携手G11N SIG，搭建社区沟通桥梁

张维瑜，G11N SIG Maintainer

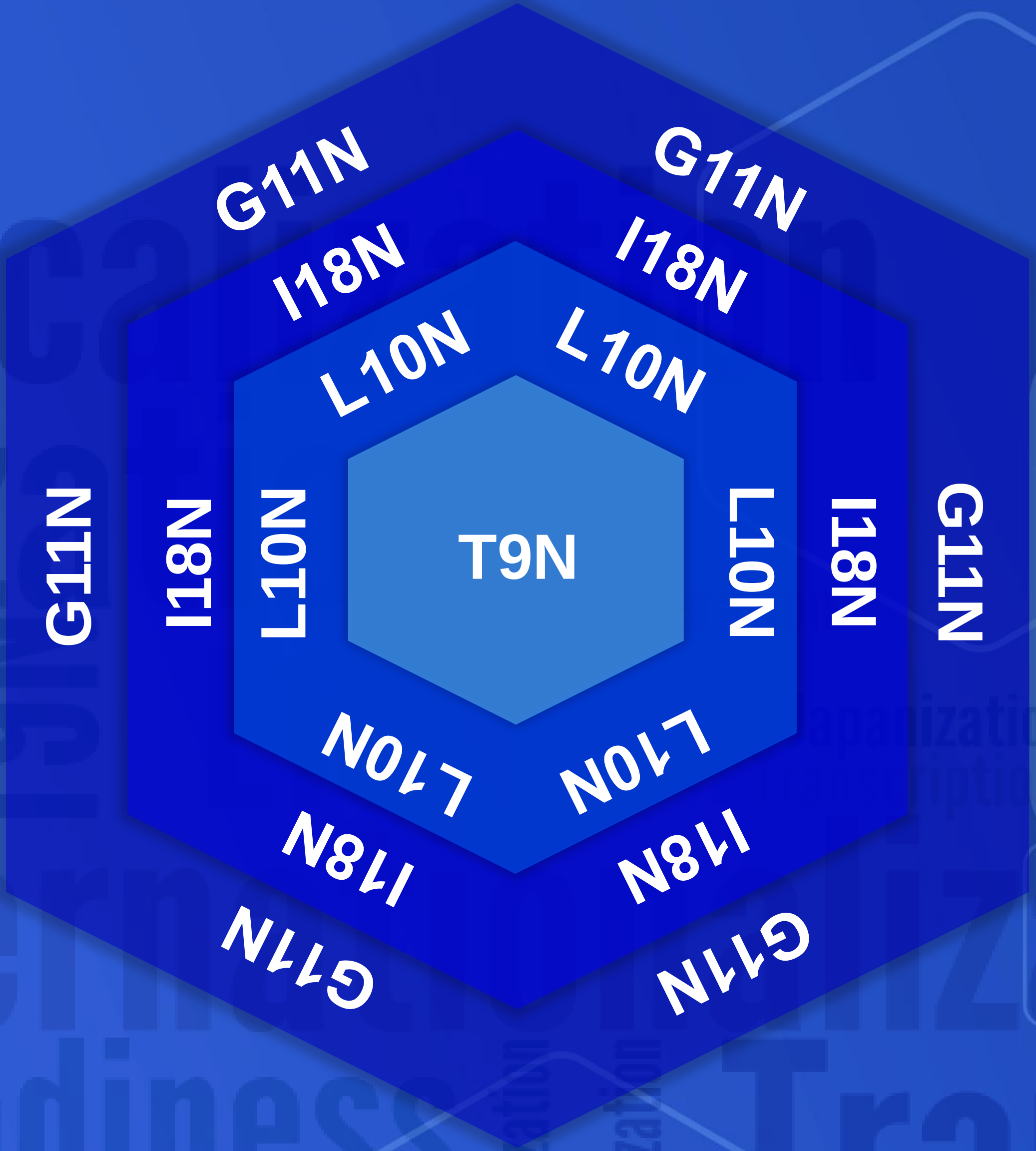
2024-03-23 Meetup@Chengdu

开放原子开源基金会 OPENATOM FOUNDATION | openEuler | 开放原子校源行 MEETUP 聚缘于校 开源共行

What's G11N

G11N=Globalization

L10N=Localization



I18N=Internationalization

T9N=Translation

G11N SIG 愿景：跨越语言和文化障碍，共建openEuler社区

G11N SIG Maintainers

@judithsq

✓ 全球化工具平台

@zwyopen2021

✓ GUI/CLI界面国际化

@liupengroc

✓ 网站内容本地化

@yanhuiling

✓ 开发者文档翻译规范

@lshelen

✓ 运营和UX内容创译

@hcy1012

✓ 软件全球化测试

服务全景

L3 生态	开源基金会	开源社区	生态伙伴	开发者

L2 服务			
Promoter	贡献者布道	开发者教程制作	博客写作
	TechDay组织和策划	G11N meetup组织	教材翻译
	传播内容创作	行业活动参与	论文解读
Maintainer	全球化规范撰写和评审	G11N SIG组运营	开源实习任务发布
	软件全球化测评	开源演练参与	翻译平台搭建
	开发者参会E2E协同	全球化知识赋能	G11N软件仓维护
Contributor	网站/文档/README翻译	论坛自动翻译	网站/IDE体验提升
	代码注释翻译	Mailing list自动翻译	博客翻译
	支持中心翻译	PR/Issue自动翻译	认证/微认证翻译

