

CURL Daniel Stenberg

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Release cycles





Benefits



Contribute



Security issues and layers



Further information

BEGINNINGS

Updated currency rates with HTTP GET

mid 90s

HISTORY

1998

URL GET -> cURL

Gopher and FTP support

LIBCURL AND PHP

More users, more bugs. TLS support

2000



PROTOCOLS AND APPLE

More protocols and Apple adoption







CLIENT-SIDE URL

Free, portable, threadsafe



SUPPORT FOR PROTOCOLS

FTP, HTTP, HTTPS, IMAP, SMPTP





SUPPORT FOR OTHER FEATURES

HTTP form-based upload, user-plus password authentication, etc.

HOW TO CONTRIBUTE?

GOT AN IDEA?

Use the mailing lists and share it!





ALREADY GOT SOME CODE?

Submit a pull request and discuss with the development team!

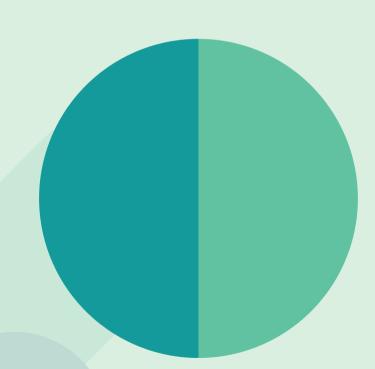


RELEASE CYCLE



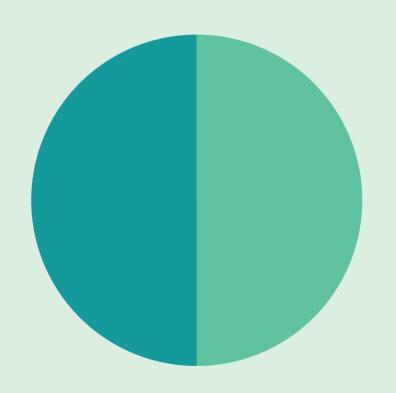
8 week cycles
Releases on Wednesdays
Open window on Mondays





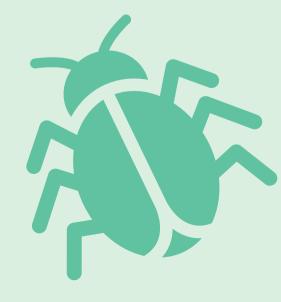
1ST HALF

- Open features.
- Changing entities



2ND HALF

Bug fixing



BENEFITS OF USING CURL

- Highly versatile
- Beneficial for evaluating endpoint functionality
- Provides detailed output for the data sent and received
- Strong error logging capabilities

SECURITY ISSUES AND LAYERS





KEEP TRACK OF SECURITY PROBLEMS

When it was inserted, fixed and how

C-RELATED PROBLEMS

HTTP functionality also implemented in Rust.



TOO MANY LAYERS, APPS AND LANGUAGES

A lot of time spent searching for errors.

FURTHER INFORMATION (I)

REASONS ON WHY CURL IS DEVELOPED IN C

- In the nineties there was no other choice to make a portable library or tool than C
- C has made it possible to really make cURL
 and Libcurl deportable available everywhere

FURTHER INFORMATION (II)

HTTP has been the protocol which has taken them the most time to implement

Apple included it in mac OS in 2001 becoming one of the first non-Linux OS that actually adopted cURL as a standard

It was confirmed to be used in the Mars helicopter mission in 2021

ANY QUESTIONS?

