

Debuginfod on Ubuntu

Sergio Durigan Junior
sergiodj@ubuntu.com

What is debuginfod?

- Started by Red Hat in 2019.
- 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 `.ddeb` 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 Jammy and Kinetic support using debuginfod to fetch debug information.
- From Kinetic onward, there is no need for manual intervention: the system will automatically use Ubuntu's debuginfod service.
- On Jammy, you can configure your system to use the service by doing:

```
export DEBUGINFOD_URLS="https://debuginfod.ubuntu.com"
```

- Fasten your seat belts, please.

Future plans

- Work on source code indexing (more demo!).
- Index debug information from other producers (snaps, special PPAs).
- Provide debuginfod-capable GDBs via `-backports` to previous supported Ubuntu releases.

More information

- <https://ubuntu.com/server/docs/service-debuginfod>
- <https://sourceware.org/elfutils/Debuginfod.html>
- sergiodj @ libera.chat
- sergiodj@ubuntu.com