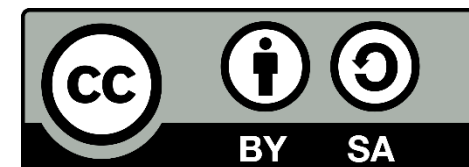




LaTeX und GitHub

Oliver Kopp
JabRef e.V.



Motivation

- Mehrere Leute
- Sichergehen, dass Dokument kompiliert

Demo-Repository <https://github.com/demo-kopp/dante-2024>

Arbeitsumgebung

- Server: GitHub
 - Kostenlos für OpenSource

GitHub Account anlegen

- <https://github.com>
- Email
 - Kann vor der Öffentlichkeit versteckt werden
- Login name
 - Login similar to your university account. Example: koppor
 - Use your last name prefixed by the first letter of your first name. Example: okopp
 - Use firstname.lastname. Example: oliver.kopp

Stand nach Anlage

Dashboard

Search

Type to search

>

+

Create your first project

Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

Create repository

Import repository

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

Home

Send feedback

Filter 8

Updates to your homepage feed

We've combined the power of the Following feed with the For you feed so there's one place to discover content on GitHub. There's improved filtering so you can customize your feed exactly how you like it, and a shiny new visual design. ✨

[Learn more](#)

<>

Start writing code

...

Start a new repository for demo-kopp

A repository contains all of your project's files, revision history, and collaborator discussion.

Repository name *

name your new repository...

Public

Anyone on the internet can see this repository

Private

You choose who can see and commit to this repository

Create a new repository

Introduce yourself with a profile README

Share information about yourself by creating a profile README, which appears at the top of your profile page.

demo-kopp / README.md

Create

1 - Hi, I'm @demo-kopp

2 - I'm interested in ...

3 - I'm currently learning ...

4 - I'm looking to collaborate on ...

5 - How to reach me ...

6 - Pronouns: ...

7 - Fun fact: ...

8

Use tools of the trade

...

Simplify your development workflow with a GUI

Get AI-based coding suggestions

The state of the Octoverse 2023

What does it mean for a technology to go mainstream? Discover how AI is changing the developer experience.

Learn more

Latest changes

15 hours ago

Secret scanning now detects secrets in GitHub wikis

2 days ago

GitHub Actions: Hardware accelerated Android virtualization now available

2 days ago

What's new for GitHub Actions hosted runners

2 days ago

Code security configurations let organizations easily roll out GitHub security products at scale

View changelog

Explore repositories

guhungr / react-native-photo-manipulator

☆

React Native Image Processing API to edit photo programmatically for Android and iOS. It features print text, overlay on another image (add watermark), resize, crop, flip and optimize image size th...

☆ 293

TypeScript

5

Repository anlegen I


Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?

[Import a repository.](#)

Required fields are marked with an asterisk ().*

Owner *

 demo-kopp ▾

Repository name *

/ dante-2024

✔ dante-2024 is available.

Great repository names are short and memorable. Need inspiration? How about **musical-funicular** ?

Description (optional)

Repository anlegen II

Initialize this repository with:

☒ Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore


.gitignore template: TeX ▼

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: MIT License ▼

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

This will set  main as the default branch. Change the default name in your [settings](#).

 You are creating a public repository in your personal account.

Stand nach Anlage Repository

demo-kopp / dante-2024

Type to search

>

+

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

dante-2024

Public

Pin

Unwatch 1

Fork 0

Star 0

main

1 Branch

0 Tags

Go to file

Add file

<> Code

About

demo-kopp

Initial commit

e98f592 · now

1 Commits

.gitignore	Initial commit	now
LICENSE	Initial commit	now
README.md	Initial commit	now

README

MIT license

dante-2024

About

No description, website, or topics provided.

