



Databend

Databend 开发协作

如何合理利用相关资源为贡献加速

Databend 贡献者养成计划

主讲人：尚卓燃 (PsiACE)



为什么给 Databend 贡献

Databend 是一个开源、弹性、可靠的 serverless 云数仓

- 开源且活跃的 OLAP 数仓
- 全球协作，贡献可见
- Rust/数据库 练习场，提升项目经验

v0.5.20-nightly Pre-release



What's Changed

Bug Fixes

- DataColumn use equals rather than comparator eq (#2855) by @sundy-li
- ISSUE-2837 fix not projection schema for fuse table (#2839) by @zhang2014
- Fix a bug in refactoring angle function (#2829) by @sundy-li

Build/Testing/CI

- [metasrv] test: test membership after restarting MetaNode; test join a node twice (#2826) by @drmingdrmer

Dependency Updates

- Bump tokio from 1.13.0 to 1.14.0 (#2825) by @dependabot[bot]
- Bump httpmock from 0.6.2 to 0.6.4 (#2822) by @dependabot[bot]

Documentation

- update the url of databend weekly (#2856) by @miamia0
- Update aggregate-sum.md (#2852) by @Mrfogg
- Update aggregate-sum.md (#2843) by @wubx
- [DOC] Add covariance doc and flight token test (#2836) by @junli1026
- DOC-2838: Add how to get server logs doc (#2840) by @BohuTANG

Features

- [function] add exp math function (#2847) by @Junnplus
- [function] Add support for inet_ntoa (#2824) by @pymongo
- [function] add mod math function (#2850) by @Junnplus

Improvement

- ISSUE-2831: mysql query writer support struct datatype (#2832) by @zhyass
- ISSUE-2845: Initial the data directory (#2846) by @BohuTANG
- reuse common::streams::parquetsource (#2848) by @Veeupup
- [metasrv] test: test membership after restarting MetaNode; test join a node twice (#2826) by @drmingdrmer
- Set storage_type to disk by default (#2833) by @BohuTANG
- Make Fuse Engine as default table engine (#2830) by @sundy-li
- ISSUE-2806: Add metrics to dal operations (label with tenant_id and cluster_id) (#2821) by @dantengsky
- [test] apply the new test style to databend-meta (#2814) by @PsiACE

Others

- update the url of databend weekly (#2856) by @miamia0
- ISSUE-2831: mysql query writer support struct datatype (#2832) by @zhyass
- DataColumn use equals rather than comparator eq (#2855) by @sundy-li
- [function] add exp math function (#2847) by @Junnplus
- [function] Add support for inet_ntoa (#2824) by @pymongo
- [function] add mod math function (#2850) by @Junnplus
- reuse common::streams::parquetsource (#2848) by @Veeupup
- Update aggregate-sum.md (#2852) by @Mrfogg
- Update aggregate-sum.md (#2843) by @wubx
- [DOC] Add covariance doc and flight token test (#2836) by @junli1026
- DOC-2838: Add how to get server logs doc (#2840) by @BohuTANG
- Fix a bug in refactoring angle function (#2829) by @sundy-li
- Set storage_type to disk by default (#2833) by @BohuTANG
- Make Fuse Engine as default table engine (#2830) by @sundy-li
- ISSUE-2806: Add metrics to dal operations (label with tenant_id and cluster_id) (#2821) by @dantengsky
- Bump tokio from 1.13.0 to 1.14.0 (#2825) by @dependabot[bot]
- [test] apply the new test style to databend-meta (#2814) by @PsiACE
- Bump httpmock from 0.6.2 to 0.6.4 (#2822) by @dependabot[bot]

