



Librarian Guide

Vol. 1 Issue 6

2017

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1st Virtual Conference on Role of OSS in Libraries during May 26-27, 2018 <http://rossal.dpatripathi.in>

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How Big is a Petabyte, Exabyte, Zettabyte etc.?

Bytes (8 bits)

- 0.1 bytes: A binary decision
- 1 byte: A single character
- 10 bytes: A single word
- 100 bytes: A telegram OR A punched card

Kilobyte (1000 bytes)

- 1 Kilobyte: A very short story
- 2 Kilobytes: A Typewritten page
- 10 Kilobytes: An encyclopedic page OR A deck of punched cards
- 50 Kilobytes: A compressed document image page
- 100 Kilobytes: A low-resolution photograph
- 200 Kilobytes: A box of punched cards
- 500 Kilobytes: A very heavy box of punched cards

Megabyte (1 000 000 bytes)

- 1 Megabyte: A small novel OR A 3.5-inch floppy disk
- 2 Megabytes: A high resolution photograph
- 5 Megabytes: The complete works of Shakespeare OR 30 seconds of TV-quality video
- 10 Megabytes: A minute of high-fidelity sound OR A digital chest X-ray
- 20 Megabytes: A box of floppy disks
- 50 Megabytes: A digital mammogram
- 100 Megabytes: 1 meter of shelved books OR A two-volume encyclopedic book
- 200 Megabytes: A reel of 9-track tape OR An IBM 3480 cartridge tape
- 500 Megabytes: A CD-ROM OR The hard disk of a PC

Gigabyte (1 000 000 000 bytes)

- 1 Gigabyte: A pickup truck filled with paper OR A symphony in high-fidelity sound OR A movie at TV quality
- 2 Gigabytes: 20 meters of shelved books OR A stack of 9-track tapes
- 5 Gigabytes: An 8mm Exabyte tape
- 10 Gigabytes:
- 20 Gigabytes: A good collection of the works of Beethoven OR 5 Exabyte tapes OR A VHS tape used for digital data
- 50 Gigabytes: A floor of books OR Hundreds of 9-track tapes
- 100 Gigabytes: A floor of academic journals OR A large ID-1 digital tape
- 200 Gigabytes: 50 Exabyte tapes

Terabyte (1 000 000 000 000 bytes)

- 1 Terabyte: An automated tape robot OR All the X-ray films in a large technological hospital OR 50000 trees made into paper and printed OR Daily rate of EOS data (1998)
- 2 Terabytes: An academic research library OR A cabinet full of Exabyte tapes
- 10 Terabytes: The printed collection of the US Library of Congress
- 50 Terabytes: The contents of a large Mass Storage System



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How Big is a Petabyte, Exabyte, Zettabyte etc.? continued...

Petabyte (1 000 000 000 000 000 bytes)

- 1 Petabyte: 5 years of EOS data (at 46 mbps)
- 2 Petabytes: All US academic research libraries
- 20 Petabytes: Production of hard-disk drives in 1995
- 200 Petabytes: All printed material OR Production of digital magnetic tape in 1995

Exabyte (1 000 000 000 000 000 000 bytes)

- 5 Exabyte: All words ever spoken by human beings.

Zettabyte (1 000 000 000 000 000 000 000 bytes)

Yottabyte (1 000 000 000 000 000 000 000 000 bytes)

- Named after Yoda.

Xenottabyte (1 000 000 000 000 000 000 000 000 bytes)

Shilentnobyte (1 000 000 000 000 000 000 000 000 000 bytes)

Domegemegrottebyte (1 000 000 000 000 000 000 000 000 000 000 bytes)

Source: [HighScalibility](#)



Self-Learning Videos on YouTube^{IN} Channel Guide'

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The YouTube Channel '**Librarian Guide**' is an outcome of problem faced during self-practice and working in the different open source software. So, thought to have one common platform to share the idea in the form of video and share the knowledge with each other. This channel contains the self-prepared videos which describes in detail about different open source software with working procedures especially applicable in library activities.

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Important for Cataloguers

111 - Main Entry-Meeting Name (NR) (Marc Tag)

First Indicator

Type of meeting name entry element

- 0 - Inverted name
- 1 - Jurisdiction name
- 2 - Name in direct order

Second Indicator

Undefined
- Undefined

Subfield Codes

- \$a - Meeting name or jurisdiction name as entry element (NR)
- \$c - Location of meeting (R)
- \$d - Date of meeting (NR)
- \$e - Subordinate unit (R)
- \$f - Date of a work (NR)
- \$g - Miscellaneous information (R)
- \$j - Relator term (R)
- \$k - Form subheading (R)
- \$l - Language of a work (NR)
- \$n - Number of part/section/meeting (R)
- \$p - Name of part/section of a work (R)
- \$q - Name of meeting following jurisdiction name entry element (NR)
- \$t - Title of a work (NR)
- \$u - Affiliation (NR)
- \$0 - Authority record control number or standard number (R)
- \$4 - Relationship (R)
- \$6 - Linkage (NR)
- \$8 - Field link and sequence number (R)

FIELD DEFINITION AND SCOPE

Meeting or conference name used as a main entry in a bibliographic record.

