - principles, properties and
applications" GOODBY J W Philadelphia
Gordon & Breach 1991 "ix,474p." HBK 538.9
LC GOO 538.9 LC GOO 17658C C RRI Raman Research Institute
RRI RRI BK 10/30/2008 1
RRI5 Think of a number LINES M
Bristol Inst. of Physics 1990 "viii,163p." PBK.
511 LIN 511 LIN 17653C C RRI Raman Research Institute
RRI RRI BK 10/30/2008 1 Number theory$aPopular
book$a
RRI6 Introduction to chaos and coherence FROYLAND J
Bristol Inst. of Physics 1992 "vii,130p."
PBK 536.767 FRO 536.767 FRO 17652C C RRI
Raman Research Institute RRI RRI BK 10/30/2008 1
Nonlinear dynamical systems$aFractals$a
RRI7 A number for your thoughts LINES M
Bristol Adam Hilger 1986 "vi,214p." PBK
511 LIN 511 LIN 17654C C RRI Raman Research Institute
RRI RRI BK 10/30/2008 1 Number theory$aPopular
book$a

```

Open MarcEdit and import

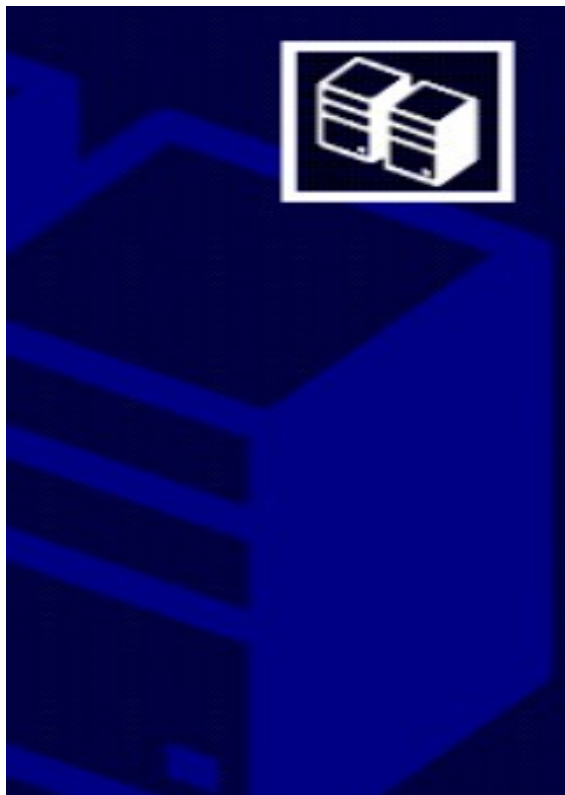
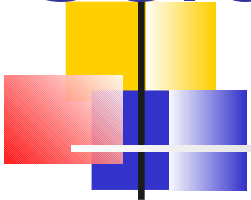
- Click Add-in > Delimited Text Translator



What's New in MarcEdit



Select delimited text translator



MarcEdit Delimited Text Translator

Version: 1.5.3098.42769

The MarcEdit Delimited Text Translator provides a quick and easy method for converting delimited text files into MARC. The utility allows users to define MARC Fields and indicators to individual fields and automatically creates a minimal 008 for your MARC records. Please be aware however, this utility just provides a method to convert delimited data to MARC. This utility will not do validation on the fields created.

