
imessage-exporter

This crate provides both a library to interact with iMessage data as well as a binary that can perform some useful read-only operations using that data.

Jul 17, 2022 5:04:04 PM Me

Subject: iMessage Data Exporter

Hey, did you see that new iMessage Rust project? You can export your message history to portable formats!

Reactions:

Questioned by +15558675309

Jul 17, 2022 5:04:05 PM Me

ReagentX/imessage-exporter

Export iMessage data + run iMessage Diagnostics

6

Contributors

2

Used by

23

Discussions

2k

Stars

64

Forks

GitHub

ReagentX/imessage-exporter: Export macOS iMessage data + run iMessage Diagnostics

Jul 17, 2022 5:04:50 PM You renamed the conversation to iMessage Exporter

Jul 17, 2022 5:31:49 PM (Read by you after 5 seconds) steve@icloud.com

No, does it support threads? I have a lot of important messages that I have been meaning to back up.

Jul 17, 2022 5:32:03 PM Me

Yep! It supports all iMessage features: stickers, reactions, expressives... you name it, you can export it!

Reactions:

from Me

Loved by +15558675309

Jul 17, 2022 5:35:03 PM (Read by you after 1 minute, 3 seconds) +15558675309

Even those pesky HEIC files? Nothing can display those!

Reactions:


Liked by Me

Jul 17, 2022 5:37:53 PM Me

Yes, even those! They get converted to JPEG.

Reactions:

Emphasized by steve@icloud.com



Jul 17, 2022 5:40:03 PM (Read by you after 3 minutes, 1 second) +15558675309

What about group chats? Sometimes the iMessage app shows multiple conversations with the same people.

Reactions:

Disliked by Me

Jul 17, 2022 5:44:25 PM Me

Yes, this tool will deduplicate both contacts and conversations to ensure messages go to the right place!

Reactions:

Liked by steve@icloud.com

Loved by +15558675309

Jul 17, 2022 5:45:03 PM +15558675309

That's amazin

Edited 9 seconds later That's amazing!

Jul 17, 2022 5:47:37 PM Me

Hang on guys, I have bad service right now. I hope you find this tool useful!

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Binary

The `imessage-exporter` binary exports iMessage data to `txt` or `html` formats. It can also run diagnostics to find problems with the iMessage database.

Installation instructions for the binary are located [here](#).

Library

The `imessage_database` library provides models that allow us to access iMessage information as native data structures.

Documentation for the library is located [here](#).

Supported Features

This crate supports every iMessage feature as of macOS 14.3.1 (23D60) and iOS 17.3.1 (21D61):

- Multi-part messages
- Replies/Threads
- Attachments
- Expressives
- Reactions
- Stickers
- Apple Pay
- URL Previews
- App Integrations
- Edited messages

See more detail about supported features [here](#).

Frequently Asked Questions

The FAQ document is located [here](#).

Special Thanks

- All of my friends, for putting up with me sending them random messages to test things
- SQLiteFlow, the SQL viewer I used to explore and reverse engineer the iMessage database

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- Xplist, an invaluable tool for reverse engineering the `payload_data` plist format
 - Compart, an amazing resource for looking up esoteric unicode details