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published



Create a new release

Packages


No packages published

Publish your first package


Erstes LaTeX-Dokument: Neue Datei anlegen




 demo-kopp / dante-2024


[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

 **dante-2024** Public [Pin](#) [Unwatch](#) 1

[main](#) [1 Branch](#) [0 Tags](#) [Add file](#) [Code](#)



 **demo-kopp** Initial commit e98f592







 .gitignore	Initial commit	4 minutes ago
 LICENSE	Initial commit	4 minutes ago
 README.md	Initial commit	4 minutes ago


[README](#) [MIT license](#) 

dante-2024


Inhalt hinzufügen

 demo-kopp / dante-2024

 Code  Issues  Pull requests  Actions  Projects 

 dante-2024 / in main

Edit Preview

 Code 55% faster with GitHub Copilot

```
1 \documentclass{scrartcl}
2 \begin{document}
3 Demo
4 \end{document}
5
```

Committed

The screenshot shows the GitHub web interface for a repository named 'demo-kopp / dante-2024'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A search bar is located on the right. Below the navigation bar, there are buttons for 'Cancel changes' and 'Commit changes...'. A purple arrow points from the 'Commit changes...' button to a modal dialog titled 'Commit changes'. The modal dialog has a close button (X) in the top right corner. It contains a 'Commit message' field with the text 'Create main.tex', an 'Extended description' field with the placeholder text 'Add an optional extended description..', and two radio button options: 'Commit directly to the main branch' (selected) and 'Create a new branch for this commit and start a pull request'. At the bottom of the modal, there are 'Cancel' and 'Commit changes' buttons. A purple arrow points from the 'Commit changes' button in the modal to the 'Commit changes...' button in the top navigation bar.

demo-kopp / dante-2024

Search Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Cancel changes Commit changes...

Commit changes

Commit message

Create main.tex

Extended description

Add an optional extended description..

☒ Commit directly to the main branch

☐ Create a new branch for this commit and start a pull request [Learn more about pull requests](#)

Cancel Commit changes

Committed

Commit changes

Commit message

Create main.tex

Extended description

Add an optional extended description..

☒ Commit directly to the `main` branch

☐ Create a **new branch** for this commit and start a pull request [Learn more about pull requests](#)

Cancel

Commit changes

Prüfung der Kompilierung

dante-2024 / .github / workflows / in main

Edit

Preview



Code 55% faster with GitHub Copilot

Spaces



2



No wrap



```
1  name: Check Build
2
3  on: [push]
4
5  jobs:
6    build:
7      runs-on: ubuntu-latest
8      name: check
9      steps:
10       - name: Checkout
11         uses: actions/checkout@v4
12       - name: Install TeX Live
13         uses: zauguin/install-texlive@v3
14         with:
15           packages: >
16             latex latex-bin scheme-basic koma-script luatexbase luatex
17       - run: lualatex main
18
```

Workflow läuft!

The screenshot displays the GitHub Actions interface for the repository 'demo-kopp / dante-2024'. The top navigation bar includes links for Code, Issues, Pull requests, Actions (highlighted with a purple box), Projects, Wiki, Security, Insights, and Settings. On the left sidebar, under the 'Actions' section, 'Check Build' is selected and highlighted with a purple box. The main content area shows the 'Check Build' workflow, with a link to 'check-build.yaml'. Below this, it indicates '1 workflow run' is in progress. A specific run is listed as 'Fix path', triggered by 'Check Build #1: Commit 733377d pushed by demo-kopp'. A purple arrow points to this run entry.

demo-kopp / dante-2024

<> Code Issues Pull requests **Actions** Projects Wiki Security Insights S

Actions New workflow

All workflows

Workflows

Check Build

Management

Caches

Runners

Check Build
[check-build.yaml](#)

1 workflow run

- **Fix path**
Check Build #1: Commit [733377d](#) pushed by demo-kopp

Workflow läuft!