Contributors



sundy-li, zhang2014, and 13 other contributors

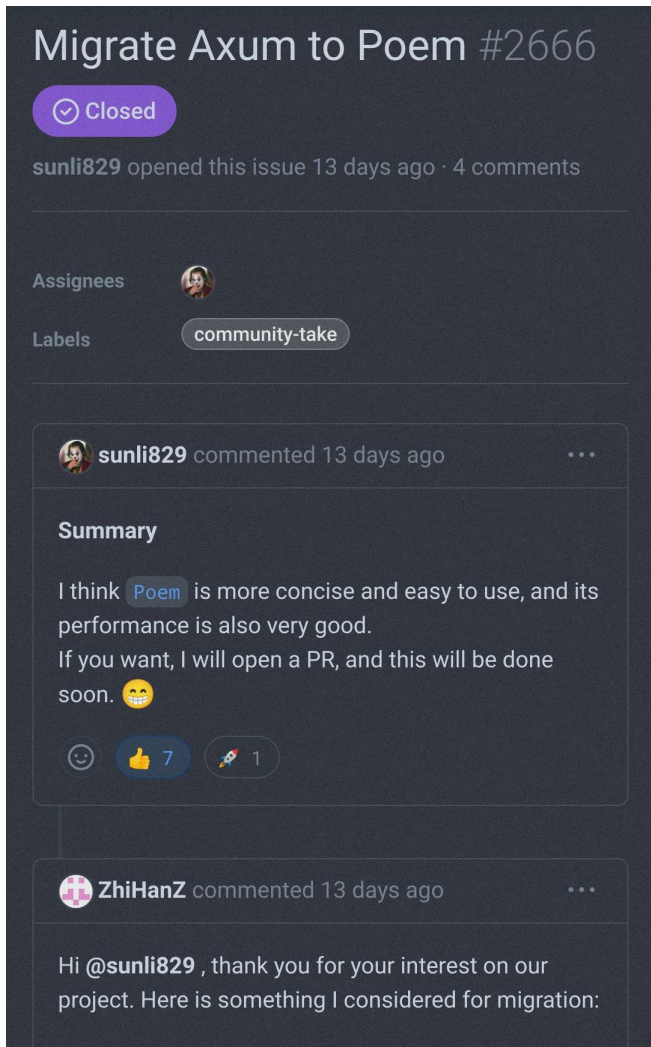
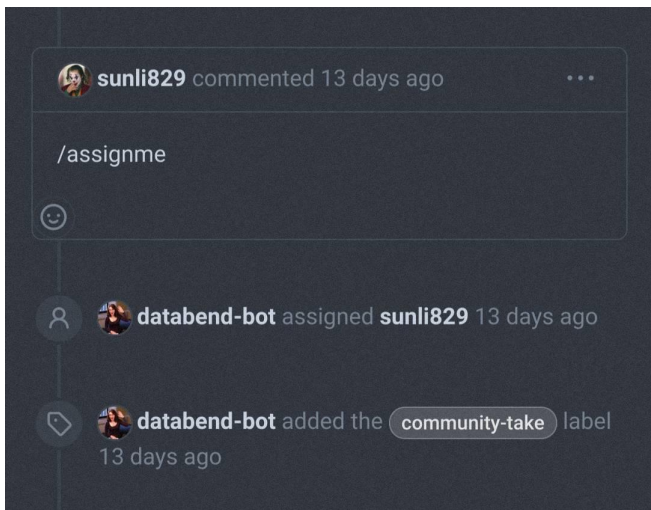
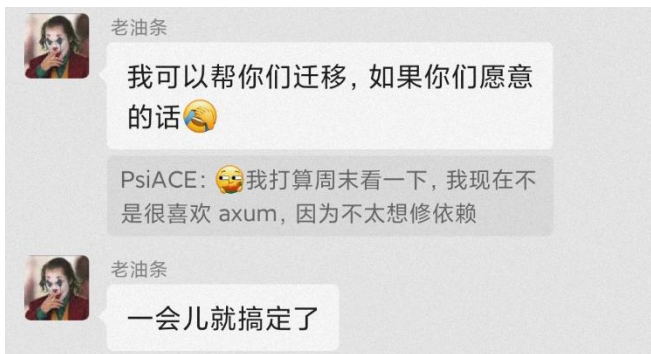
Assets





协作案例 – 迁移到 Poem

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协作案例 – 迁移到 Poem

WWW.DATABEND.COM

Migrate to Poem #2670

Merged

databend-bot merged 1 commit into datafuselabs:main from sunli829:main 13 days ago

Conversation 6 Commits 1 Checks 12

sunli829 commented 13 days ago • edited by PsiACE

I hereby agree to the terms of the CLA available at: <https://databend.rs/policies/cla/>

Summary

Migrate databend-query and databend-metasrv from axum to poem

Changelog

- Improvement

Related Issues

Fixes #2666

databend-bot commented 13 days ago

Thanks for the contribution!
I have applied any labels matching special text in your PR Changelog.

