

如何参与开源项目和社区

周明辉
北京大学

引子

- 基础了解

- 了解开源代码托管平台或教学平台: <https://github.com/osslab-pku/OSSDevelopment/>
- 了解开源项目的开发活动: 搜索感兴趣的技术或项目, 或任意搜索, 定位相关主页, 了解开发活动

- 进阶学习

- 寻找开源项目的进入机制和规范
- 寻找新人的SIG及相关会议、Hackathon
- 寻找简单任务
- 有效沟通

1、寻找开源项目的进入机制和规范

- 贡献指南（例如readme 和 contributing.md文件）
- issue提交指南
- patch提交指南

以openEuler和node.js为例



- openEuler是一个Linux操作系统(2019.9.18上线), 旨在通过开放的社区形式构建一个支持多处理架构的软件生态体系。许可证: MulanPSL2

- 基于openEuler的OS发行版:



- Node.js** 是一个能够在服务器端运行 JavaScript 的跨平台运行环境。许可证: MIT



源代码: <https://gitee.com/openeuler>

组织介绍

openEuler的愿景是: 通过社区合作, 打造创新平台, 构建支持多处理器架构、统一和开放的操作系统openEuler, 推动软硬件生态繁荣发展。

openEuler主要包括两个代码仓库:

- 代码仓: <https://gitee.com/openeuler>
- 软件包仓: <https://gitee.com/src-openeuler>

openEuler主要用于存放源码类项目。

src-openeuler主要用于存放制作发布件所需的软件包。

如何加入

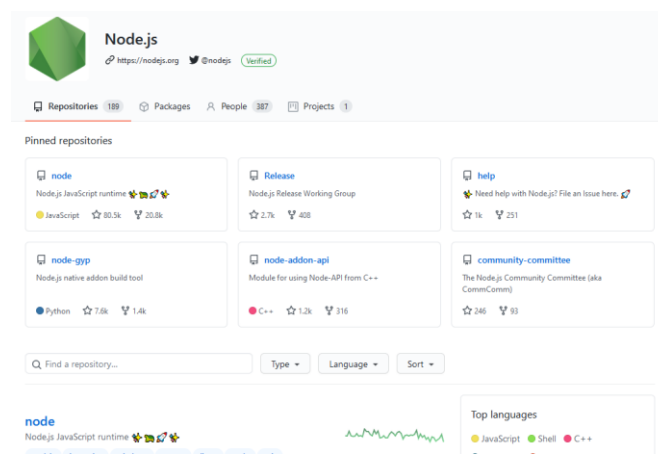
加入方式参见: <https://www.openeuler.org/zh/community/contribution>