L1 能力	翻译（含机器翻译）	Copywriting	沟通/表达	运营

L0 知识底座	语言和文化知识	技术知识	开源知识

图例：已具备 已规划

开放原子开源基金会 OPENATOM FOUNDATION | openEuler

1 文档翻译

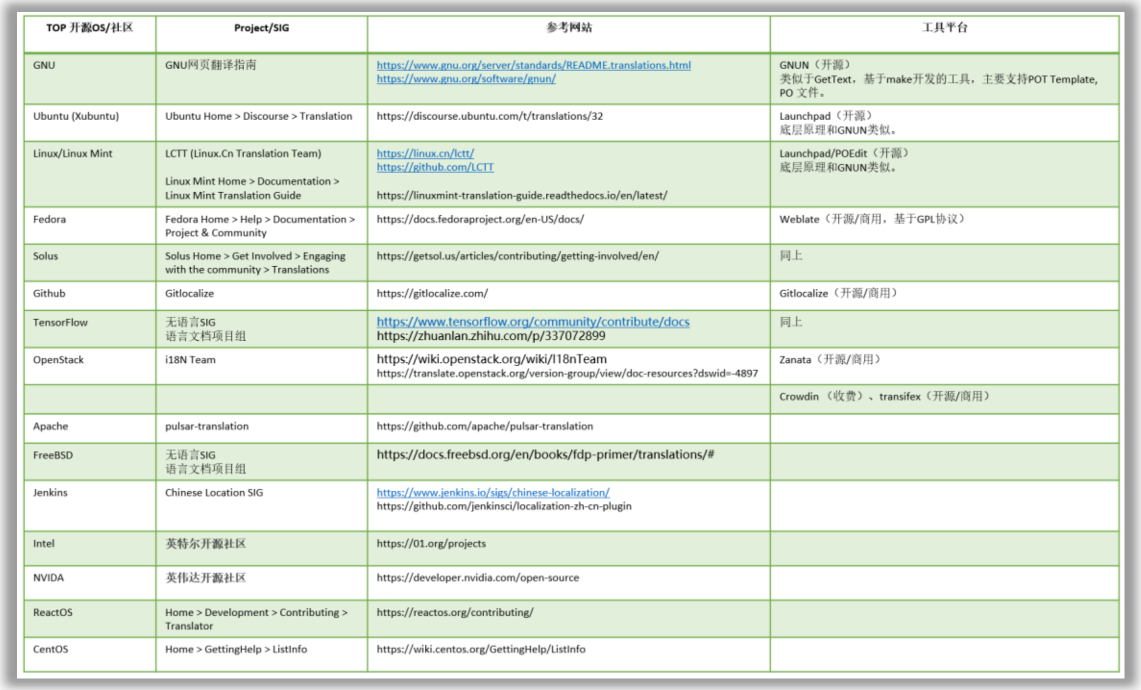
2 README写作

3 博客传播

4 课程赋能

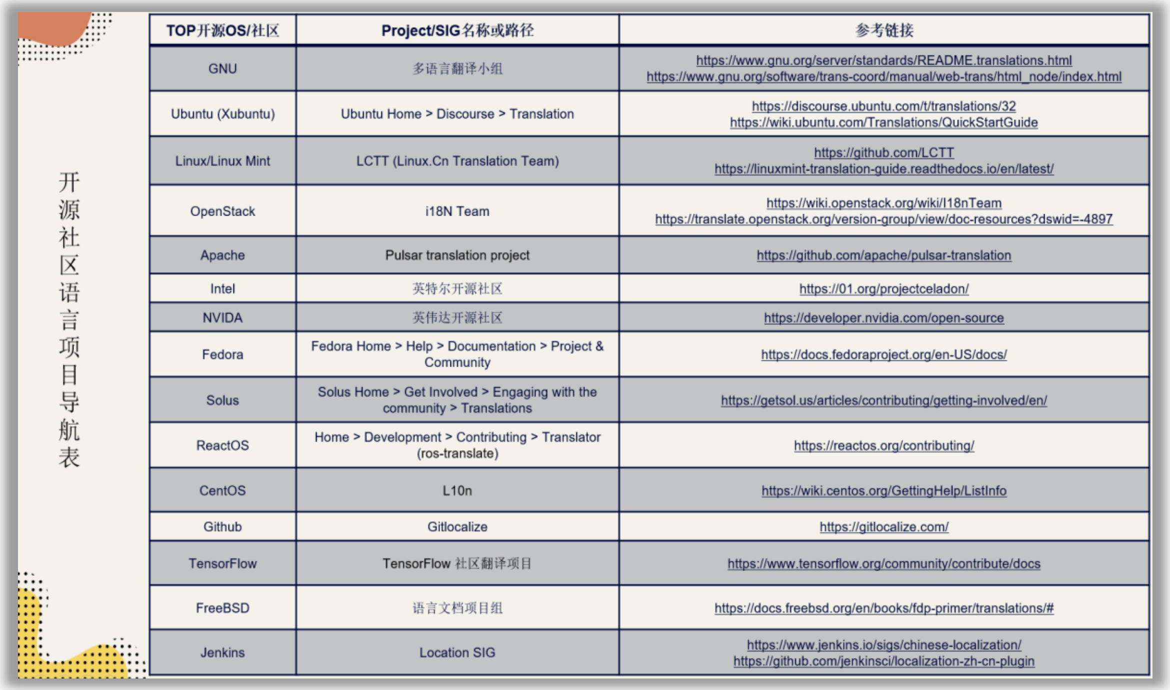
开放原子开源基金会 OPENATOM FOUNDATION | openEuler

文档翻译 – 洞察



TOP 开源OS/社区	Project/SIG	参考网站	工具平台
GNU	GNU网页翻译指南	https://www.gnu.org/server/standards/README.translations.html https://www.gnu.org/software/gnun/	GNUN（开源） 类似于GetText，基于make开发的工具，主要支持POT Template, PO 文件。
Ubuntu (Xubuntu)	Ubuntu Home > Discourse > Translation	https://discourse.ubuntu.com/t/translations/32	Launchpad（开源） 底层原理和GNUN类似。
Linux/Linux Mint	LCTT (Linux.Cn Translation Team) Linux Mint Home > Documentation > Linux Mint Translation Guide	https://linux.cn/lctt/ https://github.com/LCTT https://linuxmint-translation-guide.readthedocs.io/en/latest/	Launchpad/POEdit（开源） 底层原理和GNUN类似。
Fedora	Fedora Home > Help > Documentation > Project & Community	https://docs.fedoraproject.org/en-US/docs/	Weblate（开源/商用，基于GPL协议）
Solus	Solus Home > Get Involved > Engaging with the community > Translations	https://getsol.us/articles/contributing/getting-involved/en/	同上
Github	Gitlocalize	https://gitlocalize.com/	Gitlocalize（开源/商用）
TensorFlow	无语言SIG 语言文档项目组	https://www.tensorflow.org/community/contribute/docs https://zhuanlan.zhihu.com/p/337072899	同上
OpenStack	i18N Team	https://wiki.openstack.org/wiki/I18nTeam https://translate.openstack.org/version-group/view/doc-resources?dswid=-4897	Zanata（开源/商用）
			Crowdin （收费）、transifex（开源/商用）
Apache	pulsar-translation	https://github.com/apache/pulsar-translation	
FreeBSD	无语言SIG 语言文档项目组	https://docs.freebsd.org/en/books/fdp-primer/translations/#	
Jenkins	Chinese Location SIG	https://www.jenkins.io/sigs/chinese-localization/ https://github.com/jenkinsci/localization-zh-cn-plugin	
Intel	英特尔开源社区	https://01.org/projects	
NVIDA	英伟达开源社区	https://developer.nvidia.com/open-source	
ReactOS	Home > Development > Contributing > Translator	https://reactos.org/contributing/	
CentOS	Home > GettingHelp > ListInfo	https://wiki.centos.org/GettingHelp/ListInfo	

Top 开源社区本地化平台工具分析



开源社区语言项目导航表

TOP开源OS/社区	Project/SIG名称或路径	参考链接
GNU	多语言翻译小组	https://www.gnu.org/server/standards/README.translations.html https://www.gnu.org/software/trans-coord/manual/web-trans/html_node/index.html
Ubuntu (Xubuntu)	Ubuntu Home > Discourse > Translation	https://discourse.ubuntu.com/t/translations/32 https://wiki.ubuntu.com/Translations/QuickStartGuide
Linux/Linux Mint	LCTT (Linux.Cn Translation Team)	https://github.com/LCTT https://linuxmint-translation-guide.readthedocs.io/en/latest/
OpenStack	i18N Team	https://wiki.openstack.org/wiki/I18nTeam https://translate.openstack.org/version-group/view/doc-resources?dswid=-4897
Apache	Pulsar translation project	https://github.com/apache/pulsar-translation
Intel	英特尔开源社区	https://01.org/projectceladon/
NVIDA	英伟达开源社区	https://developer.nvidia.com/open-source
Fedora	Fedora Home > Help > Documentation > Project & Community	https://docs.fedoraproject.org/en-US/docs/
Solus	Solus Home > Get Involved > Engaging with the community > Translations	https://getsol.us/articles/contributing/getting-involved/en/
ReactOS	Home > Development > Contributing > Translator (ros-translate)	https://reactos.org/contributing/
CentOS	L10n	https://wiki.centos.org/GettingHelp/ListInfo
Github	Gitlocalize	https://gitlocalize.com/
TensorFlow	TensorFlow 社区翻译项目	https://www.tensorflow.org/community/contribute/docs
FreeBSD	语言文档项目组	https://docs.freebsd.org/en/books/fdp-primer/translations/#
Jenkins	Location SIG	https://www.jenkins.io/sigs/chinese-localization/ https://github.com/jenkinsci/localization-zh-cn-plugin

Top 开源社区语言项目指导类文档分析

文档翻译 – 实践

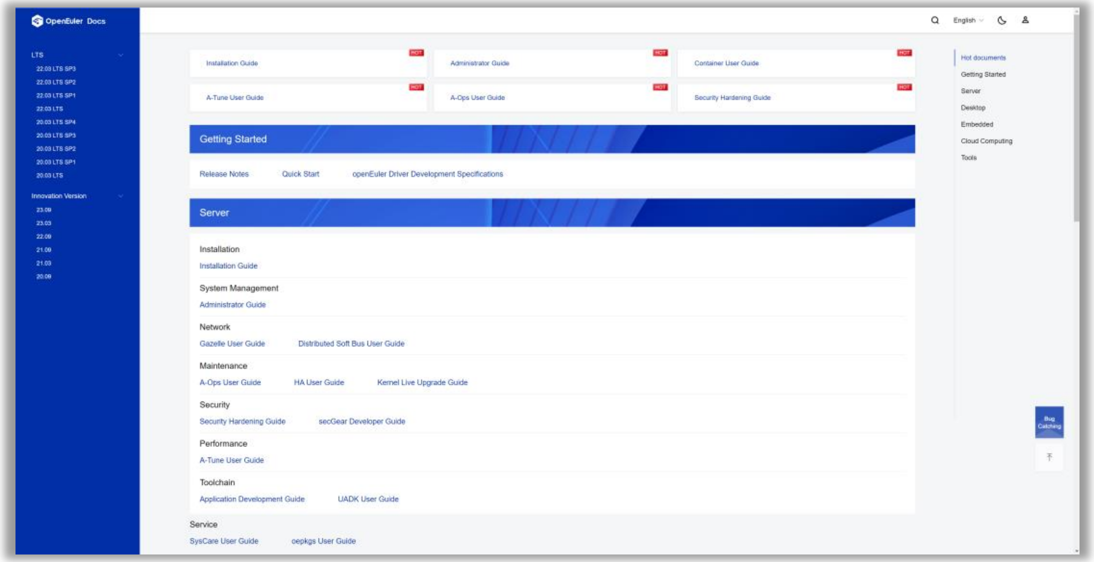
重要性

助开发者入门 检视代码逻辑

提升开发效率 繁荣开源生态

要求

书写规范 质量上乘 及时更新



OpenEuler Docs

English

LTS
- 22.03 LTS SP3
- 22.03 LTS SP2
- 22.03 LTS SP1
- 22.03 LTS
- 20.03 LTS SP4
- 20.03 LTS SP3
- 20.03 LTS SP2
- 20.03 LTS SP1
- 20.03 LTS