Please review the labels and make any necessary changes.

databend-bot added the pr-improvement label 13 days ago

BohuTANG requested a review from ZhiHanZ 13 days ago

Improvement

- Make push_downs work in table's read (#2660) by @sundy-li
- Migrate to Poem (#2670) by @sunli829

Contributors

zhyass, PsiACE, and 3 other contributors

ZhiHanZ commented 13 days ago

Overall LGTM, thanks @sunli829

ZhiHanZ approved these changes 13 days ago

View changes

databend-bot commented 13 days ago

CI Passed
Reviewer Approved
Let's Merge

databend-bot merged commit 2f0e823 into datafuselabs:main 13 days ago
13 checks passed

View details Revert



目录

CONTENT

- 1 GitHub 与协作
- 2 Databend 小助手
- 3 如何测试/验证更改
- 4 善用其他资源



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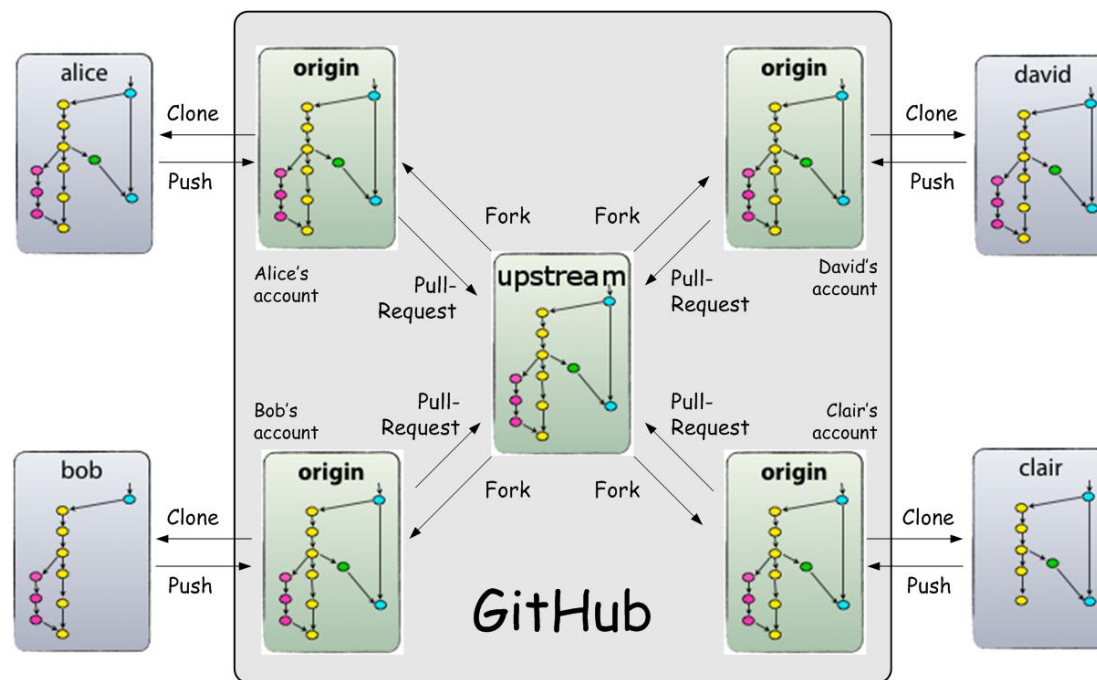
GitHub 与协作

Model / Issues / Discussions / Pull Requests

Databend 贡献者养成计划

Databend 的协作依赖于 GitHub，大体上基于 fork and pull model。

开发人员分叉项目源仓库，并克隆分叉到本地进行开发 测试，测试完毕提交到分叉，并发送 pull request 到源仓库，源仓库维护人员评审 更改，并最终决定是否合并该更改到源仓库





在 fork & pull 的基础上，Databend 依赖 Issue 来驱动整个项目

任何人可以按照模板提交 Issue 到 Databend，维护人员将会进行响应和评估，开发人员可以选择自己感兴趣的 Issue 参与和推动

name	about	title	labels	assignees
Bug report	Create a report to help us improve Databend		bug	

Summary

Description for this bug.

