



Thorium

“desktop” reader app
made with the **Readium** SDK

- “Desktop” reader app
 - Windows
 - Mac
 - Linux
- Free (of charge)
- Free (Open Source Software)
- Developed by **EDRLab**





Search



All books

+

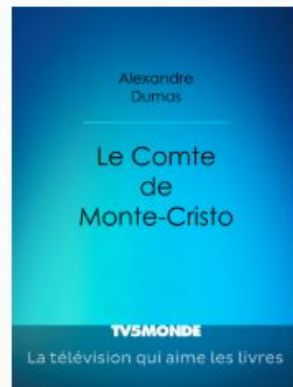
Resume reading



Moby-Dick
Herman Melville



Accessible EPUB 3
Matt Garrish



Le Comte de Monte-Cristo
Dumas, Alexandre



Children's Literature
Charles Madison Curry,
Erle Elsworth
Clippinger





Preface

Accessibility is a difficult concept to define. There's no single magic bullet solution that will make all content accessible to all people. Perhaps that's a strange way to preface a book on accessible practices, but it's also a reality you need to be aware of. Accessible practices change, technologies evolve to solve stub-

born problems, and the world becomes a more accessible place all the time.

But although there are best practices that everyone should be following, and that will be detailed as we go along, this guide should neither be read as an instrument for accessibility compliance nor as a replacement for existing guidelines.



A Few Key Features

- **Accessible User Interface**
 - blindness, low vision, dyslexia
 - keyboard use, screen readers, high-contrast
- **Organized bookshelf (publication metadata, user tags, sorting, filtering, searching)**
- **Customizable text layout / formatting**
- **Text To Speech (TTS) read aloud**
- **Bookmarks, annotations / highlights**

Supported Formats

- **EPUB**
 - fixed layout, reflow
- **LCP (DRM)**
- **OPDS (feeds / online catalogs)**
- **PDF, audio books, comics**
- **W3C Web Publications**



Technologies (Under the Hood)

- **Made with Radium desktop SDK**
- **Built with Electron (Chromium)**
 - User Interface = Web technologies
 - HTML + CSS + SVG + Javascript
- **React UI** (with in-house custom components)
- **Redux + Saga + DB** (store management / state infrastructure)



Work in Progress

- **BETA release** (public testing)
- **Microsoft helping** (Windows store integration)
- **Improving screen reader support**
 - Narrator, NVDA, JAWS, VoiceOver
- **Fixing user interface bugs**
- **Tweaking language localization**
 - English, French, German



Bookshelf vs. Reader Views

two main windows


minimalist, distraction-free environment

Thorium - My Books


My Books Catalogs Settings

Search All books +


Resume reading




Moby-Dick
Herman Melville



Accessible EPUB 3
Matt Garrish



Le Comte de Monte-Cristo
Alexandre Dumas



CHILDREN'S LITERATURE
A TEXTBOOK OF SOURCES FOR TEACHERS AND TEACHER-TRAVELING CLASSES
EDITED WITH INTRODUCTORY NOTES AND ILLUSTRATIONS BY CHARLES MADISON CURRY AND ERLE ELSWORTH CLIPPINGER
PRESIDENT OF LIBRARIES IN THE ALBANY STATE NORMAL SCHOOL
BAND M'CALLY & COMPANY NEW YORK

>



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Multiple Reader Windows

e.g. comparative book study
large / extended display

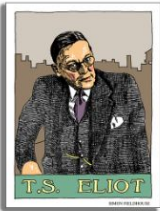
Thorium - My Books

My Books Catalogs Settings

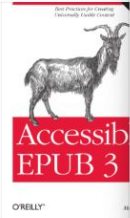
Search All books +

Clippinger

Recently added



The Waste Land
T.S. Eliot



Accessible EPUB 3
Matt Garrish

Thorium - The Waste Land

The Waste Land

T.S. Eliot

"Nam Sibyllam quidem Cumis ego ipse oculis meis
vidi in ampulla pendere, et cum illi pueri dicerent:
Σίβυλλα τί θέλεις; respondebat illa: ἀποθανεῖν θέλω."