Innovation Version
- 23.09
- 23.03
- 22.09
- 21.09
- 21.03
- 20.09

Installation Guide HOT | Administrator Guide HOT | Container User Guide HOT

A-Tune User Guide HOT | A-Ops User Guide HOT | Security Hardening Guide HOT

Getting Started

Release Notes Quick Start openEuler Driver Development Specifications

Server

Installation
Installation Guide

System Management
Administrator Guide

Network
Gazelle User Guide Distributed Soft Bus User Guide

Maintenance
A-Ops User Guide HA User Guide Kernel Live Upgrade Guide

Security
Security Hardening Guide secGear Developer Guide

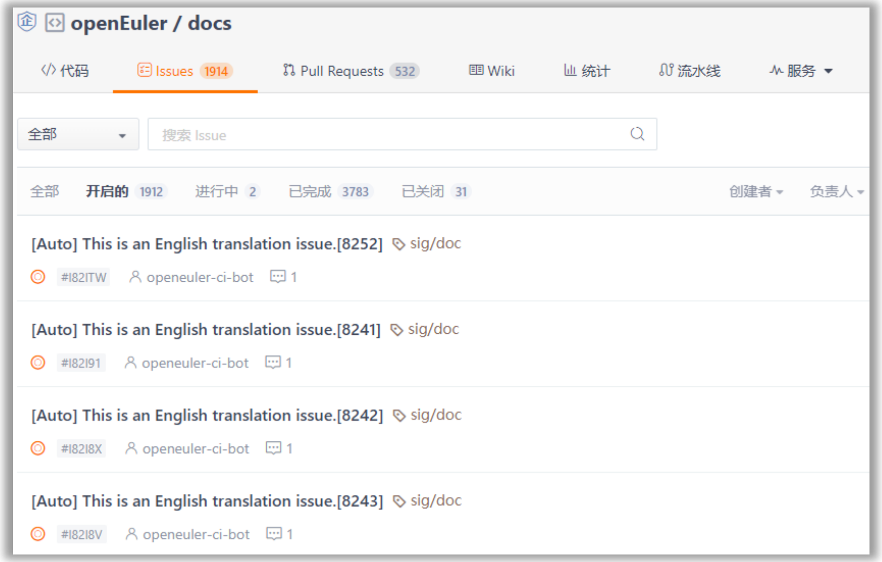
Performance
A-Tune User Guide

Toolchain
Application Development Guide UADK User Guide

Service
SysCare User Guide oepkgs User Guide

Hot documents
Getting Started
Server
Desktop
Embedded
Cloud Computing
Tools

Bug Catching



openEuler / docs

代码 | Issues 1914 | Pull Requests 532 | Wiki | 统计 | 流水线 | 服务

全部 搜索 Issue

全部 开启的 1912 进行中 2 已完成 3783 已关闭 31 创建者 负责人

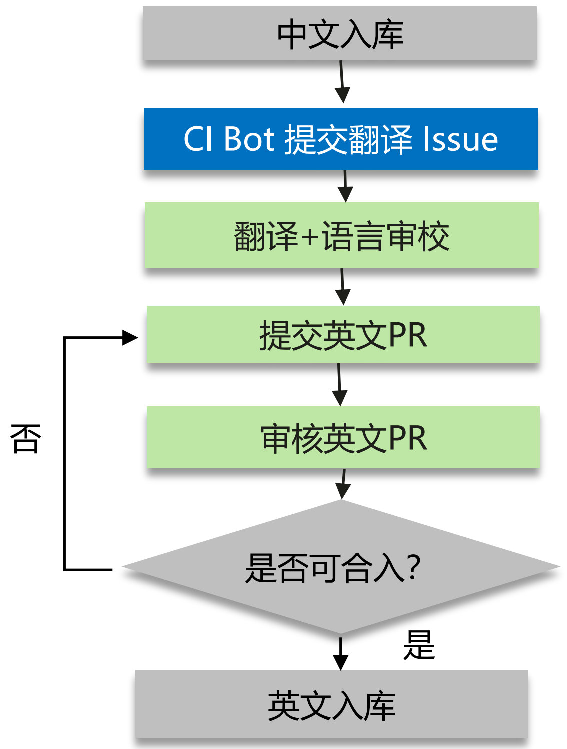
[Auto] This is an English translation issue.[8252] sig/doc
#I82ITW openeuler-ci-bot 1

[Auto] This is an English translation issue.[8241] sig/doc
#I82I91 openeuler-ci-bot 1

[Auto] This is an English translation issue.[8242] sig/doc
#I82I8X openeuler-ci-bot 1

[Auto] This is an English translation issue.[8243] sig/doc
#I82I8V openeuler-ci-bot 1

文档翻译 – 标准



- ✓ 不依赖人提交
- ✓ 0漏提翻译
- ✓ 英文内容E2E管控

规范的流程

Doc. Code

开源社区内容写作与翻译指导

Issue 01

Date 2021-07-30

HUAWEI TECHNOLOGIES CO., LTD.

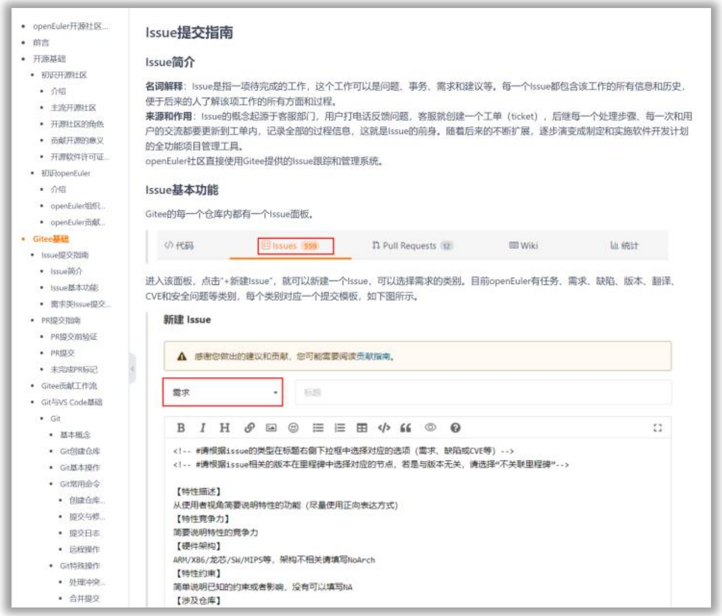
HUAWEI

目录

有效的指导

文档翻译 – 贡献

- 方式一：直接贡献openEuler docs仓：普通PR & 轻量级PR



Issue提交指南

Issue简介

名词解释：Issue是指一项待完成的工作，这个工作可以是问题、事务、需求和建议等。每一个Issue都包含该工作的所有信息和历史，便于后来的人了解该项工作的所有方面和过程。

来源和作用：Issue的概念起源于客服部门，用户打电话反馈问题，客服就创建一个工单（ticket），后继每一个处理步骤、每一次和用户的交流都要更新到工单内，记录全部的过程信息，这就是Issue的前身。随着后来的不断扩展，逐步演变成制定和实施软件开发计划的全功能项目管理工具。

openEuler社区直接使用Gitee提供的Issue跟踪和管理系统。

Issue基本功能

Gitee的每一个仓库内都有一个Issue面板。

进入该面板，点击"+新建Issue"，就可以新建一个Issue，可以选择需求的类别。目前openEuler有任务、需求、缺陷、版本、翻译、CVE和安全问题等类别，每个类别对应一个提交模板，如下图所示。