How to reproduce

Error message and/or stacktrace

If applicable, add screenshots to help explain your problem.

Additional context

Add any other context about the problem here.

🕒 35 Open ✓ 99 Closed	Author ▾	Label ▾	Projects ▾	Milestones ▾	Assignee ▾	Sort ▾
🕒 [Monitoring] add label in monitor metrics	C-cloud-re-architecture	C-good first issue	C-observability			
#2744 opened 8 hours ago by ZhiHanZ						
🕒 [CI] introduce arm64 cross compile to CI	C-good first issue					
#2722 opened 2 days ago by ZhiHanZ						
🕒 [CI] Introduce yaml lint to ci and make lint	C-good first issue					
#2711 opened 3 days ago by ZhiHanZ						
🕒 User grant privileges	A-databend-query	C-feature	C-good first issue	community-take		1
#2679 opened 5 days ago by BohuTANG						
🕒 alter user statement	A-databend-query	C-good first issue	community-take			1
#2657 opened 7 days ago by BohuTANG						
🕒 drop user statement	A-databend-query	C-good first issue	community-take			1
#2656 opened 7 days ago by BohuTANG						

- 根据标签可以筛选感兴趣的内容，我们也为新手准备了 good first issue
- 如果遇到安全漏洞，请不要通过 Issue 提交，可以直接电邮维护人员



为了方便讨论，Databend 也开启了 Discussions 板块

可以在 Databend 讨论有意思的设计，展望一下新特性，或者交流一些信息

目前该板块利用率还不高，但我们鼓励大家使用 Discussions

Categories

∞ View all

Cloud Architecture

General

Ideas

Q&A

Show and tell

↑ 2



Make DATABEND_COMMIT_VERSION const, remove lazy_static dep on metasrv
pymongo started 21 days ago in Ideas



0

↑ 1



Unify Catalog API methods to Async Style
dantengsky started on 25 Aug in General



17

↑ 3



Catalog API **C-feature**
dantengsky started on 22 Jun in Ideas



22

↑ 1



consider Cirrus CI?
ZhiHanZ started on 17 Aug in Ideas



5



GitHub 与协作 - PR

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Pull Requests 是向 Databend 做出代码贡献的必经之路，约 1700 个 PR 见证 Databend 成长

Pull Requests 的流程与其他项目一样，但需要注意的是，Databend 项目会检查 PR 描述，来完成 CLA 确认和变更记录产生等工作。一旦通过所有 CI 检测并获得两位以上维护者的赞成票，PR 将会合并到项目中

* 欢迎对任何内容的相关贡献，但如果你不确定要不要做，可以看看 Issues 或开始 Discussions

Asynchronous read partitions #2524

New issue

Draft zhang2014 wants to merge 10 commits into datafuselabs:main from zhang2014:async_read_partitions

Conversation 3 Commits 10 Checks 0 Files changed 95

+2,424 -1,625



zhang2014 commented 13 days ago

Member ...

I hereby agree to the terms of the CLA available at: <https://databend.rs/policies/cla/>

Summary

Asynchronous read partitions

Changelog

- Improvement

Related Issues

[#2492](#)

Test Plan

Unit Tests

Stateless Tests

Reviewers

No reviews

Assignees

No one assigned

Labels

[need-review](#) [pr-improvement](#)

Projects

None yet

Milestone

No milestone

Linked issues

Successfully merging this pull request may close these issues.