For Ezra Pound: il miglior fabbro

[more informations](#)

[more informations](#)

Thorium - The Waste Land

Accessible EPUB

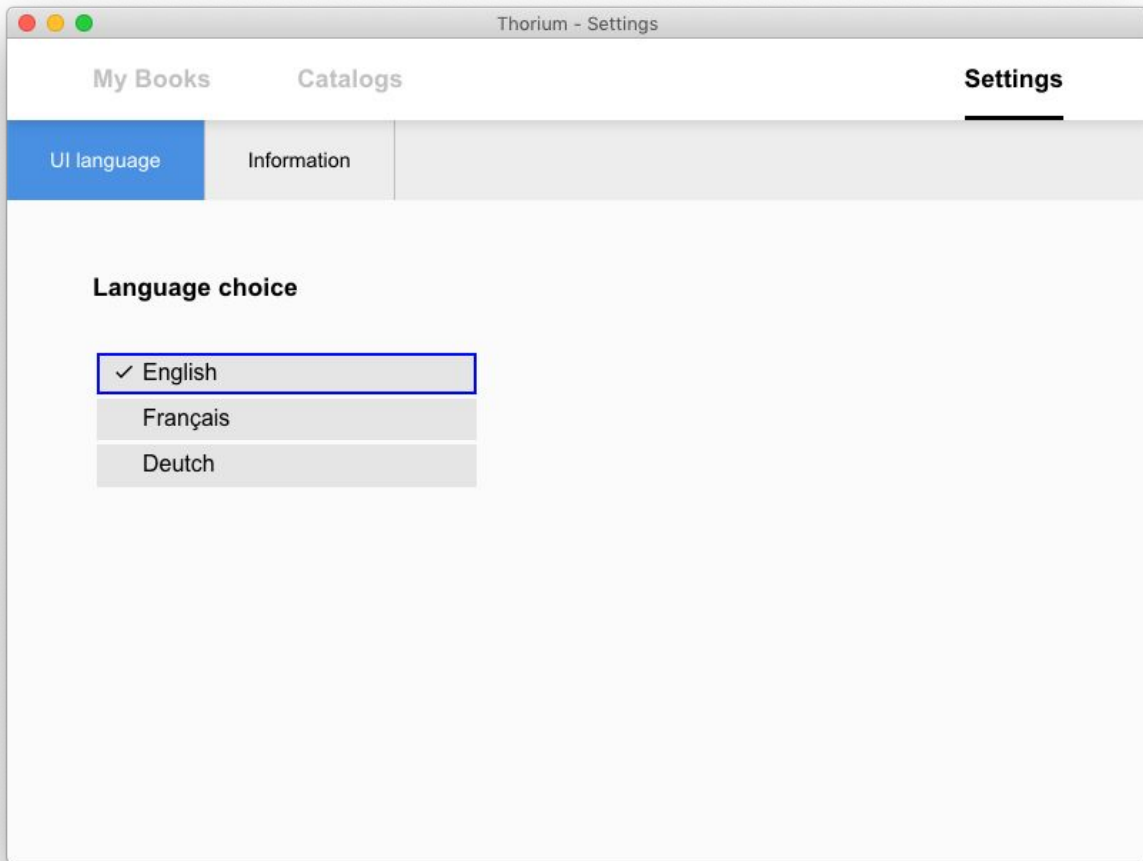
Matt Garrish
Editor
Brian Sawyer
Editor
Dan Fauxsmith

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[more informations](#)

User Interface Localization

(currently English, French, German)



My Books

Catalogs

Settings

UI language

Information

Language choice

✓ English

Français

Deutch


Organized Bookshelf

custom user labels / tags, filtering, sorting, searching

Thorium - My Books

My Books Catalogs Settings

Search All books +



Children's Literature
Charles Madison Curry, Erle Elsworth Clippinger

Published on 05/20/2008

Tags

More Info

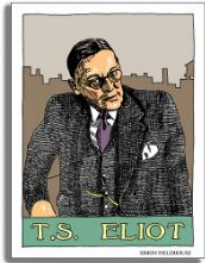
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Language English
Identifier
<http://www.gutenberg.org/ebooks/25545>

Clippinger

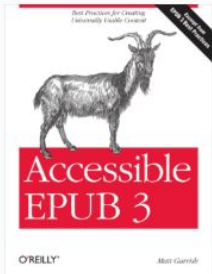
Thorium - My Books

My Books Catalogs Settings

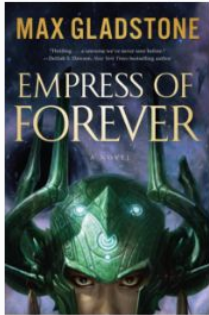
Search All books +




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T.S. Eliot



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Empress of Forever
Max Gladstone