联系

网站: <https://openeuler.org>

邮箱: contact@openeuler.io

源代码: <https://github.com/nodejs>

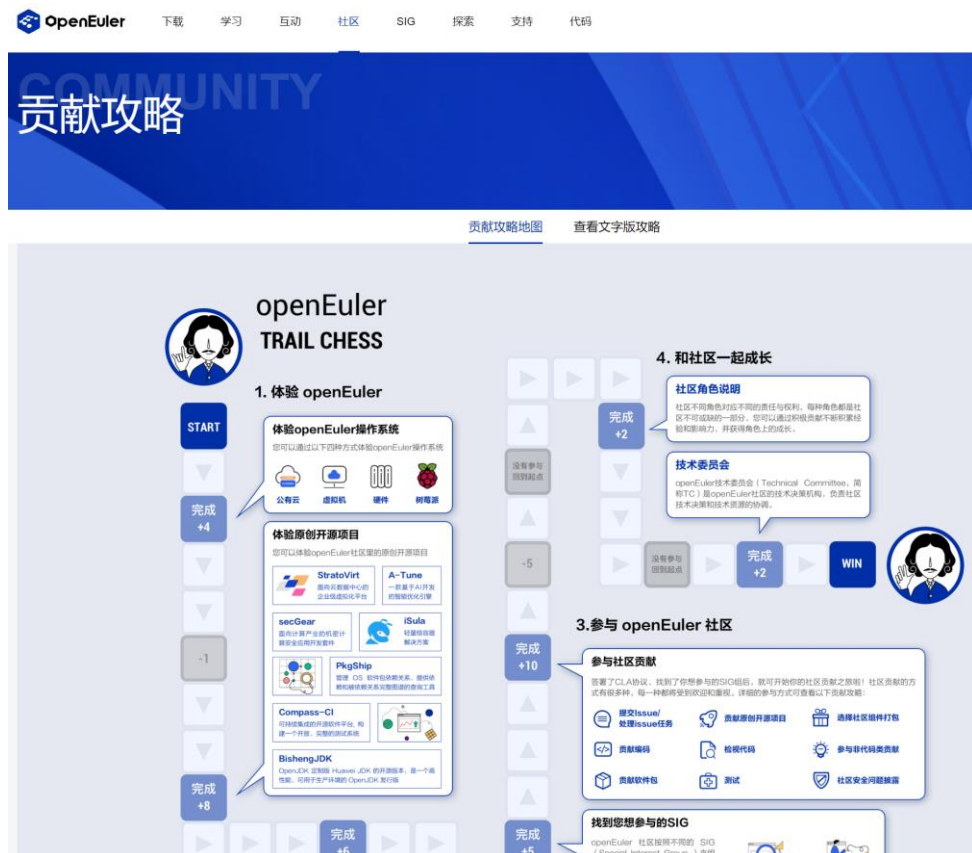


贡献指南



贡献攻略

<https://www.openeuler.org/zh/community/contribution/>



Contributing to Node.js

- [Code of Conduct](#)
- [Issues](#)
- [Pull Requests](#)
- [Developer's Certificate of Origin 1.1](#)

Code of Conduct

The Node.js project has a [Code of Conduct](#) to which all contributors must adhere.

See [details on our policy on Code of Conduct](#).

Issues

- [How to Contribute in Issues](#)
- [Asking for General Help](#)
- [Discussing non-technical topics](#)
- [Submitting a Bug Report](#)
- [Triaging a Bug Report](#)
- [Resolving a Bug Report](#)

Pull Requests

- [Dependencies](#)
- [Setting up your local environment](#)
- [The Process of Making Changes](#)
- [Reviewing Pull Requests](#)
- [Notes](#)

Developer's Certificate of Origin 1.1

提交issue

openEuler

开源项目 > 服务器应用 > 系统性能优化

GVP openEuler / A-Tune

</> 代码 Issues 4 Pull Requests 1 Wiki 0 统计

新建 Issue

任务 标题

B I H </> ?

</> 代码 Issues 35 Pull Requests 8 Wiki

新建 Issue

任务 标题

B I H </> ?

<!-- #请根据issue的类型在标题右侧下拉框中选择对应的选项（需求、缺陷或CVE等）-->
<!-- #请根据issue相关的版本在里程碑中选择对应的节点，若是与版本无关，请选择“不关联里程碑”-->

附件

☐ 这个 Issue 涉及到安全/隐私问题，提交后不

创建 创建并继续

创建 创建并继续

Node.js社区

Bug report Create a report to help us improve [Get started](#)

Feature request Suggest an idea for this project [Get started](#)

Open an issue regarding the Node.js API reference docs Let us know about any problematic API reference documents [Get started](#)

Report a flaky test Report a flaky test in our CI [Get started](#)

Report a security vulnerability Please review our security policy for more details [View policy](#)

!? Need help with Node.js? Please file an issue in our help repo. [Open](#)

Found a problem with nodejs.org beyond the API reference docs? Please file an issue in the Node.js website repo. [Open](#)

Issue: 🐛 Bug report

Create a report to help us improve. If this doesn't look right, [choose a different type](#).

Title

Write Preview H B I </>

<!--
Thank you for reporting an issue.

This issue tracker is for bugs and issues found within Node.js core.
If you require more general support please file an issue on our help repo. <https://github.com/nodejs/help>

Please fill in as much of the template below as you're able.