None yet



Asynchronous read partitions[part]

6ea8d35

4 participants





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Databend 小助手

Assign / Label / Merge

Databend 贡献者养成计划



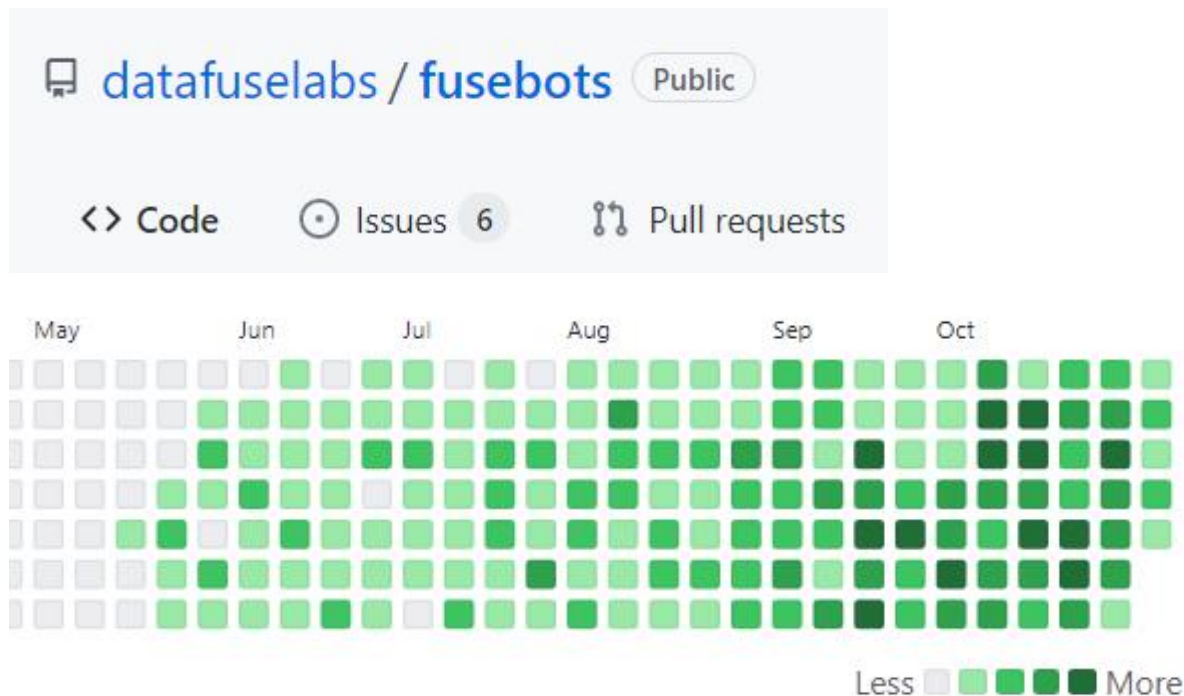
Databend 小助手

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为了简化维护工作，特别聘请一位任劳任怨小助手 —— Databend Bot，全权负责任务分配、日志生成、代码合并等问题



DatabendBot
databend-bot





Databend 小助手 - Assign

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遇到心仪 Issue 想要试试看？在确认没有其他人正在努力的情况下，无需请求维护者手动分配

评论 /assignme，Databend Bot 可以把问题分配给你，并打上 community-take 标签提示其他参与者名花有主

* 如果忘记命令，试着评论 /help，看看都有哪些能力



xuyifanggreeneyes commented on 20 Aug

@zhang2014 can I have a try on the feature?



BohuTANG commented on 20 Aug

/help



databend-bot commented on 20 Aug

/assignme -- assign the issue to you
/help -- show help



xuyifanggreeneyes commented on 21 Aug

/assignme



databend-bot assigned xuyifanggreeneyes on 21 Aug



databend-bot added the community-take label on 21 Aug



Label 有助于标识问题，Databend 项目中的 Label 管理任务由 Databend Bot 辅助完成

- 任务分配之后 community-take
- 根据 PR 中对 Changelog 的描述添加标签
- 对未审核 PR 添加 need-review

* 示例 [datafuselabs/databend#2727](https://github.com/datafuselabs/databend/pull/2727)

* 标签文件见 [.github/labeler.yml](https://github.com/datafuselabs/databend/blob/main/.github/labeler.yml)




 databend-bot added the **community-take** label 3 days ago

Changelog

- Bug Fix



 databend-bot added the **pr-bugfix** label 2 days ago



 databend-bot added the **need-review** label 2 days ago

Bug Fixes

- [user] fix create users with different hostnames ([#2727](https://github.com/datafuselabs/databend/pull/2727)) by @Junnplus