Children's Lit
Charles M. Elice
Clipping

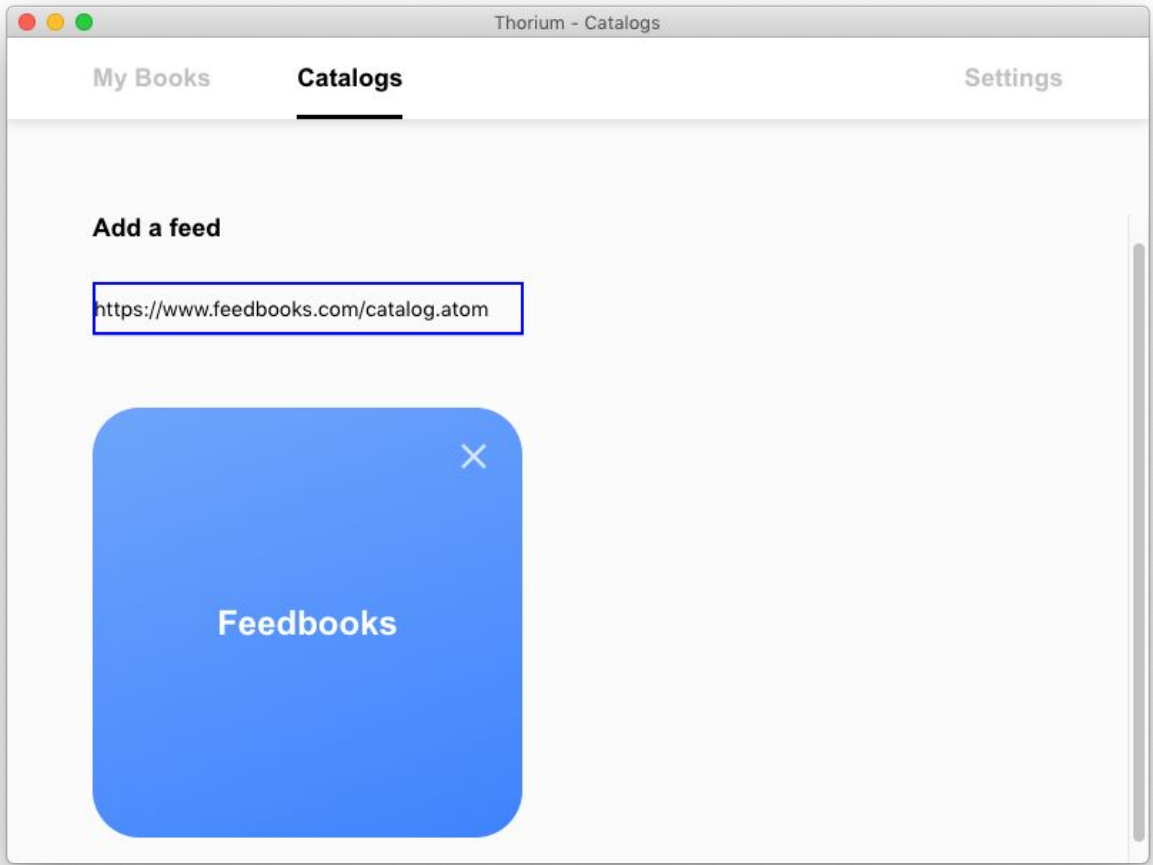
My tags

sort by >

tag1 tag2 tag3

OPDS

publication feeds, online catalogs

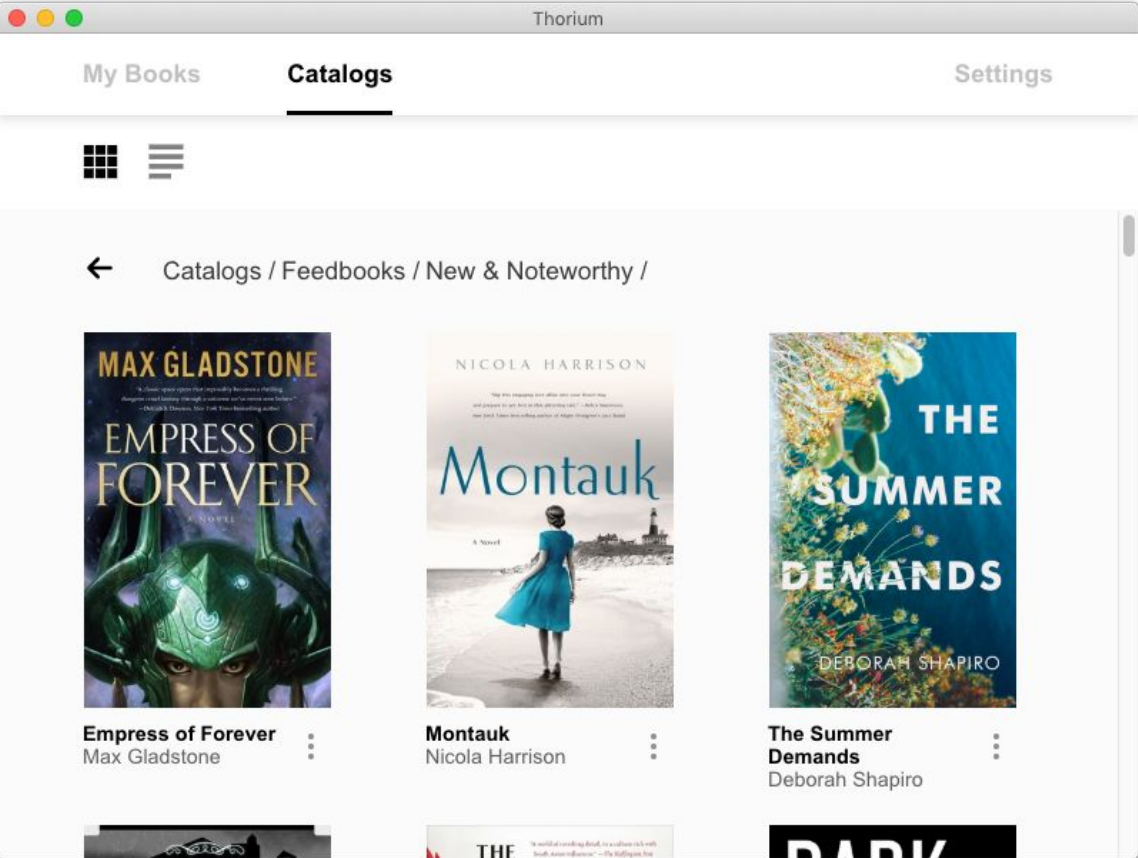


Add a feed

<https://www.feedbooks.com/catalog.atom>

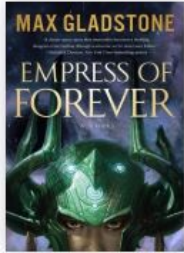
X

Feedbooks



Thorium

My Books **Catalogs** Settings



Empress of Forever
Max Gladstone

Published on 05/24/2019

Tags [Fiction](#) [Science Fiction](#)
[Adventure](#)
[American and Canadian literature](#)

Add the extract book to library

Description

"A classic space opera...a universe we've never seen before." —Delilah S. Dawson, New York Times bestselling author
From Hugo Award finalist Max Gladstone comes

Table of Contents

+ EPUB landmarks, page list

42. Wilkins, Mary E., *The Pot of Gold*.

171

INTRODUCTORY

The difficulties of classification are very more it must be noted that illustrative and than logical ones are served by the arrange fanciful story is here placed next to the rea all the groups of folk products. The Hebrew belong quite as well, perhaps even better, i ries at the end of Section VI shade off into short tales. Then the fact that other groups follow later, illustrating more realistic stud

more informations

Thorium - Children's Literature

Table of content

SECTION IV FAIRY STORIES—
MODERN FANTASTIC TALES

BIBLIOGRAPHY

INTRODUCTORY

Abram S. Isaacs

190 A FOUR-LEAVED
CLOVER

I. The Rabbi and the
Diadem

II. Friendship

III. True Charity

IV. An Eastern Garden

Keyboard Navigation

outlined document hyperlinks
automatic page turn



more; and now the water closed over the soldier's head. Then he thought of the pretty little Dancer, and how he should never see her again; and it sounded in the soldier's ears:

Farewell, farewell,
thou **warrior** brave,
For this day thou
must die!

Transcriber's
Note: original
reads 'warrier'

[more informations](#)

And now the paper parted, and the Tin Soldier fell out; but at that moment he was snapped up by a great fish.

Oh, how dark it was in that fish's body! It was darker yet than in the 203 drain tunnel; and then it was very narrow too. But the Tin Soldier remained unmoved, and lay at full length shouldering his musket.

The fish swam to and fro; he made the most wonderful movements, and then became quite still. At last some-



Customizable Document Styling

text layout, formatting, colour themes, typography etc.