Version: output of `node -v`
Platform: output of `uname -a` (UNIX), or version and 32 or 64-bit (Windows)
Subsystem: if known, please specify affected core module name
-->

****Version**:**
-->

提交PR

openEuler

提交信息 

update code-of-conduct.md.

扩展信息

此处可填写为什么修改，做了什么样的修改，以及开发的思路等更加详细的提交信息。（相当于 Git Commit message 的 Body）

提交审核

取消

点击提交审核后，你将创建一个轻量级PR（[详情](#)），作者审核通过后合入仓库。

Linux kernel指南

5.4. Patch formatting and changelogs

So now you have a perfect series of patches for posting, but the work is not done quite yet. Each patch needs to be formatted into a message which quickly and clearly communicates its purpose to the rest of the world. To that end, each patch will be composed of the following:

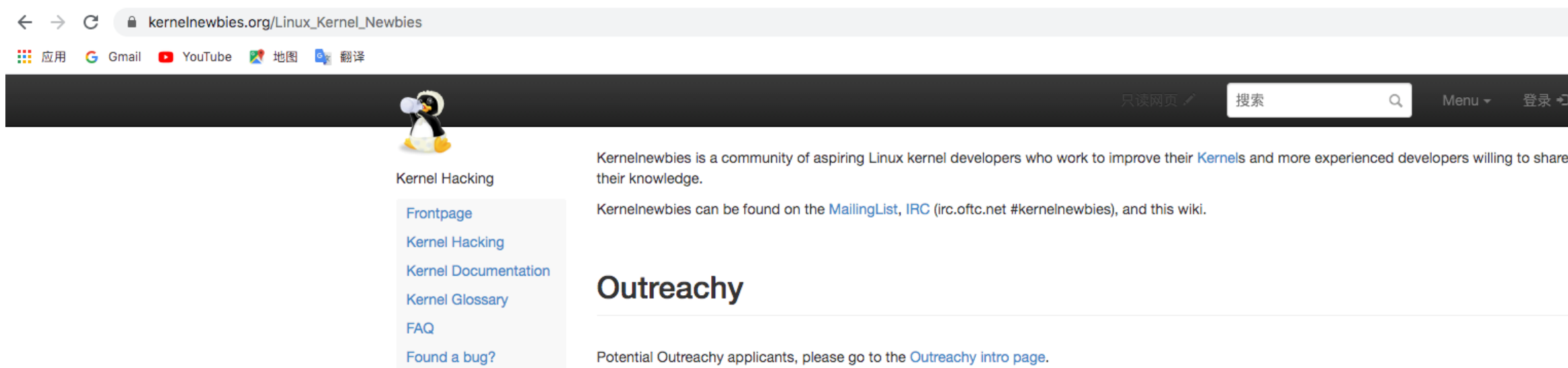
- An optional “From” line naming the author of the patch. This line is only necessary if you are passing on somebody else’s patch via email, but it never hurts to add it when in doubt.
- A one-line description of what the patch does. This message should be enough for a reader who sees it with no other context to figure out the scope of the patch; it is the line that will show up in the “short form” changelogs. This message is usually formatted with the relevant subsystem name first, followed by the purpose of the patch. For example:

```
gpio: fix build on CONFIG_GPIO_SYSFS=n
```

2, 寻找新人的SIG及其会议、Hackathon

- 特定于新人的SIG

- 例如: https://kernelnewbies.org/Linux_Kernel_Newbies
- 包含一些新人经常问的问题、适合新人的issue、推荐的mentor等



例如openEuler的社区活动

- 例如openEuler的系列讲座、SIG会议、hackathon
 - 2020-07-07 [【手把手带你玩转openEuler】系列直播进行中](#)
 - 2020-05-07 [开源软件供应链点亮计划 - 暑期2020 openEuler 社区任务发布](#)

3, 寻找简单任务

- 在项目中寻找新手任务标签：例如GitHub中的Good First Issue等标签





Node.js社区

Contribute to nodejs/node

Make your first contribution to this repository by tackling one of the issues listed below.

Each issue displayed here is a "good first issue," selected for its relative approachability for first-time contributors.