Databend 也为 Review 和 Merge 提供配套支持

- 需要两名维护者投赞成票
- 评论 /review @x 将审核任务分配给指定维护者
- 评论 /lgtm 或者 /LGTM 可由 Databend Bot 代投赞成票
- 自动合并通过全部 CI 且赞成票数达标的 PR
- 贴心提示

The screenshot shows a vertical thread of comments on a pull request. At the top, a user 'sundy-li' with a green checkmark icon approves the changes, stating 'sundy-li approved these changes 8 hours ago'. Below this, a light gray comment box from 'databend-bot' says 'databend-bot commented 8 hours ago' followed by 'Wait for another reviewer approval'. Next, a user 'zhang2014' with a green checkmark icon approves the changes, stating 'zhang2014 approved these changes 8 hours ago'. This is followed by a comment from 'databend-bot' with a tag icon, stating 'databend-bot removed the need-review label 8 hours ago'. At the bottom, another light gray comment box from 'databend-bot' says 'databend-bot commented 8 hours ago' followed by a multi-line message: 'CI Passed', 'Reviewers Approved', 'Let's Merge', and 'Thank you for the PR @PsiACE'.

✓ sundy-li approved these changes 8 hours ago

databend-bot commented 8 hours ago

Wait for another reviewer approval

✓ zhang2014 approved these changes 8 hours ago

databend-bot removed the need-review label 8 hours ago

databend-bot commented 8 hours ago

CI Passed
Reviewers Approved
Let's Merge
Thank you for the PR @PsiACE



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如何测试/验证更改

CI / Scripts

Databend 贡献者养成计划



Databend 利用 GitHub Action 完成持续集成，确保合入代码的可靠性，配置文件位于 `.github/workflows`

Cargo – Fmt / Clippy

✓ [test] apply the new test style to common-datablocks Cargo #5993: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 9m 12s	...
------------------------------------------------------------------------------------------------------------	-------------------	----------------------------	-----

Build – 确保能够编译成功

✓ [test] apply the new test style to common-datablocks Stateless(Standalone, using embedded meta-store) #468: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 41m 18s	...
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Stateless – 运行位于 tests 目录下的测试套件

✓ [test] apply the new test style to common-datablocks Stateless(Cluster) #5444: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 37m 59s	...
-------------------------------------------------------------------------------------------------------------------------	-------------------	-----------------------------	-----

✓ [test] apply the new test style to common-datablocks License checker #4311: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 4m 46s	...
----------------------------------------------------------------------------------------------------------------------	-------------------	----------------------------	-----

Unit Tests – 运行位于各组件目录中的 tests / *_test.rs / #[test]

✓ [test] apply the new test style to common-datablocks Unit Tests #5996: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 57m 55s	...
-----------------------------------------------------------------------------------------------------------------	-------------------	-----------------------------	-----

✓ [test] apply the new test style to common-datablocks Build #1858: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 41m 50s	...
------------------------------------------------------------------------------------------------------------	-------------------	-----------------------------	-----

License Checker – 检查许可

✓ [test] apply the new test style to common-datablocks Stateless(Standalone) #5445: Pull request #2748 opened by PsiACE	PsiACE:datablocks	📅 10 hours ago 🕒 36m 54s	...
----------------------------------------------------------------------------------------------------------------------------	-------------------	-----------------------------	-----



如何测试/验证更改 - Scripts

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借助 Makefile 和 Shell Scripts，开发人员可以在本地环境中轻松完成部署、测试等工作

main ▾ databend / scripts /		Go to file
BohuTANG ISSUE-2472: namespace -> cluster, tenant -> tenant_id ✓ 3e76625 9 hours ago History		
..		
build	updated scripts	6 days ago
ci	updated scripts	6 days ago
deploy	ISSUE-2472: namespace -> cluster, tenant -> tenant_id	9 hours ago
installer	all to x86	17 days ago
setup	[others] datafuse -> databend	2 months ago

- make setup – 轻松配置开发环境
- make lint – Fmt & Clippy
- make build – 构建二进制文件
- make test – 运行单元测试和stateless 测试
- make run-debug – 启动一个 debug 构建的 databend 服务

* 大多数 Linux 发行版均默认安装有 make 和 bash, stateless 测试需要 mysql 客户端



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善用其他资源

文档 / 课程 / 生态

Databend 贡献者养成计划



善用其他资源 – 文档

Databend 文档 – 部署、使用、开发

Modern Real-Time Data Processing & Analytics DBMS with Cloud-Native Architecture

Built to make the Data Cloud easy.