← Check Build

🟡 Fix path #1

🏠 Summary

Jobs


🟡 lfgw

Run details

🕒 Usage

📄 Workflow file

Triggered via push now

👤 demo-kopp pushed  733377d main

Status

In progress

Total duration

—

Artifacts

—

check-build.yaml

on: push

🟡 lfgw

39s

Workflow läuft!

demo-kopp / dante-2024

🔍 Type ↵ to search

>_

+ ▾

🕒

🔗

📧

🏠

<> Code

🕒 Issues

🔗 Pull requests

▶ Actions

📁 Projects

📖 Wiki

🛡 Security

📊 Insights

⚙ Settings

← Check Build

🟡 Fix path #1

Cancel workflow

⋮

🏠 Summary

Jobs

🟡 Ifgw

Run details

🕒 Usage

📄 Workflow file

Ifgw

Started 1m 4s ago

Beta

Give feedback

🔍 Search logs

⚙

> ✓ Set up job

1s

> ✓ Checkout

0s


> 🟡 Install TeX Live

1m 4s

○ Run lualatex main

○ Post Checkout

Alles grün!

 Summary

Jobs

 Ifgw







Run details

 Usage

 Workflow file

Ifgw

succeeded 7 minutes ago in 1m 17s

- >  Set up job
- >  Checkout
- >  Install TeX Live
- >  Run lualatex main
- >  Post Checkout
- >  Complete job

Zweiter Lauf

← Check Build

✓ Update check-build.yaml #2

🏠 Summary

Jobs

✓ check

Run details

🕒 Usage

📄 Workflow file

Triggered via push 1 minute ago

🔔 demo-kopp pushed 🔗 d2d2e99 main

check-build.yaml

on: push

✓ check

6s

Alles grün!

 **dante-2024** Public

 Pin

 Unwatch 1









 main ▾


 1 Branch


 0 Tags


 Add file ▾

 Code ▾

 demo-kopp Update check-build.yaml 	d2d2e99 · 2 minutes ago	 5 Commits
 .github/workflows	Update check-build.yaml	2 minutes ago
 .gitignore	Initial commit	31 minutes ago
 LICENSE	Initial commit	31 minutes ago
 README.md	Initial commit	31 minutes ago
 main.tex	Create main.tex	22 minutes ago

 README

 MIT license



dante-2024

„main“ soll grün bleiben → Pull Requests

dante-2024 / .github / workflows / in main

Edit

Preview



Code 55% faster with GitHub Copilot

Spaces

2

No wrap



```
1  name: Check Build
2
3  on:
4    push:
5      branches:
6        - main
7    pull_request:
8
9  jobs:
10    build:
11      runs-on: ubuntu-latest
12      name: check
13      steps:
14        - name: Checkout
15          uses: actions/checkout@v4
16        - name: Install TeX Live
17          uses: zauguin/install-texlive@v3
18          with:
19            packages: >
20              latex latex-bin scheme-basic koma-script luatexbase luatex
21        - run: lualatex main
22
```

„main“ soll grün bleiben → Pull Request stellen

Propose changes

Commit message

Update check-build.yaml

Extended description

Add an optional extended description..

☐ Commit directly to the main branch

☒ Create a new branch for this commit and start a pull request [Learn more about pull requests](#)





demo-kopp-patch-1

Cancel Propose changes

Pull Request stellen

Open a pull request

The change you just made was written to a new branch named `demo-kopp-patch-1`. Create a pull request below to propose these changes. [Learn more](#)

 base: main   compare: demo-kopp-patch-1  ✓ Able to merge. These branches can be automatically merged.













Add a title

Update check-build.yaml



Add a description

Write

Preview

H B I    |    |  @   


Add your description here...




 Markdown is supported  Paste, drop, or click to add files


Create pull request

Checks bei Pull Requests


Add check on pull requests #1



 Open demo-kopp wants to merge 1 commit into `main` from `demo-kopp-patch-1` 

 Conversation 0  Commits 1  Checks 0  Files changed 1


 demo-kopp commented now Owner ...