Thorium - Accessible EPUB 3

← ⓘ 📖

🔖 aa 📖 🗨

tices, pointers to dard as
where you can obtain wide-r
more information will 3 that
be included. Don't fall will eve
into the trap of hand- op as t
picking accessibility. offers
It is also naturally and im
the case with a stan- This gu

more informations

Theme >

Text >

Display >

Spacing ▾

Margin 1 rem

Word spacing 0 rem

Letter spacing 0.07 rem

Line spacing 2 rem

Custom Fonts

preloaded selection, includes dyslexia font
+ system font, web fonts

Thorium - Accessible EPUB 3

← ⓘ 📖

🔖 aa 📖 🗨

making your publications richer for all readers at the same time that you make them more accessible. Proliferating usability guidelines and muddying the waters of compliance is not its intent. There are areas that would take a book unto themselves to explore in detail in relation to the use of HTML5 content within EPUB, such as the Web Content Accessibility Guidelines (WCAG) and Web Accessibility Initiative's Accessible Rich Internet Applications (ARIA). While beyond what can be achieved through best practices, there are things that can be obtained through the use of included. Do not hand-pick content. It is also not a standard as EPUB 3 that evolve and

Theme >

Text ▾

Font size

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Font

Old Style ▾

Display >

Spacing >

[more informations](#)

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?
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Theme >

Text v

Font size



Font

- Default font
- ✓ Old Style
- Modern
- Sans
- Humanist
- Readable (dys)
- Duospace
- Monospace

Display >

Spacing >

Dark Mode
(soon, User Interface too)



Accessible EPUB 3

Matt Garrish

Editor

Brian Sawyer

Editor

Dan Fauxsmith

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Pagination, Scrolling

two-page spread vs. single column

Thorium - Accessible EPUB 3

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obtain more information will be

Don't fall into the trap of hand-p accessibility.

It is also naturally the case with a



new and wide-ranging as EPUB 3

practices will evolve and develop

[more informations](#)



Display ▾

Disposition




Scrollable Paginated

Alignement

Left Justified

Column

Automatic 1 column 2 columns

Spacing >

EPUB Popup Footnotes

keyboard access, consistent styling



And I will show you something different from either
Your shadow at morning striding behind you
Or your shadow at evening rising to meet you;
I will show you fear in a handful of dust.

30

Frisch weht der Wind
Der Heimat zu
Mein Irisch Kind,
Wo weilest du?

"You gave me hyacinths first a year ago;
"They called me the hyacinth girl."
—Yet when we came back, late, from the Hyacinth garden,
Your arms full, and your hair wet, I could not
Speak, and my eyes failed, I was neither



Thorium - The Waste Land

← ⓘ ⋮ 🔖 aa 📖 🗨

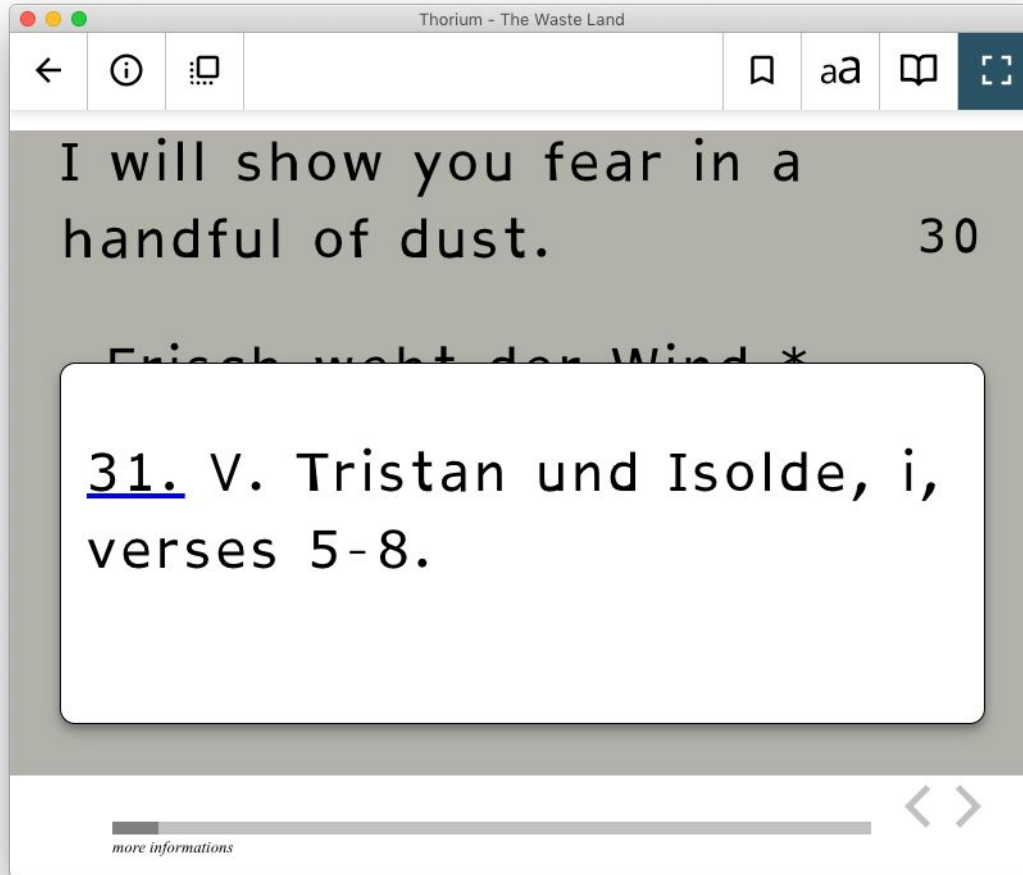
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Frisch weht der Wind *
Der Heimat zu
Mein Irisch Kind,
Wo weilest du?