[Read the contributing guidelines](#)
node / CONTRIBUTING.md

Good first issues		
 How to unref readline? doc good first issue readline		5
#36154 opened 8 days ago by szmarczak		
 createReadStream/createWithStream doesn't validate fd arg is valid fs good first issue		4
#35178 opened on 14 Sep by ronag		
 document http.OutgoingMessage doc good first issue		22
#33847 opened on 12 Jun by rexagod		
 A possible TODO list for new (or current) contributors crypto good first issue		3
#33715 opened on 4 Jun by sam-github		

 Manishearth added E-easy E-mentor labels on 20 Nov 2015



Manishearth commented on 20 Nov 2015



Member  ...

Willing to mentor this.

Relevant code: https://github.com/rust-lang/rust/blob/master/src/librustc_typeck/check/callee.rs#L231

You need to find the defid of the call expression (use `def_map` in `fcx.tcx()`), and do something similar as done [here](#) to point out where something was imported or defined. It might be useful to refactor that out in a `note_did_import` utility function that takes two strings and a def id or something and reports on the import or definition, whichever is local.

openEuler的help-wanted标签

 openEuler 

关注 1.2K

概览

仓库 102

任务 717

Pull Requests 121

动态

成员 106

已完成

标签: help-wanted

搜索 Issue

搜索

重置过滤条件

所有

开启的 1

进行中 1

已完成 18

已拒绝 0

创建者

负责人

标签

项目

里程碑

排序

openEuler / community

Need a very clear guide to tell developer how to add package in CI system

严重

help-wanted

kind/bug

8月前

#11DN3P by myeuler 12

指派给: solarhu

We need more detail for README

主要

help-wanted

9月前

#11BIJU by Yang.Li 1

【求助! 紧急】如何发布openEuler版本

主要

question

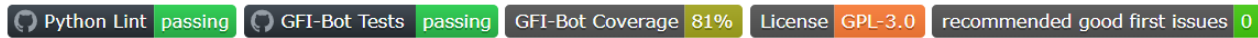
help-wanted

1年前

#115P6I by TommyLike 21

指派给: freesky-edward

GFI-Bot



ML-powered 🤖 for finding and labeling good first issues in your GitHub project!

A GFI-Bot introduction paper is available as follows (in [ESEC/FSE 2022 Demonstration Track](#)):

- Hao He, Haonan Su, Wenxin Xiao, Runzhi He, and Minghui Zhou. 2022. GFI-Bot: Automated Good First Issue Recommendation on GitHub. In Proceedings of the 2022 ACM 30th Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, ESEC/FSE 2022, Singapore, November 14-16, 2022. ACM. <https://hehao98.github.io/files/2022-gfibot.pdf>

The underlying ML approach is introduced in the following paper:

- Wenxin Xiao, Hao He, Weiwei Xu, Xin Tan, Jinhao Dong, and Minghui Zhou. 2022. Recommending Good First Issues in GitHub OSS Projects. In Proceedings of the 44th International Conference on Software Engineering, ICSE 2022, Pittsburgh, PA, USA, May 21–29, 2022. ACM. <https://hehao98.github.io/files/2022-recgfi.pdf>

We provide a good first issue recommendation dataset at [Zenodo](#).

Get Started

GFI-Bot is available at <https://gfibot.io>, where you can browse through existing good first issue recommendations or register your own repository for recommendation. GFI-Bot can be installed in GitHub repositories from [the GitHub App page](#).

NOTE: GFI-Bot is currently in pre-alpha stage. It is undergoing rapid development and still highly unstable. We cannot guarantee the preservation of registered users and repositories in the next release and it may have unexpected behaviors on GitHub. We will change this note after GFI-Bot reaches a certain level of maturity