No description provided.




  Update `check-build.yaml` Verified ● 61f1a26


Add more commits by pushing to the `demo-kopp-patch-1` branch on `demo-kopp/dante-2024`.



 **Some checks haven't completed yet** Hide all checks

1 queued check

 Check Build / check (pull_request) Queued — Waiting to run this check... Details



 **This branch has no conflicts with the base branch**
Merging can be performed automatically.

Merge pull request ▾

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Check erfolgreich

Add check on pull requests #1


 Open demo-kopp wants to merge 1 commit into `main` from `demo-kopp-patch-1` 

Conversation 0

Commits 1

Checks 0


Files changed 1





demo-kopp commented now

Owner ...


No description provided.




  Update check-build.yaml

Verified ✓ 61f1a26

Add more commits by pushing to the `demo-kopp-patch-1` branch on `demo-kopp/dante-2024`.



 Require approval from specific reviewers before merging


[Rulesets](#) ensure specific people approve pull requests before they're merged.

Add rule ×

✓ All checks have passed

1 successful check

Hide all checks

✓  Check Build / check (pull_request)

Successful in 9s

Details

✓ This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request ▾

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Zwang zur Nutzung von Pull Requests I

demo-kopp / dante-2024

Search: Type to search

Navigation: <> Code Issues Pull requests 1 Actions Projects Wiki Security Insights 1 Settings

Left sidebar: General Access Collaborators Moderation options Code and automation 2 Branches Tags Rules Actions Webhooks Environments Codespaces Pages

Branch protection rules

You haven't protected any of your branches

Define a protected branch rule to disable force pushing, prevent branches from being deleted, and optionally require status checks before merging. [Learn more about protected branches](#)

3 Add branch protection rule

Zwang zur Nutzung von Pull Requests II

⚙️ General

Access

👤 Collaborators

🗨️ Moderation options

Code and automation

🔑 Branches

📁 Tags

📄 Rules

🕒 Actions

🔗 Webhooks

🏠 Environments

📄 Codespaces

📄 Pages

Security

🔍 Code security and analysis

🔑 Deploy keys

🔒 Secrets and variables

Integrations

📱 GitHub Apps

✉️ Email notifications

Branch protection rule

🔑 **Protect your most important branches**

[Branch protection rules](#) define whether collaborators can delete or force push to the branch and set requirements for any pushes to the branch, such as passing status checks or a linear commit history.

[Your GitHub Free plan](#) can only enforce rules on its public repositories, like this one.

Branch name pattern *

main

Protect matching branches

☒ **Require a pull request before merging**

When enabled, all commits must be made to a non-protected branch and submitted via a pull request before they can be merged into a branch that matches this rule.

☐ **Require approvals**

When enabled, pull requests targeting a matching branch require a number of approvals and no changes requested before they can be merged.

☐ **Dismiss stale pull request approvals when new commits are pushed**

New reviewable commits pushed to a matching branch will dismiss pull request review approvals.

☐ **Require review from Code Owners**

Require an approved review in pull requests including files with a designated code owner.

☐ **Require approval of the most recent reviewable push**

Whether the most recent reviewable push must be approved by someone other than the person who pushed it.

Zwang zur Nutzung von Pull Requests → Erforderliche Status-Prüfungen

☒ Require status checks to pass before merging

Choose which [status checks](#) must pass before branches can be merged into a branch that matches this rule. When enabled, commits must first be pushed to another branch, then merged or pushed directly to a branch that matches this rule after status checks have passed.

☐ Require branches to be up to date before merging

This ensures pull requests targeting a matching branch have been tested with the latest code. This setting will not take effect unless at least one status check is enabled (see below).

Q check

Status checks that are required.

check



GitHub Actions



„Schöne“ Historie

☒ Require linear history

Prevent merge commits from being pushed to matching branches.