新建 Issue

感谢您做出的建议和贡献，您可能需要阅读贡献指南。

需求

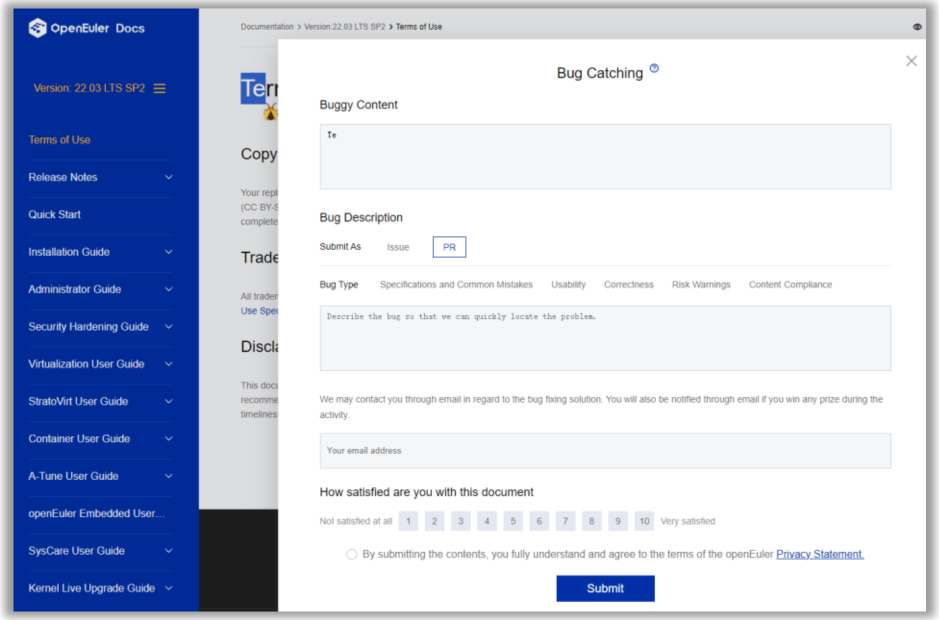
标题

```
<!-- #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"-->

【特性描述】
从使用者视角简要说明特性的功能（尽量使用正向表达方式）
【特性竞争力】
简要说明特性的竞争力
【硬件架构】
ARM/X86/龙芯/SW/MIPS等，架构不相关请填写NoArch
【特性约束】
简单说明已知的约束或者影响，没有可以填写NA
【涉及仓库】
```

《openEuler开源社区全球化贡献指南》

- 方式二：使用openEuler官网文档伴读功能



Bug Catching

Buggy Content

Te

Bug Description

Submit As Issue PR

Bug Type Specifications and Common Mistakes Usability Correctness Risk Warnings Content Compliance

Describe the bug so that we can quickly locate the problem.

We may contact you through email in regard to the bug fixing solution. You will also be notified through email if you win any prize during the activity.

Your email address

How satisfied are you with this document

Not satisfied at all 1 2 3 4 5 6 7 8 9 10 Very satisfied

○ By submitting the contents, you fully understand and agree to the terms of the openEuler Privacy Statement.

Submit

官网"文档"页面

1

文档翻译

2

README写作

3

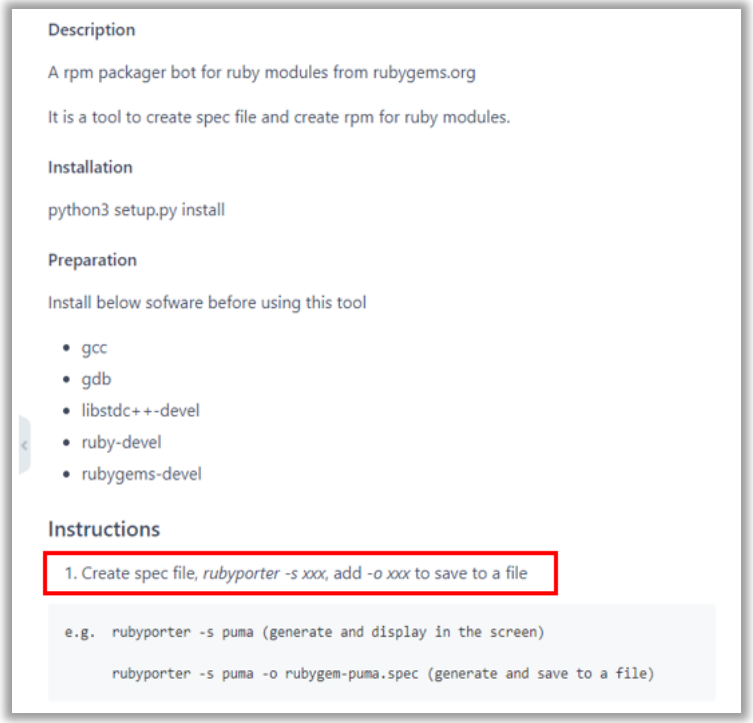
博客传播

4

课程赋能

README写作 – 优化项目

优化了162个软件仓库的README文件（修改83个，新增79个）：



Description

A rpm packager bot for ruby modules from rubygems.org

It is a tool to create spec file and create rpm for ruby modules.

Installation

python3 setup.py install

Preparation

Install below sofware before using this tool

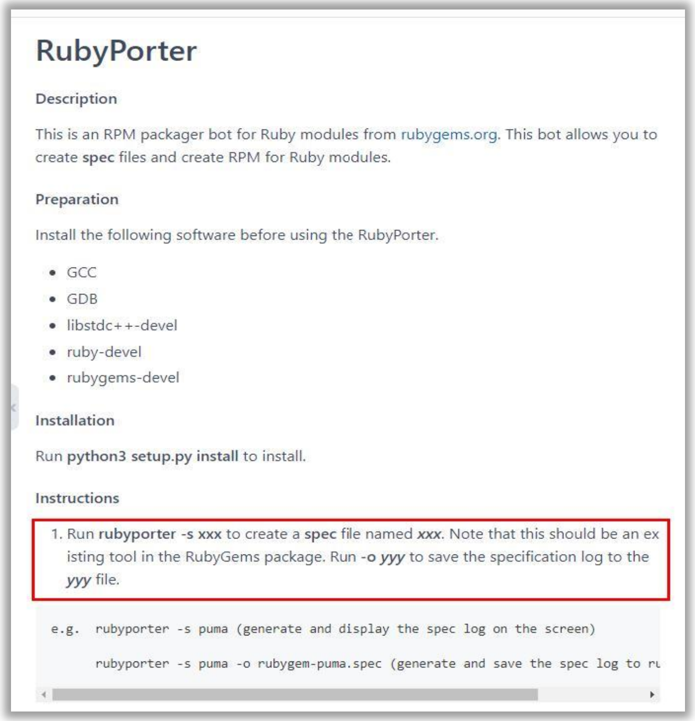
- gcc
- gdb
- libstdc++-devel
- ruby-devel
- rubygems-devel

Instructions

1. Create spec file, *rubyporter -s xxx*, add *-o xxx* to save to a file

```
e.g.  rubyporter -s puma (generate and display in the screen)

      rubyporter -s puma -o rubygem-puma.spec (generate and save to a file)
```



RubyPorter

Description

This is an RPM packager bot for Ruby modules from rubygems.org. This bot allows you to create **spec** files and create RPM for Ruby modules.

Preparation

Install the following software before using the RubyPorter.

- GCC
- GDB
- libstdc++-devel
- ruby-devel
- rubygems-devel

Installation

Run **python3 setup.py install** to install.

