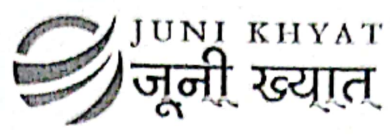


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## Open source e-books manager software's: A Comparative Analysis

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### Abstract

In this study, researcher has studied on Icecream e-book reader, Adobe Digital Editions, Calibre, Alfa E book Manager, cXtreme Books manager and Lucidor open source e-books manager and e-reader software's. Researcher has used some compare criteria like e-book format, system requirements, multiple language support, Metadata, design, navigation, Bookmarking, organization of e-collection, Library export and import facilities. The result of this study shows that selected e-book manager and e-reader software's are compatible with windows platform. All the software's have good design and provide facilities like bookmarking; some software's support multiple languages.

### Introduction

Technology has impacted every sector of society. Print books reading culture has slowly changes to e-books reading. Most of the books are publishing in e-book format. It is necessary for readers to organize and store their e-books in order to give a rich reading experience and to the easy retrieve of favorite content. There are so many e-book management software's available on Internet. Book management software can be used for managing your eBooks on Windows PC and tablets. E-books management software supports online reading; it's also help to improve reading culture.

### E-book

An electronic book, also known as an e-book or e-books, is a book publication made available in digital form, consisting of text, images, or both, readable on the flat-panel display of computers or other electronic devices.

### Definition

Morgan (1999) defines e-books as being the hardware/software combination specifically designed for reading, in contrast with e-texts written in hyper-text markup language and viewable on a computer. Hawkins (2000) expands the definition of e-books to include the contents of any book made available in electronic form through four different methods: downloadable, dedicated e-books; a dedicated e-books reader; web accessible e-books; or a print-on-demand book.

### E-book manager software and e-book reader

An e-books management system is a process where the reader manages in an easy, interactive, and efficient way his own purchased online books and free copy right books available on the internet

### Literature Review

Jun Han, Baojing Zhang, Jing Liu and Xuefei Chen(2010) . In this research study researchers have done comparative study on Amazon Kindle series, Sony PRS series, Hanwang "electronic paper book" and WeFound of Founder Group. Researcher have analysed on the basis on appearance and interface design, technical support and functional characteristics. The result of this study is showed that some e-books reader available in black white format and some in color format, some books reader compatible with PC mobile some are not compatible with PC and mobile. Siegenthaler, E., Wurtz, P., & Groner, R. (2010). In this research study researchers have studied on usability of e-book readers. The researcher has tested five e-book readers like iRex, Bookeen, BeBook, Sony, Ectaco jetBook, Classic paper book. The researchers have found significant differences between the different brands of e-book readers. In this study researchers have showed that the current e-reader

generation has large deficits with respect to usability. Users were unable to use e-readers intuitively and without problems.

### Objective of the Study

1. To identify the open source e-books manager software's available on Internet.
2. To know the different features of selected e-books manager software's.
3. To compare selected e-books manager software.
4. To identify the best e-book manager software.

### Scope of the Study

This research study is limited to the six selected e-books manager software's.

1. Icecream e-book manager and reader
2. Adobe Digital Editions
3. Calibre
4. Alfa E book Manager
5. eXtreme Books manager
6. Lucidor

### Research Methodology

Research method selected by researcher for the present research study is descriptive research. In this research study, researcher has observe, examine and compare available e-books manager and e-books reader software's. Software's has downloaded from Internet and actual examination and compare are done.

Comparative study of Icecream e-book reader, Adobe Digital Editions, calibre, Alfa E book Manager, eXtreme Books manager and Lucidor

Comparative criteria	E-books Manager and reader					
	Icecream e-book manager	Adobe Digital Editions	Calibre	Alfa E book Manager	eXtreme Books manager	Lucidor
Developed Organization and company	Icecream Apps Ltd is a software developer	Developed by Adobe pvt Ltd	Developed By Kovid Goyal	Alfa E-books Manager	BinaryWorks.it Software	Developed by Lucidor.org
Support e-books format	EPUB, MOBI, FB2, CBZ, CBR, PDF and TXT	PDF, EPUB, EPUB3	EPUB, Kindle	pdf, epub, mobi, fb2, djvu, txt.	PDF	EPUB
System requirements	windows	Windows, Mac OS, iOS, Android	Windows	Windows	Windows	GNU/Linux and Windows

generation has large deficits with respect to usability. Users were unable to use e-readers intuitively and without problems.

**Objective of the Study**

1. To identify the open source e-books manager software's available on Internet.
2. To know the different features of selected e-books manager software's.
3. To compare selected e-books manager software.
4. To identify the best e-book manager software.