[main] 11cead6 Initial commit - John Doe

[demo-dante-patch-1] bacc198 Improvement - Jor

[demo-dante-patch-1] 0ca553a Fix improvement -

[main] 69c2840 Merge branch `demo-dante-patch



[main] 7a5a03f Initial commit - John Doe

[demo-dante-patch-1] ea8dae1 Improvement -

[demo-dante-patch-1] 947dbb4 Fix improve

[main] 81b6fd3 Update check-build.yaml (#1) -

Branch wurde gelöscht

Resultat: Weitere Merge-Option

Add more commits by pushing to the [demo-kopp-patch-1](#) branch on [demo-kopp/dante-2024](#).



All checks have passed

1 successful check

[Show all checks](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.

Squash and merge



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Add more commits by pushing to the [demo-kopp-patch-1](#) branch on [demo-kopp/dante-2024](#).



All checks have passed

1 successful check

[Show all checks](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.

Squash and merge



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Resultat nach Klick



Pull request successfully merged and closed

You're all set—the `demo-kopp-patch-1` branch can be safely deleted.

[Delete branch](#)

demo-kopp deleted the `demo-kopp-patch-1` branch now

[Restore branch](#)

dante-2024

Public

[Pin](#)[Unwatch](#) 1

main ▾

1 Branch 0 Tags

Go to file

t

Add file ▾

<> Code ▾



demo-kopp Update check-build.yaml (#1)



6385c34 · 2 minutes ago

6 Commits

PDF verfügbar stellen

dante-2024 / .github / workflows / in main

Edit

Preview



Code 55% faster with GitHub Copilot

Spaces

2

No wrap



```
21     - name: Upload build artifacts
22       uses: actions/upload-artifact@v4
23       with:
24         path: main.pdf
25
26
```

An das Artefakt ran kommen

Add upload of build artifacts #2

Open demo-kopp wants to merge 1 commit into `main` from `demo-kopp-patch-1`

Conversation 0

Commits 1

Checks 1

Files changed 1

✓ Add upload of build artifacts 1ad86a0

Artifacts 1

✓ Check Build
on: pull_request

check Beta Give feedback
succeeded now in 11s

✓ check

> ✓ Set up job

Artifacts 1

Download artifacts


artifact 2.58 KB

Artefakt für User verlinken I


```
9 permissions:
10   contents: write
11
12 jobs:
13   build:
14     runs-on: ubuntu-latest
15     name: check
16     steps:
17       - name: Checkout
18         uses: actions/checkout@v4
19       - name: Install TeX Live
20         uses: zauguin/install-texlive@v3
21         with:
22           packages: >
23             latex latex-bin scheme-basic koma-script luatexbase luatex
24       - run: lualatex main
25       - name: Prepare build dir
26         run: |
27           mkdir build
28           cp main.pdf build/
```



```
33   - name: Upload to gh-pages branch
34     uses: crazy-max/ghaction-github-pages@v4
35     with:
36       target_branch: gh-pages
37       build_dir: build
38     env:
39       GITHUB_TOKEN: ${ secrets.GITHUB_TOKEN }
```

Artefakt für User verlinken II

 dante-2024 Public

Pin Unwatch 1


 gh-pages ▾


 3 Branches  0 Tags


t

Add file ▾

<> Code ▾

 github-actions[bot] Deploy to GitHub pages

ff6236f · now  1 Commits

 main.pdf

Deploy to GitHub pages

now

Artefakt für User verlinken III

The screenshot shows the GitHub Settings interface for a repository. The top navigation bar includes links for Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings (highlighted with a purple circle and the number 1). The left sidebar contains various settings categories: General, Access, Collaborators, Moderation options, Code and automation, Branches, Tags, Rules, Actions, Webhooks, Environments, Codespaces, and Pages (highlighted with a purple circle and the number 2). The main content area is titled 'GitHub Pages' and includes a description: 'GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.' Below this, the 'Build and deployment' section is expanded, showing the 'Source' dropdown menu (highlighted with a purple circle and the number 3) set to 'Deploy from a branch'. The 'Branch' section is also expanded, showing the 'gh-pages' branch (highlighted with a purple circle and the number 4) and the root directory '/' (root) (highlighted with a purple circle and the number 5). The 'Save' button is also highlighted with a purple circle and the number 5. The 'Visibility' section is partially visible at the bottom, showing a 'GITHUB ENTERPRISE' button.