Roadmap

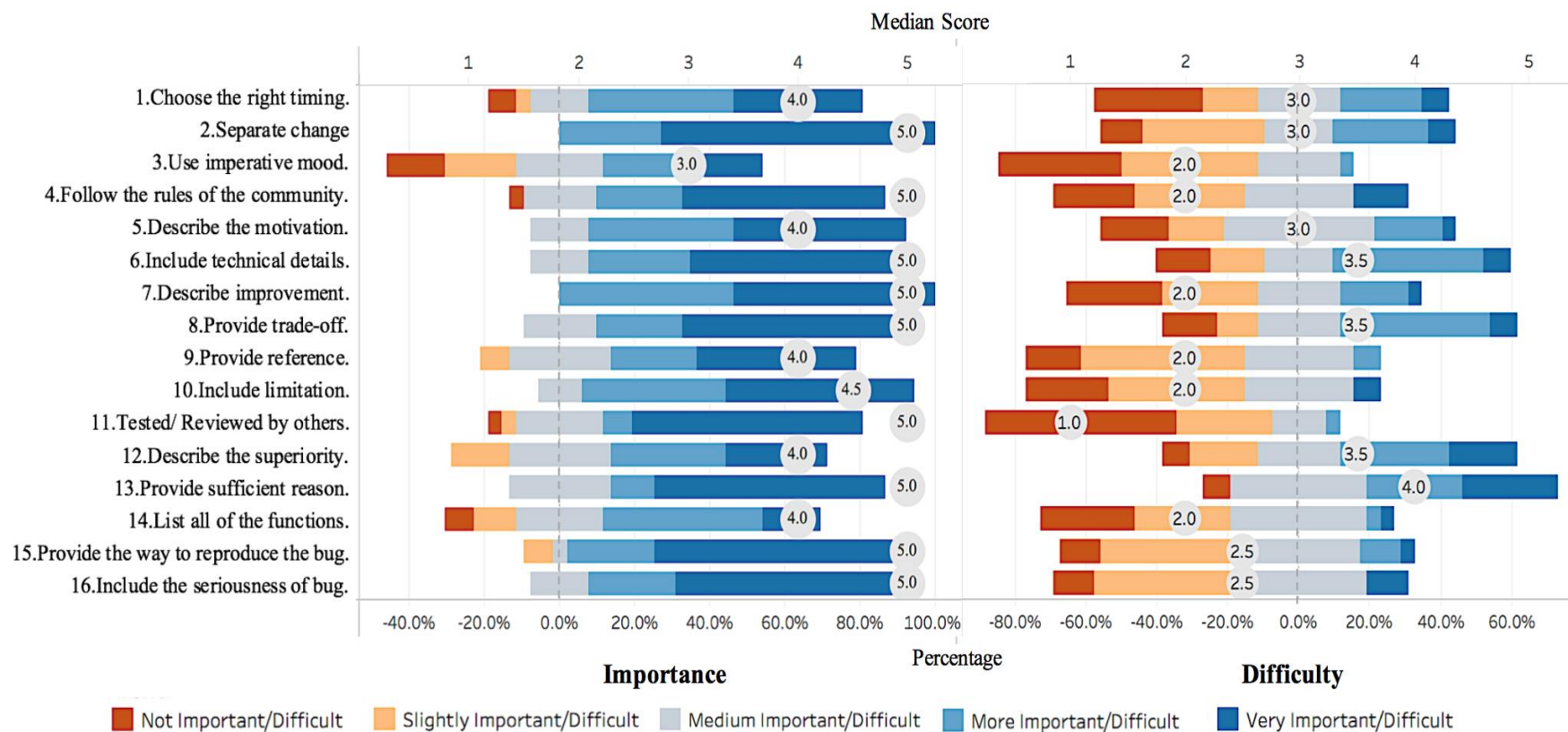
We describe our envisioned use cases for GFI-Bot in this [documentation](#).

Currently, we are focusing on the following tasks:

1. Identifying an optimal training strategy
 2. Improving user experience
- <https://github.com/osslab-pku/gfi-bot/blob/main/README.md>

4、开源社区中text是唯一的沟通方式：请有效沟通

- Linux kernel: – what to say, how to say it



最优沟通实践评估

小结

- 了解开源代码托管平台,
- 广泛搜索开源项目
- 定位特定项目, 寻找进入机制
- 积极贡献, 从easy task开始