Instructions

1. Run **rubyporter -s xxx** to create a **spec** file named *xxx*. Note that this should be an existing tool in the RubyGems package. Run **-o** *yyy* to save the specification log to the *yyy* file.

```
e.g.  rubyporter -s puma (generate and display the spec log on the screen)

      rubyporter -s puma -o rubygem-puma.spec (generate and save the spec log to ru
```

来自开发者的肯定：

“果然术业有专攻，总结的也太专业了☺” from

“感谢Judith认真、耐心的检视和建议！” from

“英文优化很专业，谢谢G11N SIG各位的贡献！” from

- □ 内容完整性：补充中文 和/或 英文
- □ 优化英文：语言规范性、信息准确性、信息具体化、操作逻辑合理

README写作 – 选样分析

GitHub上，收藏数☆超过10,000的15个热门代码库：

- coqui-ai / TTS
- godotengine / godot
- lodash / lodash
- kholia / OSX-KVM
- bevyengine / bevy
- ethereum-lists / chains
- Kr328 / ClashForAndroid
- commaai / openpilot
- isocpp / CppCoreGuidelines
- raysan5 / raylib
- TheCherno / Hazel
- tldraw / tldraw
- MarlinFirmware / Marlin
- public-apis / public-apis
- JetBrains / compose-multiplatform

（2023-09-18排行，https://github.com/trending）

README写作 – 总结提炼

[redacted]

README 内容分析 & 写作建议

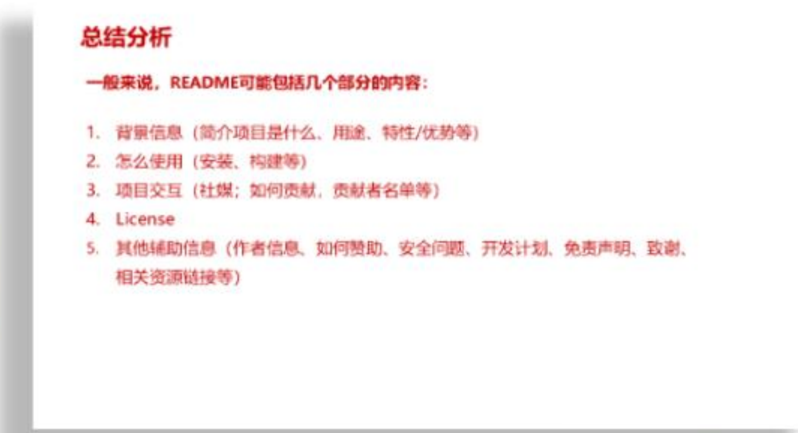
翻译中心

苏琴 00279106

刘鹏 00392187

澳大利亚星空下的灯塔

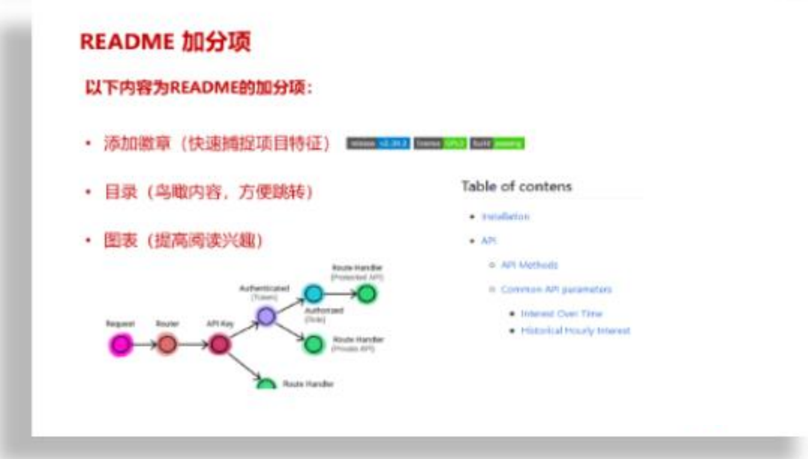
A beacon under the night sky in Australia



总结分析

一般来说，README可能包括几个部分的内容：

1. 背景信息（简介项目是什么、用途、特性/优势等）
2. 怎么使用（安装、构建等）
3. 项目交互（社媒；如何贡献，贡献者名单等）
4. License
5. 其他辅助信息（作者信息、如何赞助、安全问题、开发计划、免责声明、致谢、相关资源链接等）



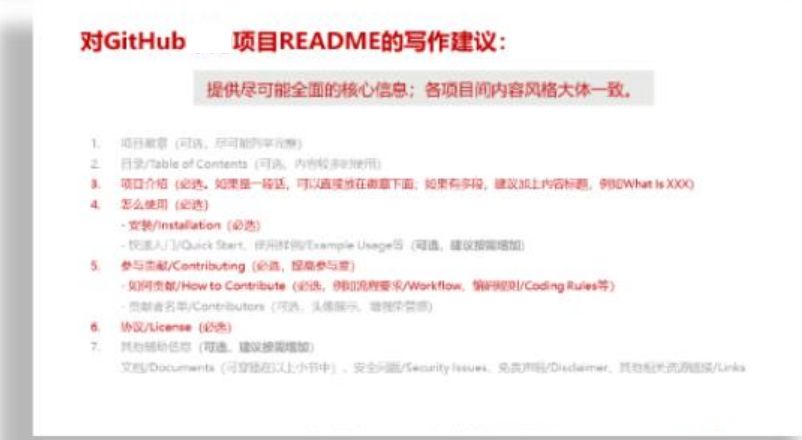
README 加分项

以下内容为README的加分项：

- 添加徽章（快速捕捉项目特征）
- 目录（鸟瞰内容，方便跳转）
- 图表（提高阅读兴趣）

Table of contens

- Installation
- API
  - API Methods
  - Common API parameters
    - Interest Over Time
    - Historical Hourly Interest



对GitHub 项目README的写作建议：

提供尽可能全面的核心信息；各项目间内容风格大体一致。

1. 项目徽章（可选，尽可能丰富完整）
2. 目录/Table of Contents（可选，内容较多时使用）
3. 项目介绍（必选。如果是一段话，可以直接放在徽章下面；如果有多段，建议加上内容标题，例如What is XXX）
4. 怎么使用（必选）
   - 安装/Installation（必选）
   - 快速入门/Quick Start、使用样例/Example Usage等（可选，建议按需增加）
5. 参与贡献/Contributing（必选，提高参与度）
   - 如何贡献/How to Contribute（必选，例如流程要求/Workflow、编码规则/Coding Rules等）
   - 贡献者名单/Contributors（可选，头像展示、增强荣誉感）
6. 协议/License（必选）
7. 其他辅助信息（可选，建议按需增加）
   文档/Documents（可穿插在以上小节中）、安全问题/Security Issues、免责声明/Disclaimer、其他相关资源链接/Links

friendly, inclusive

Using warm, inclusive language can go a long way in making your project feel welcoming to new contributors. Stick to simple language, as many of your readers may not be native English speakers.

Using a warm, friendly tone and offering specific suggestions for contributions (such as writing documentation, or making a website) can go a long way in making newcomers feel welcomed and excited to participate.

1

文档翻译

2

README写作

3

博客传播

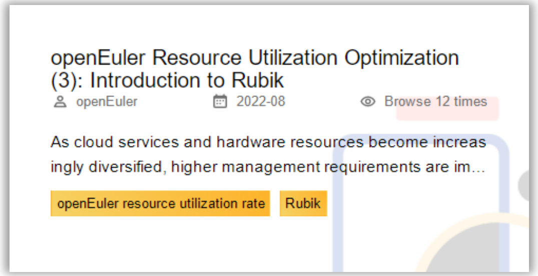
4

课程赋能

博客传播 – 翻译

翻译并发布200+ openEuler英文博客

技术分享

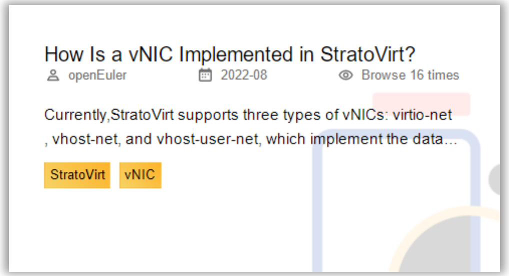


openEuler Resource Utilization Optimization (3): Introduction to Rubik

openEuler 2022-08 Browse 12 times

As cloud services and hardware resources become increasingly diversified, higher management requirements are im...

openEuler resource utilization rate | Rubik



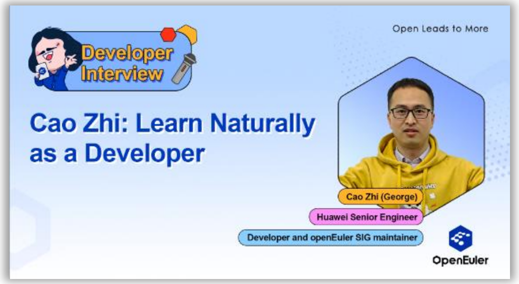
How Is a vNIC Implemented in StratoVirt?

openEuler 2022-08 Browse 16 times

Currently,StratoVirt supports three types of vNICs: virtio-net , vhost-net, and vhost-user-net, which implement the data...