Issues Pull requests 1 Actions Projects Wiki Security Insights Settings 1

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

2 Pages

GitHub Pages

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

Build and deployment

Source

Deploy from a branch 3

Branch

Make a commit to the `gh-pages` branch to publish your GitHub Pages site. [Learn more about the deployment process](#).

4 gh-pages / (root) 5 Save

Visibility

GITHUB ENTERPRISE

With a GitHub Enterprise account, you can restrict access to your GitHub Pages site.

Artefakt für User verlinken IV

- ... ein bißchen mehr Arbeit -> neuer Commit, damit es live ist
 - z.B. „workflow_dispatch:“ als Trigger

GitHub Pages

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at <https://demo-kopp.github.io/dante-2024/>

Last [deployed](#) by  [github-pages\[bot\]](#) now

 Visit site

...

404

File not found

The site configured at this address does not contain the requested file.

If this is your site, make sure that the filename case matches the URL as well as any file permissions.

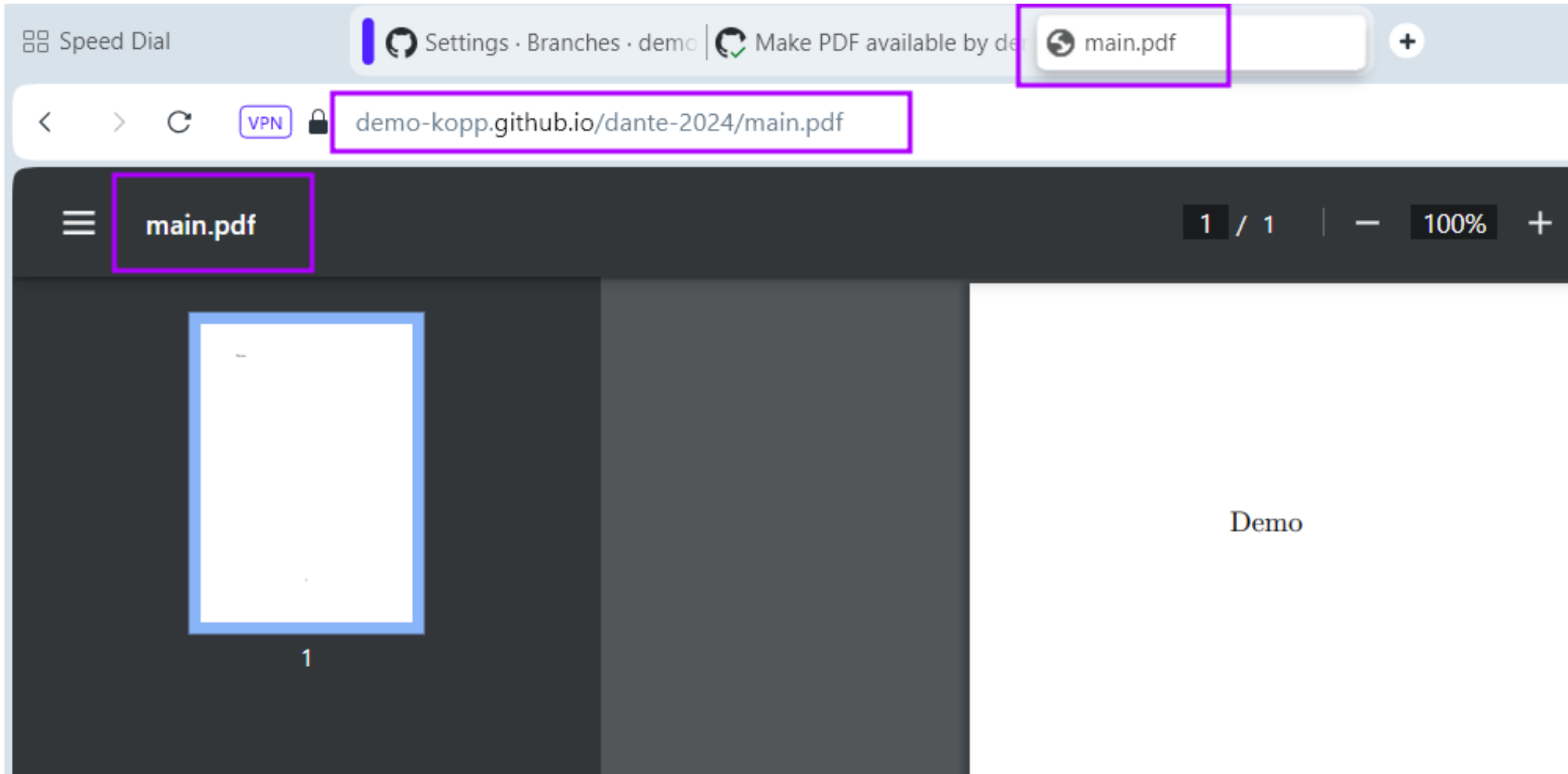
For root URLs (like <http://example.com/>) you must provide an `index.html` file.