Quick start

Performance

Databend Presentations – 内部分享稿

datafuse-presentations

Public

Presentations, meetups and talks about Datafuse

HTML

☆ 26

🔗 12

🕒 0

🔖 0

Updated 26 days ago

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Databend Weekly – 一周动态汇总

This week in Databend #15

2021-11-10

Databend aimed to be an open source **elastic** and **reliable** cloud warehouse, it offers blazing fast query and combines elasticity, simplicity, low cost of the cloud, built to make the Data Cloud easy.

Big changes

Below is a list of some major changes that we don't want you to miss.

Features

- ▶ support add api and support local deployment with a single line of code by @ZhiHanZ. (#2644)
- ▶ add system.columns table by @flaneur2020. (#2624)
- ▶ support create user by @BohuTANG (#2646)
- ▶ add system users table by @GrapeBaBa (#2684)
- ▶ add show uses statement by @Junnplus. (#2694)
- ▶ add join API to join a node to cluster by @drmingdrmer (#2701)
- ▶ support graceful shutdown in metasrv by @sunisdown. (#2699)
- ▶ add math functions
 - ▶ degress / radians by @Junnplus (#2643)
 - ▶ log / ln / log2 / log10 by @flaneur2020 (#2669 & #2733)



善用其他资源 – 课程

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Databend 以会议形式定期分享 Rust、数据库、Dataend 开发 等相关内容

预约下一场会议？

请关注 Databend 公众号获取最新消息

担心错过精彩内容？

贴心准备录播，BiliBili 搜索 Databend 即可直达



wubx/rust-in-databend

Rust 培养提高计划 <https://github.com/datafuselabs/databend>

rust

databend

☆ 207

● Rust

Updated 7 days ago

动态 投稿 23 视频列表 2

TA的视频 21 最新发布 最多播放 最多收藏

16-通过 Futures 库分析加深对 Rust 异步机制的理解
185 11-8

15-探讨为什么Pin在Rust异步编程中如此重要 | Databend
336 11-4

14-探讨 Rust 异步编程框架 Mio | Rust 培养提高计划
1152 10-28

13-Databend 产品如何做测试品控 | Databend
151 10-21

12-初探 Rust 微服务架构 | Databend
877 10-18

11-实战：使用 Rust 开发动态链接库并在 Golang 中使用 |
1520 10-15

Rust 使用Redis给短链服务加速 | Vol. 10
397 10-11


基于Rust Axum-web 和 MySQL 开发短链服务 |
929 9-27

利用 Tokio 实现一个高性能 Mini Http Server | Datafuse
1141 9-13



Databend 项目从 Rust 生态和良好的上游依赖中汲取养分。

 [jonhoo/msql-srv](#)
Bindings for writing a server that can act as MySQL/MariaDB
☆ 68 ● Rust Updated on 5 Oct

 [pola-rs/polars](#)
Fast multi-threaded DataFrame library in Rust and Python
[rust](#) [python](#) [arrow](#) [dataframe](#) [dataframes](#) [dataframe-library](#)
☆ 3k ● Rust MIT license Updated 1 hour ago 6 issues need help

 [jorgecarleitao/arrow2](#)
Unofficial transmute-free Rust library to work with the Arrow format
☆ 241 ● Rust Updated 23 hours ago 2 issues need help

分享成功实践到 Databend 社区、参与上游项目的维护，同样是促进 Databend 成长的绝佳途径。



Databend

讨论时间

THANK YOU FOR WATCHING

Databend 贡献者养成计划

主讲人：尚卓燃 (PsiACE)