

Debuginfod on Debian

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What is debuginfod?

- Relatively young (~2019) project started by Red Hat.
- It *“is a client/server [...] that automatically distributes ELF / DWARF / source-code from servers to clients such as debuggers across HTTP”*.
- The goal is to replace the need for .dbgsym files (but it can do more than that).

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- If found, the server will then transmit the information over HTTP(S) to the client.

How do I use it?

- GDB on testing / unstable / bullseye supports using debuginfod when searching for debuginfo.
- Unfortunately, it wasn't possible to include automatic support for our service on bullseye.
- But don't despair! This is all that the user will have to do:

```
export DEBUGINFOD_URLS="https://debuginfod.debian.net"
```

- Fasten your seat belts, please.

Future plans

- Make it an official Debian service (ongoing task with the DSA).
- Index and serve debuginfo from <https://snapshot.debian.org>.
- Find co-maintainers (current bus factor: 1).

More information

- <https://wiki.debian.org/Debuginfod>
- <https://sourceware.org/elfutils/Debuginfod.html>
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