StratoVirt | vNIC

开发者故事



Developer Interview

Open Leads to More

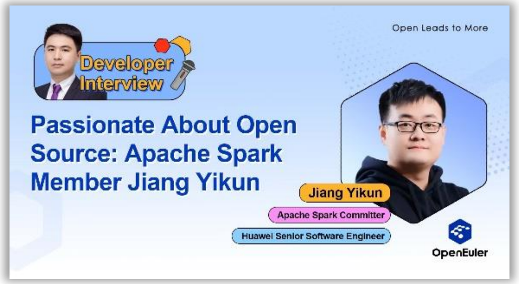
Cao Zhi: Learn Naturally as a Developer

Cao Zhi (George)

Huawei Senior Engineer

Developer and openEuler SIG maintainer

OpenEuler



Developer Interview

Open Leads to More

Passionate About Open Source: Apache Spark Member Jiang Yikun

Jiang Yikun

Apache Spark Committer

Huawei Senior Software Engineer

OpenEuler

新闻&动态

openEuler

NOW OPEN

openEuler Community Infrastructure Is Launched

2020-01-01

After more than 3 months' preparation, the openEuler community infrastructure was officially launched.

2022 07 MONTHLY REPO openEuler

OpenEuler

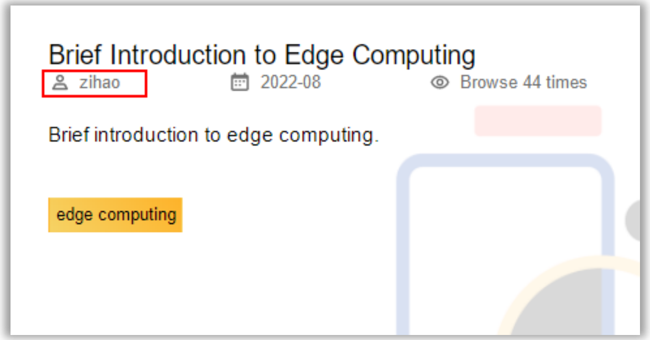
openEuler Community Operations Monthly Bulletin - July 2022

2022-07-31

openEuler, as one of the open source projects of OpenAtom Foundation, participated in the 2022 Open Atom Global Open Sou...

博客传播 – 创作

创作并发布30+英文技术博客

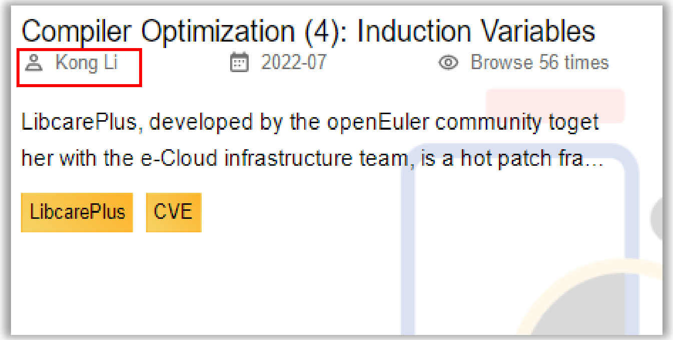


Brief Introduction to Edge Computing

zihao　2022-08　Browse 44 times

Brief introduction to edge computing.

edge computing



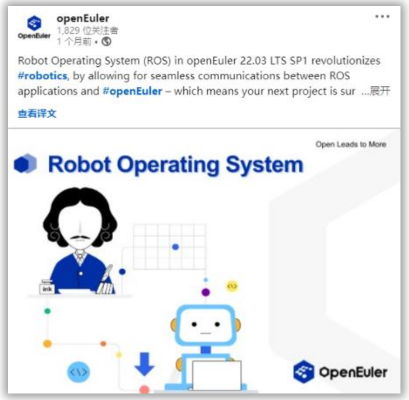
Compiler Optimization (4): Induction Variables

Kong Li　2022-07　Browse 56 times

LibcarePlus, developed by the openEuler community together with the e-Cloud infrastructure team, is a hot patch fra…

LibcarePlus　CVE

发布博客到LinkedIn，Twitter，Reddit及YouTube



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Robot Operating System (ROS) in openEuler 22.03 LTS SP1 revolutionizes #robotics, by allowing for seamless communications between ROS applications and #openEuler – which means your next project is sur …展开

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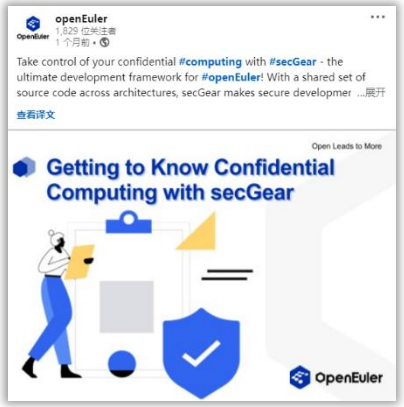

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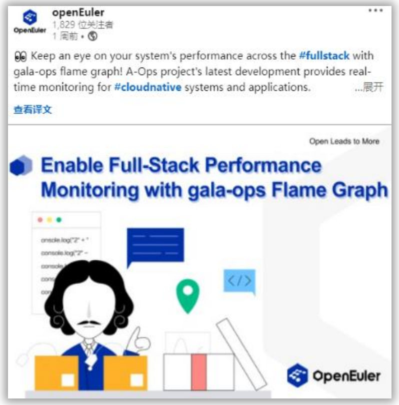

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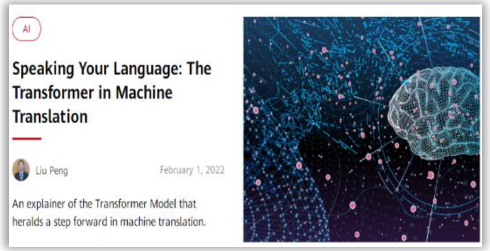
从翻到写，解锁不一样的开源贡献

博客传播 – 沉淀经验

选定主题：特性介绍、使用经验、案例分享等

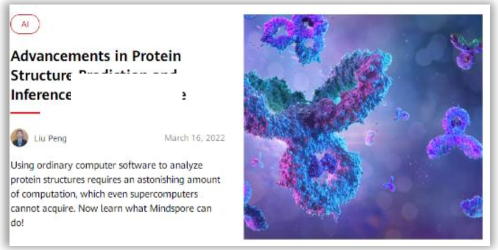


AI

Speaking Your Language: The Transformer in Machine Translation

Liu Peng February 1, 2022

An explainer of the Transformer Model that heralds a step forward in machine translation.