"You gave me hyacinths the first a year ago"

[31.](#) V. Tristan und Isolde, i, verses 5-8.

more informations < >



aa



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handful of dust. 30

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31. V. Tristan und Isolde, i,
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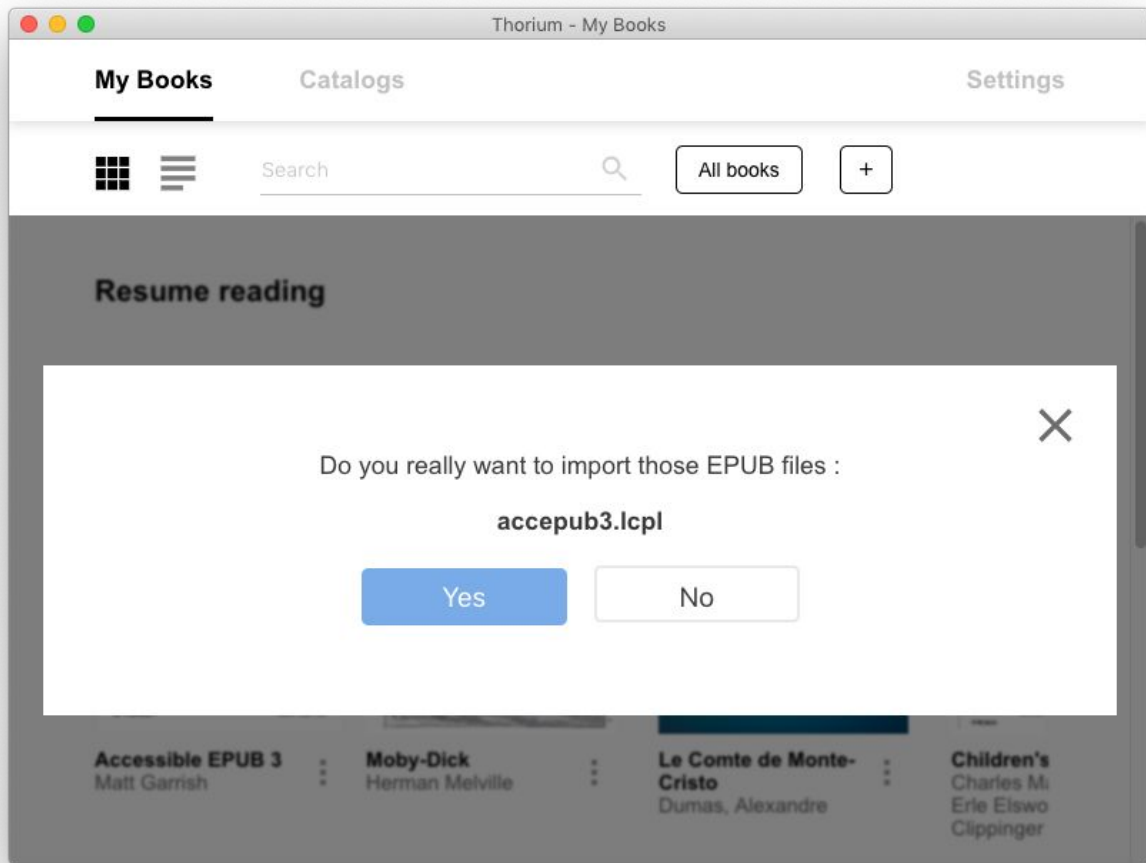


more informations



LCP (DRM)