Next

Cancel

Convert .txt to .mrk format

MarcEdit Delimited Text Translator



Input File:

C:\Documents and Settings\vijaykumar\Desktop\rii.txt



Output File:

C:\Documents and Settings\vijaykumar\Desktop\rii.mrk



Delimiter:

Tab



Text Qualifier

[Edit LDR/008](#)

UTF-8 Encoded

Next

Cancel

Field mapping with the value

- Author = 100\$a Title = 245\$a

MarcEdit Delimited Text Translator

Field 0	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Field 7
1							

Select:
Field 2
Field 3

Map To:
300\$a

Indicators:
\

Term. Punctuation:

Constant Data
 Repeatable Subfield

Arguments
1 245\$a 0
2 100\$a 0

Save Template
 Sort Fields

Apply Load Template
Finish Cancel



.mrk format

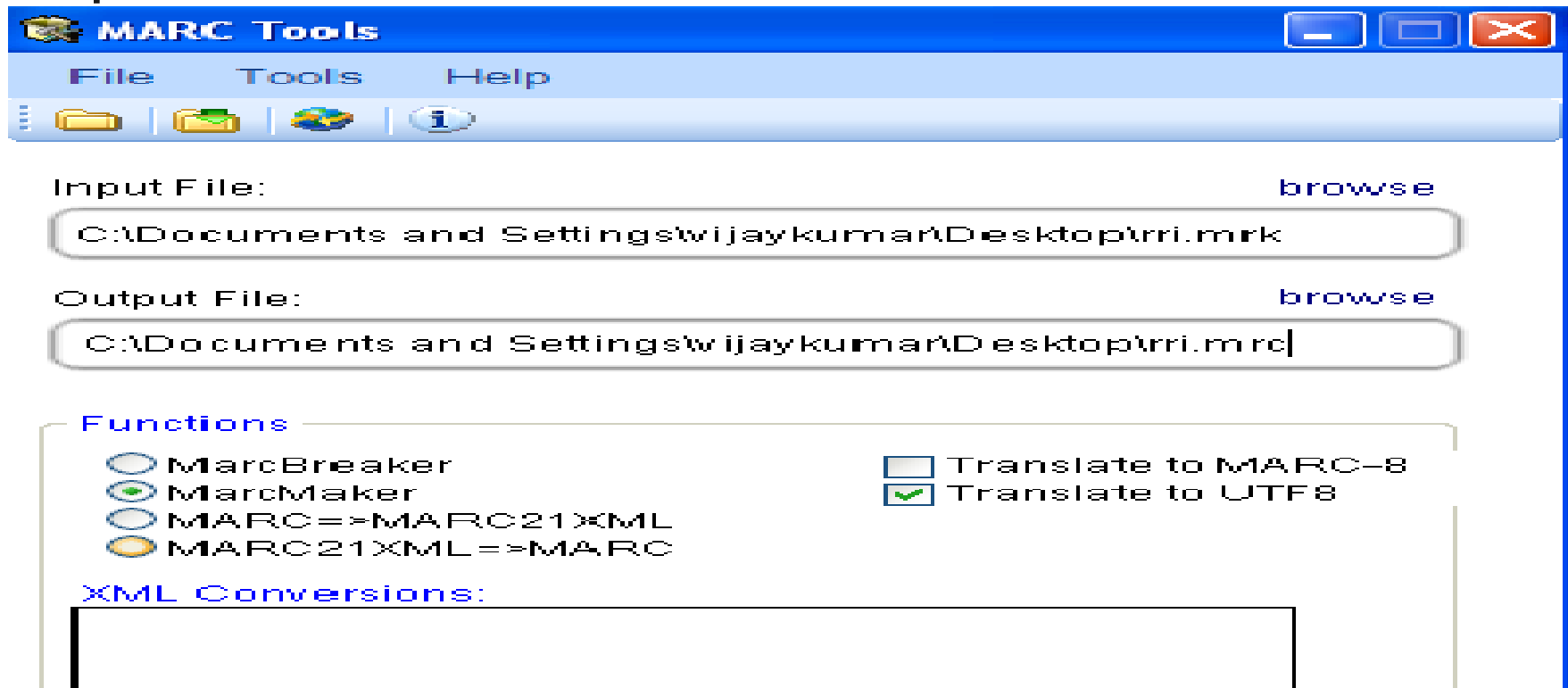
```
=LDR 0000nam a2200000Ia 45e0
=008 080919s9999\\|xx\\|\\|\\|\\|\\|\\|\\|000\0\und\d
=020 \\$aISBN
=080 \\$aClassificationnumber$bBookNumber
=100 \\$aAuthor
=245 \\$aTitle$cStatementofresponsibility
=250 \\$aEdition
=260 \\$aPublicationPlace$bPublisherName$cPublicationDate
=300 \\$aExtent
=440 \\$aTitleSeries
=650 \\$aSubjectadded
=750 \\$aPersonalname
=942 \\$citemtype
=952 \\$oitemcallnumber$pbarcode$ahomebranch$bholdingbranch
```




Next Step ...

- After converting text file into .mrk format, need to convert into .mrc format.
- Open MarcEdit > click on MARCMaker >import .mrk file and >click on Execute
- Now the records are converted into .mrc format for importing.

Convert .mrk to .mrc format





.mrc format

- 00411nam a2200133la
4500008004100000080001100041100
0015000522450053000672600036001
2030000150015665000670017194200
0700238952003200245080919s9999
xx 000 0 und d a1bTAY
aTAYLOR C;



Demo...



Thank you