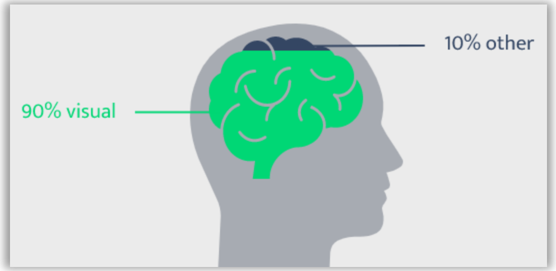
AI

Advancements in Protein Structure Prediction and Inference

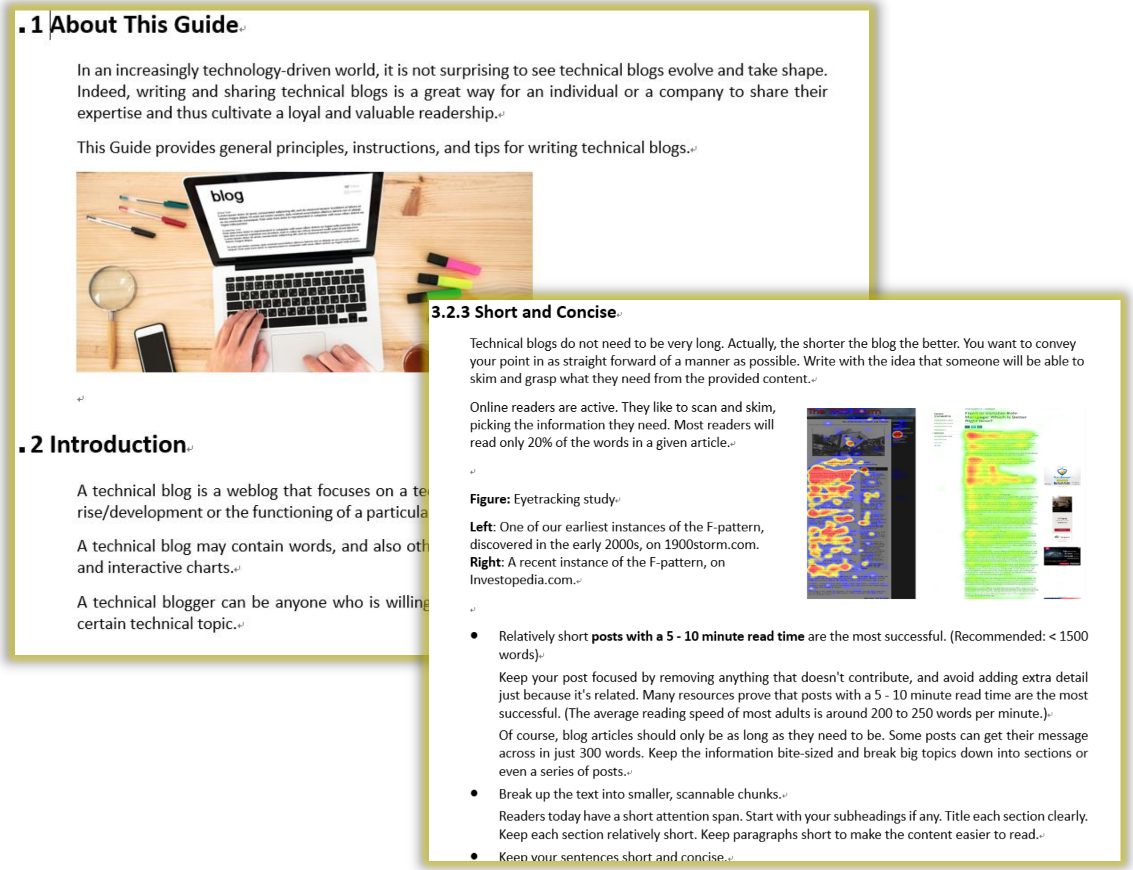
Liu Peng March 16, 2022

Using ordinary computer software to analyze protein structures requires an astonishing amount of computation, which even supercomputers cannot acquire. Now learn what Mindspore can do!

确定结构：确定博客的结构、大纲、基调



充实内容：展开主题，详实信息、示例、和步骤



1 About This Guide

In an increasingly technology-driven world, it is not surprising to see technical blogs evolve and take shape. Indeed, writing and sharing technical blogs is a great way for an individual or a company to share their expertise and thus cultivate a loyal and valuable readership.

This Guide provides general principles, instructions, and tips for writing technical blogs.

2 Introduction

A technical blog is a weblog that focuses on a te rise/development or the functioning of a particula

A technical blog may contain words, and also oth and interactive charts.

A technical blogger can be anyone who is willing certain technical topic.

3.2.3 Short and Concise

Technical blogs do not need to be very long. Actually, the shorter the blog the better. You want to convey your point in as straight forward of a manner as possible. Write with the idea that someone will be able to skim and grasp what they need from the provided content.

Online readers are active. They like to scan and skim, picking the information they need. Most readers will read only 20% of the words in a given article.

Figure: Eyetracking study

Left: One of our earliest instances of the F-pattern, discovered in the early 2000s, on 1900storm.com.
Right: A recent instance of the F-pattern, on Investopedia.com.

- Relatively short **posts with a 5 - 10 minute read time** are the most successful. (Recommended: < 1500 words)

  Keep your post focused by removing anything that doesn't contribute, and avoid adding extra detail just because it's related. Many resources prove that posts with a 5 - 10 minute read time are the most successful. (The average reading speed of most adults is around 200 to 250 words per minute.)

  Of course, blog articles should only be as long as they need to be. Some posts can get their message across in just 300 words. Keep the information bite-sized and break big topics down into sections or even a series of posts.
- Break up the text into smaller, scannable chunks.

  Readers today have a short attention span. Start with your subheadings if any. Title each section clearly. Keep each section relatively short. Keep paragraphs short to make the content easier to read.
- Keep your sentences short and concise.

A Guide to Writing Technical Blogs

1 **文档翻译**

2 **README写作**

3 **博客传播**

4 **课程赋能**

课程赋能 – 创作概览

Why: 精简、易懂；方便、易得、可控；面对面的交流氛围；多维交互感

行业洞察

1. 微视频（或短视频，两三分钟内）
2. 教程视频（screencasts, tutorials, trainings, 10分钟或更长）
3. 说明类视频（通常十分钟以内）
4. 系统课程类（半小时左右）
5. Webinar/Talks （不限时间，根据主题而定）

梳理流程

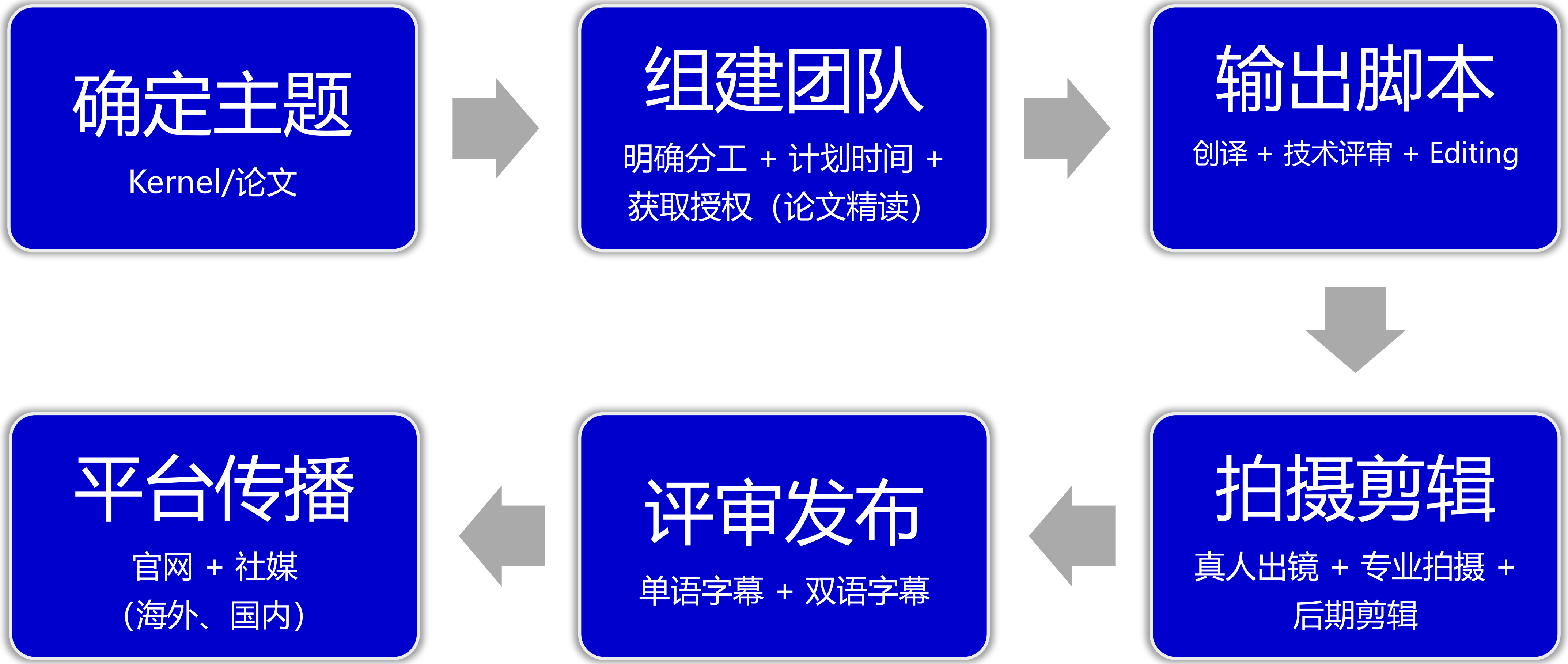
1. 确定主题：前沿技术、特性、操作、交流讨论
2. 工具支撑：设备、软件、专业团队等
3. 明确受众：新手开发者、进阶开发者、专家、普通观众
4. 创作脚本：翻译、创译、原创
5. 录制视频、剪辑视频、字幕添加
6. 评审发布：社区blog、专栏频道、社媒平台等