**passphrase-protected publications
encrypted resources
books loans, time-constraints**



Search



All books

+

Resume reading

Do you really want to import those EPUB files :

accepub3.lcpl

Yes

No

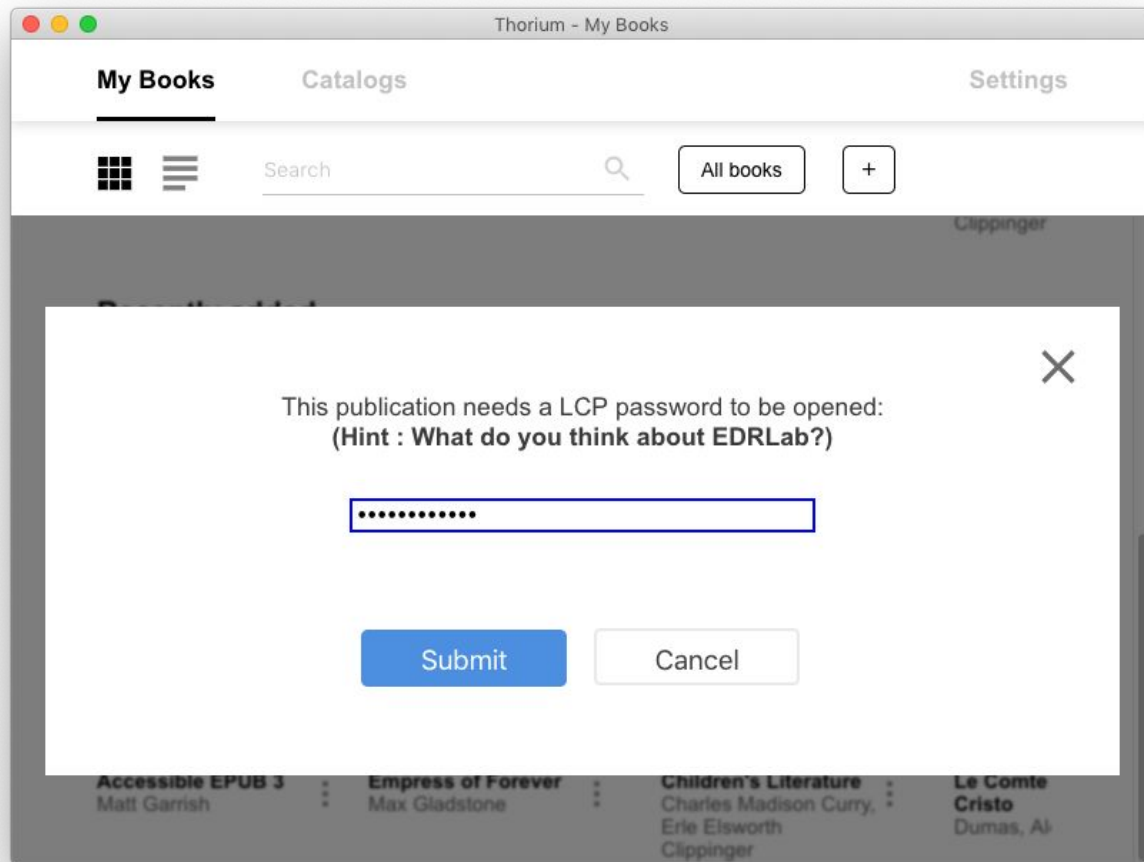


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Moby-Dick
Herman Melville

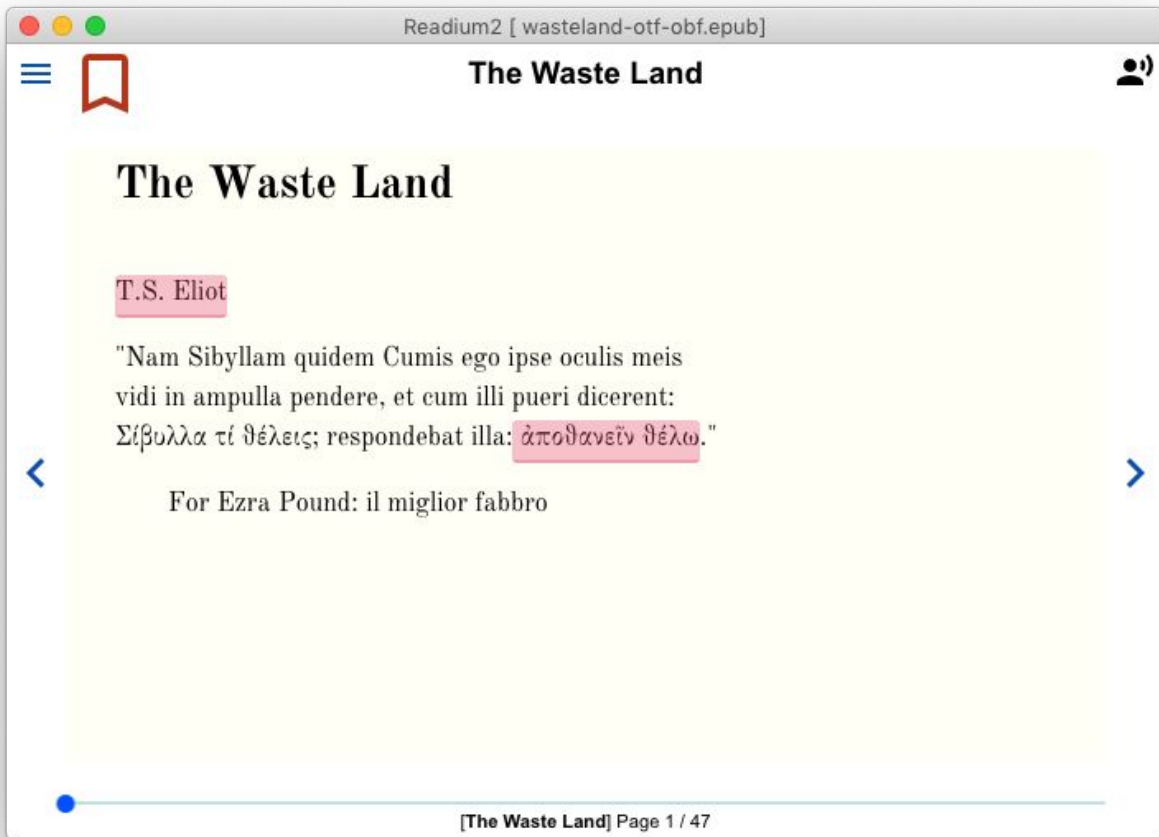
Le Comte de Monte-Cristo
Dumas, Alexandre

Children's
Charles M.
Erle Elswold
Clippinger



Selection Highlights / Annotations

(“test app” prototype, will come to Thorium)



The Waste Land

The Waste Land

T.S. Eliot

"Nam Sibyllam quidem Cumis ego ipse oculis meis
vidi in ampulla pendere, et cum illi pueri dicerent:
Σιβυλλα τί θέλεις; respondebat illa: ἀποθανεῖν θέλω."




For Ezra Pound: il miglior fabbro

Selection Highlights / Annotations

- **Fixed layout, reflow** (scrolled and paginated)
- **DOM-friendly transparent drawing**
- **Fast SVG / HTML rendering**
- **Mark styles** (underline, strike-through, etc.)
- **JSON serialization / interchange format**
- **Compatible with W3C Annotations**

Text To Speech (TTS) / Read Aloud
(“test app” prototype, will come to Thorium)

Readium2 [wasteland-otf-obf.epub]

☰  **The Waste Land**     

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T.S. Eliot

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pendere, et cum illi pueri dicerent

◀ ▶

[The Waste Land] Page 1 / 47

Text To Speech (TTS) Read-Aloud

- **Support for mixed languages**
- **Word-level highlighting / emphasis**
- **Linear timeline control (quick seek and play)**
- **Sentence detection**
 - breaks down long text into short utterances
 - pause/resume, previous/next navigation
- **Configurable text styling / formatting**

Readium2 [wasteland-otf-obf.epub]

The Waste Land

The Waste Land

"Nam Sibyllam quidem Cumis ego
ipse oculis meis vidi in ampulla
pendere, et cum illi pueri dicerent

[The Waste Land] Page 1 / 111

Learn More ...

- **GitHub**

- <https://github.com/readium/readium-desktop>
- **Note: will soon move from /readium to /edrlab**
- “readium desktop” is the SDK
- Thorium is an app based on the SDK

- **EDRLab**

- <https://edrlab.org>