**Scope of the Study**

This research study is limited to the six selected e-books manager software's.

1. Icecream e-book manager and reader
2. Adobe Digital Editions
3. Calibre
4. Alfa E book Manager
5. eXtreme Books manager
6. Lucidor

**Research Methodology**

Research method selected by researcher for the present research study is descriptive research. In this research study, researcher has observe, examine and compare available e-books manager and e-books reader software's. Software's has downloaded from Internet and actual examination and compare are done.

**Comparative study of Icecream e-book reader, Adobe Digital Editions, calibre, Alfa E book Manager, eXtreme Books manager and Lucidor**

Comparative criteria	E-books Manager and reader					
	Icecream e-book manager	Adobe Digital Editions	Calibre	Alfa E book Manager	eXtreme Books manager	Lucidor
Developed Organization and company	Icecream Apps Ltd is a software developer	Developed by Adobe pvt Ltd	Developed By Kovid Goyal	Alfa E-books Manager	BinaryWorks.it Software	Developed by Lucidor.org
Support e-books format	EPUB, MOBI, FB2, CBZ, CBR, PDF and TXT	PDF, EPUB, EPUB3	EPUB, Kindle	pdf, epub, mobi, fb2, djvu, txt	PDF	EPUB
System requirements	windows	Windows, Mac OS, iOS, Android	Windows	Windows	Windows	GNU/Linux and Windows

Multiple Language Support facilities	English	English, French, German, Italian, Spanish, Dutch, Brazilian Portuguese, Japanese, Korean, Chinese Simplified, Chinese	English, Estonian, French, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Ukrainian	English, German, French, Spanish, Italian, Portuguese, Dutch, Russian, Czech, Turkish, Greek, Polish, Romanian, Zungarian, Indonesian, Arabic, Chinese and Farsi	English	English
Catalogue/ Metadata	Support	Not Support	Support	Support	Not support	OPDS
Custom or organize collection	Custom bookshelves sorted by title, author, and publisher	Custom bookshelves sorted by title, author, and publisher	Custom bookshelves sorted by title, author, and publisher	Custom bookshelves sorted by title, author, and publisher	using covers, titles, tags, authors, publishers	Custom bookshelves sorted by title, author, and publisher
Support to Audio books	No	No	No	Yes	Yes	No
Notes and Highlight facilities	Yes	Yes	Yes	Yes	Yes	No
Copy, search and translate text facilities	Yes	No	No	Yes	Yes	No
Progress tracing facilities	Yes	No	Yes	Yes	Yes	No
Bookmarking facilities	Yes	Yes	Yes	Yes	Yes	Yes
Navigation Scroll Bar facilities	Yes	No	Yes	Yes	Yes	Yes
Full Screen Mode facilities	Yes	Yes	Yes	Yes	Yes	Yes
Data Sorting facilities	Yes	Yes	No	Yes	Yes	No
Library export and import facilities	Yes	Yes	No	Yes	Yes	No
Read password Protection file facilities	Yes	No	No	Yes	No	No

### Finding

1. In this study researcher found that Icecream e-book reader and Alfa books managers have support all books file format EPUB, MOBI, FB2, CBZ, CBR, PDF and TXT. Caliber and Lucidor e books manager support only EPUB file format.
2. Adobe digital edition is compatible with Windows, Mac OS, iOS, Android, Lucidor compatible with GNU/Linux and windows. Remaining all software's are compatible with only windows.
3. Adobe digital edition, Calibre and Alfa e-book manager are support multiple language support.
4. Icecream e-book manager Calibre Alfa E book Manager are Metadata facility provided, Lucidor support OPDS catalogue.
5. Alfa E book Manager and eXtreme Books manager support audio books.
6. Icecream e-book manager, Alfa E book Manager, eXtreme Books manager have translate text facility.
7. Bookmarking, Navigation Scroll Bar, Full Screen Mode such facility available to all E-books manager.
8. Library export and import facility is available to Icecream e-book manager, Adobe Digital Editions, Alfa E book Manager, eXtreme Books manager.
9. Icecream e-books reader have Read password Protection file facility.

### Conclusion

Technology has made revolutions in society. Human being has reduced their lot of efforts with the help of technology. Readers are likes e-books reading. E-books managers and e-books readers are help to users to provide various facilities while reading e-books. In this study researcher studied on Icecream e-book reader, Adobe Digital Editions, Alfa E book Manager, eXtreme Books manager and Lucidor. The result of study shows that Adobe Digital Editions and Alfa e-book Manager are best open source e-books management software's. Users can download this e-books managers and e-readers from Internet and create their personal e-library.

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