创作101

1. 如何确定视频时长
2. 使用什么设备录制
3. 推荐的剪辑软件

Content is King

课程赋能 – 落地流程



确定主题

Kernel/论文

组建团队

明确分工 + 计划时间 + 获取授权（论文精读）

输出脚本

创译 + 技术评审 + Editing

拍摄剪辑

真人出镜 + 专业拍摄 + 后期剪辑

评审发布

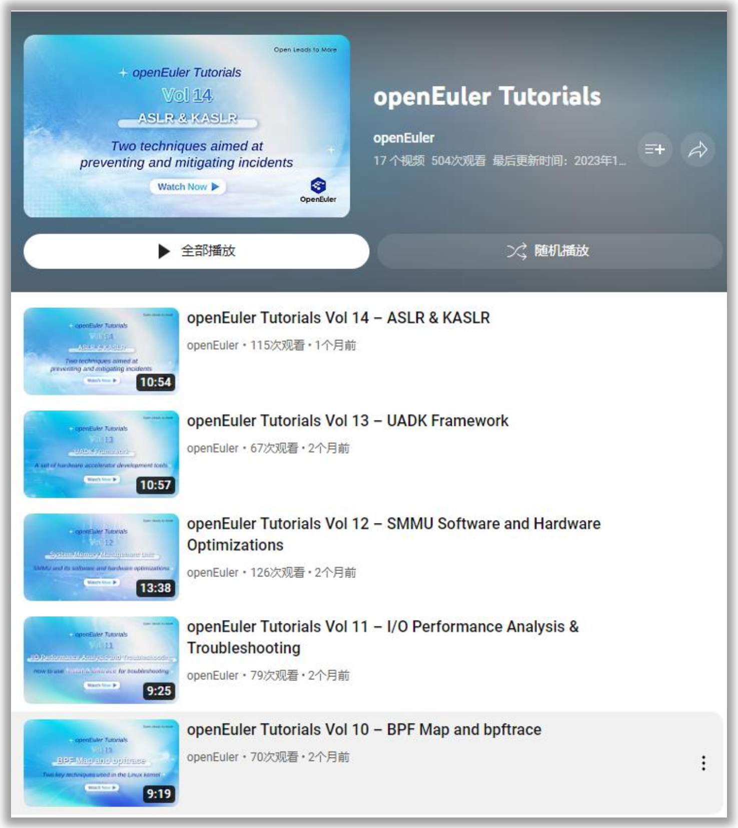
单语字幕 + 双语字幕

平台传播

官网 + 社媒（海外、国内）

课程赋能 – 输出成果

Kernel 系列共计14期：Youtube（LinkedIn，Twitter，Reddit 引流）、openEuler官网、B站、微信公众号，长期播放量Top2



openEuler Tutorials

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17 个视频 504次观看 最后更新时间：2023年1...

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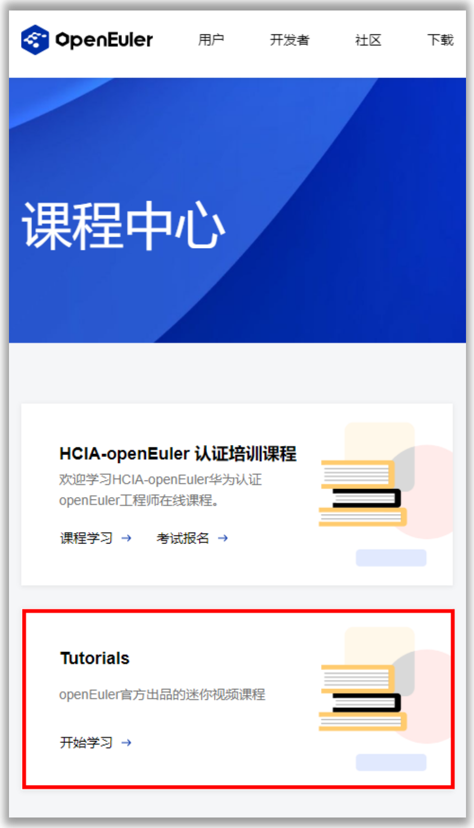
openEuler • 67次观看 • 2个月前

openEuler Tutorials Vol 12 – SMMU Software and Hardware Optimizations
openEuler • 126次观看 • 2个月前

openEuler Tutorials Vol 11 – I/O Performance Analysis & Troubleshooting
openEuler • 79次观看 • 2个月前

openEuler Tutorials Vol 10 – BPF Map and bpftrace
openEuler • 70次观看 • 2个月前



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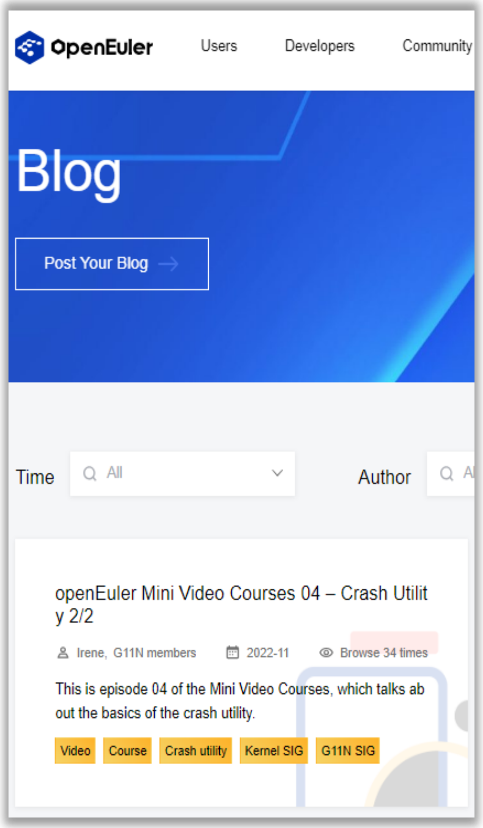


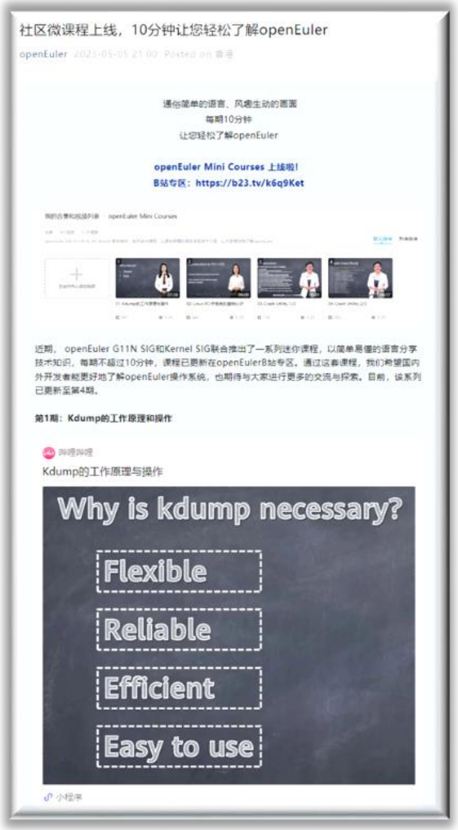
Blog

openEuler Mini Video Courses 04 – Crash Utility 2/2

Irene, G11N members　2022-11　Browse 34 times

This is episode 04 of the Mini Video Courses, which talks about the basics of the crash utility.

Video　Course　Crash utility　Kernel SIG　G11N SIG



社区微课程上线，10分钟让您轻松了解openEuler

openEuler 2023-05-05 21:00 Posted on 香港

通俗简单的语言、风趣生动的画面
每期10分钟
让您轻松了解openEuler

openEuler Mini Courses 上线啦！
B站专区：https://b23.tv/k6q9Ket

近期，openEuler G11N SIG和Kernel SIG联合推出了一系列迷你课程，以简单易懂的语言分享技术知识，每期不超过10分钟，课程已更新在openEulerB站专区。通过这套课程，我们希望国内外开发者能更好地了解openEuler操作系统，也期待与大家进行更多的交流与探索。目前，该系列已更新至第4期。

第1期：Kdump的工作原理和操作

Kdump的工作原理与操作

Go Global with G11N

THANKS

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