According to various cataloging rules, main entry under a meeting name is assigned to works that contain proceedings, reports, etc.

Meetings entered subordinately to a corporate body that are used as main entries are recorded in field 110.

GUIDELINES FOR APPLYING CONTENT DESIGNATORS

Descriptions of the first indicator position and all subfield codes, as well as input conventions for the 111 field, are given in the *X11 Meeting Names-General Information* section. Because the second indicator is different for various X11 fields, it is not described in the general information section, but is described below.

■ INDICATORS

Second Indicator - Undefined

Undefined and contains a blank (#).

| | |
|--|--|
| 111 2# \$a Congress on Machinability \$d(1965 : \$cRoyal Commonwealth Society) | 111 2# \$a Governor's Conference on Aging (N.Y.) \$d(1982 : \$cAlbany, N.Y.) |
| 111 2# \$a Vatican Council \$n(1st : \$d1869-1870) | 111 2# \$a Esto '84 \$d(1984 : \$cToronto, Ont.) \$eRaamatunaituse Komitee. |
| 111 2# \$a Regional Conference on Mental Measurements of the Blind \$n(1st : \$d1951 : \$cPerkins Institution) | 111 2# \$a World Peace Conference \$n(1st : \$d1949 : \$cParis, France; \$cPrague, Czechoslovakia) |
| 111 2# \$a Festival of Britain \$d(1951 : \$cLondon, England) | 2# \$a White House Conference on Library and Information Services \$d(1979 : \$cWashington, D.C.) \$eOhio Conference Delegation. |
| 111 2# \$a Expo '70 \$c(Osaka, Japan) | 111 2# \$a International Symposium on Quality Control (1974-) \$n(3rd : \$d1978 : \$cTokyo, Japan) |
| 111 2# \$a Oxford University Expedition to Spitsbergen \$n(1st : \$d1921) | 2# \$a National Conference on Physical Measurement of the Disabled, \$n2nd, \$cMayo Clinic, \$d1981, \$gProjected, not held. |
| 111 2# \$a International American Conference \$n(8th : \$d1938 : \$cLima, Peru) \$eDelegation from Mexico. | 111 1# \$a Paris. \$q Peace Conference, \$d1919. |
| 111 2# \$a Paris Peace Conference \$d(1919-1920) | 111 2# \$a Symposium on the Underground Disposal of Radioactive Wastes \$d(1979 : \$cOtaniemi, Finland) \$4fnd |
| 111 2# \$a Symposium Internacional "Manuel Pedroso" In Memoriam \$d(1976 : \$cGuanajuato, Mexico) | |
| 111 1# \$a Chicago. \$q Cartography Conference. | |

Source: LOC Marc

Reference Management Tools for Librarian / Researchers

Reference management software, citation management software or personal bibliographic management software is software for scholars and authors to use for recording and utilizing bibliographic citations (references). Once a citation has been recorded, it can be used time and again in generating bibliographies, such as lists of references in scholarly books, articles and essays. The development of reference management packages has been driven by the rapid expansion of scientific literature. These software packages normally consist of a database in which full bibliographic references can be entered, plus a system for generating selective lists of articles in the different formats required by publishers and scholarly journals. Modern reference management packages can usually be integrated with word processors so that a reference list in the appropriate format is produced automatically as an article is written, reducing the risk that a cited source is not included in the reference list. They will also have a facility for importing the details of publications from bibliographic databases.

| Software | Developer | Year | Cost (USD) | Free | Notes |
|---------------|--|------------------|--|------|--|
| BibDesk | BibDesk developers | 2002-04 | Free | Yes | BibTeX front-end + repository; Cocoa-based; integration with Spotlight |
| BibSonomy | University of Kassel | 2006-01 | Free | Yes | centrally hosted website |
| CiteULike | Oversity Limited | 2004-11 | Free | No | centrally hosted website |
| colwiz | colwiz Ltd | 2011 | Free / Online storage free up to 3 GB | No | Desktop (Win, Mac, Linux) & Web components, iOS and Android |
| JabRef | JabRef developers | 2003-11-29 | Free | Yes | Java BibTeX and BibLaTeX manager |
| KBibTeX | KBibTeX developers | 2005-08 | Free | Yes | BibTeX front-end, using the KDE Software Compilation |
| Mendeley | Elsevier | 2008-08 | Free / Online storage free up to 2 GB | No | Account required, Desktop & Web components, Windows, Linux, OS X, iPhone & iPad, Android |
| Pybliographer | pybliographer developers | 1998-10-30 (0.2) | Free | Yes | Python/GTK2 |
| Zotero | Roy Rosenzweig Center for History and New Media at GMU | 2006 | Free / Online storage free up to 300 MB / Additional storage space available | Yes | Multi-platform desktop version with connectors for Firefox, Chrome and Safari. Web-based access to reference library also available. |

Source: [Wikipedia](#)



Dear Friends,

The e-newsletter 'Librarian Guide' is an initiative to reach the beloved library professionals for sharing the ideas and knowledge for the benefit of professionals and profession as well. The content used in this newsletter covers mainly the technical issues related to our day to day routine work in library. I trust, this e-newsletter will be useful for many library professionals. Thanks ...

