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Open Source Software

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Open Source Project Analysis

**Part 1**

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| Analysis of [Sugar Labs](https://github.com/sugarlabs/sugar/) | | |
| Evaluation Factor | Level (0-2) | Evaluation Data |
| Licensing | 2 | GPL-3.0 License |
| Language | 2 | 99% Python |
| Level of Activity | 2 | Active in all months of the last year except 7/2020 and 8/2020 |
| Number of Contributors | 2 | There are 83 contributors |
| Product Size | 1 | There are 318,870 lines, which is definitely a large code base |
| Issue Tracker | 2 | There are some issues that are being discussed in the last few days |
| New Contributor | 2 | There are several instruction pages in the README, and other places in the repo that describe how to start developing |
| Community Norms | 1 | There are no clear guidelines for a developer code of conduct |
| User Base | 2 | There are 181 “stars” and 218 “forks”, suggesting there are users of the program outside of developers |
| Total Score | 16 | |

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| Analysis of [mtail](https://github.com/google/mtail) | | |
| Evaluation Factor | Level (0-2) | Evaluation Data |
| Licensing | 2 | Apache 2.0 |
| Language | 2 | 95.9% Go |
| Level of Activity | 2 | Active just about every month of the last year |
| Number of Contributors | 2 | There are 65 contributors |
| Product Size | 2 | There are 81,081 lines, which is a moderate-sized code base |
| Issue Tracker | 2 | There are some issues that are being discussed in the last few weeks |
| New Contributor | 1 | There is a CONTRIBUTING.md file, but not many instructions about what files to look at/setting up an environment/etc. |
| Community Norms | 2 | There is a clear CODE\_OF\_CONDUCT.md file in the repository |
| User Base | 2 | There are over 2.7k “stars” and 291 “forks”, suggesting there are users of the program outside of developers |
| Total Score | 17 | |

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| Analysis of [Perkeep](https://github.com/perkeep/perkeep/) | | |
| Evaluation Factor | Level (0-2) | Evaluation Data |
| Licensing | 2 | Apache 2.0 |
| Language | 2 | 57.2% Go and 36.2% JavaScript |
| Level of Activity | 1 | Not active (no commits) from 4/2020 to 6/2020 |
| Number of Contributors | 2 | There are 119 contributors |
| Product Size | 1 | There are 293,284 lines, which is definitely a large code base |
| Issue Tracker | 2 | There are some issues that are being discussed in the last few days |
| New Contributor | 2 | There are several instruction pages in the CONTRIBUTE.md, and other places in the repo that describe how to start developing |
| Community Norms | 2 | The repo makes you sign the Contributor License Agreement. |
| User Base | 2 | There are over 5.4k “stars” and 399 “forks”, suggesting there are users of the program outside of developers |
| Total Score | 16 | |

The Perkeep project is an open source tool for storing and backing up one’s content. It already is fairly well established with a large code base and multiple tagged released on GitHub (as recent as November 2020). The project seems very easy to deploy for one’s personal use, in addition to being a new developer. According to the **BUILDING.md** file, after installing Go, the only command to start the service is **go run make.go**. Similarly, there are explicit tasks and commands for how to start developing on the project, which encourages the further success of the project. Within the main project’s README.md and doc directory, there are several pages that lay out how to get the code running for both users and developers. I really appreciate this, as I have noticed when trying to work on certain projects in the past, or even using them as an end user, it can be complicated to get everything running. Sometimes, once the project is installed, I sometimes think, “Where do I go now? Where can I actually access the program now?” I believe this is a benefit to have a large code base and a strong contributor community.