[Read the full documentation](#) for more information about using GitHub Pages.

GitHub Status — @githubstatus

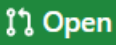







PDF ist live





PDF aus README.md verlinken I


Make PDF available #3


 Open demo-kopp wants to merge 2 commits into `main` from `demo-kopp-patch-1` 


 Conversation 0  Commits 2  Checks 1  Files changed 1


 demo-kopp commented 8 minutes ago


 demo-kopp-patch-1 3 Branches 0 Tags






Go to file 



Add file 


 Code

This branch is 2 commits ahead of `main`.  #3

 demo-kopp Enable manual triggering ✓ ee0ddd2 · 4 minutes ago 9 Commits

 .github/workflows	Enable manual triggering	4 minutes ago
 .gitignore	Initial commit	2 hours ago
 LICENSE	Initial commit	2 hours ago
 README.md	Initial commit	2 hours ago
 main.tex	Create main.tex	2 hours ago

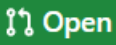

 README  License








dante-2024



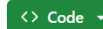
PDF aus README.md verlinken II


Make PDF available #3


 Open demo-kopp wants to merge 2 commits into `main` from `demo-kopp-patch-1` 






 Conversation 0  Commits 2  Checks 1  Files changed 1




 demo-kopp commented 8 minutes ago

 demo-kopp-patch-1 3 Branches 0 Tags  

This branch is 2 commits ahead of `main`.  #3

 demo-kopp Enable manual triggering ✓ ee0ddd2 · 4 minutes ago 9 Commits

 .github/workflows	Enable manual triggering	4 minutes ago
 .gitignore	Initial commit	2 hours ago
 LICENSE	Initial commit	2 hours ago
 README.md	Initial commit	2 hours ago
 main.tex	Create main.tex	2 hours ago

 README  License 


dante-2024

PDF aus README.md verlinken III

dante-2024 / README.md in demo-kopp-patch-1

Edit

Preview

 Code 55% faster with GitHub Copilot

```
1 # dante-2024
2
3 PDF: <https://demo-kopp.github.io/dante-2024/main.pdf>
4
```

 README  License



dante-2024

PDF: <https://demo-kopp.github.io/dante-2024/main.pdf>

Nur erstellen, wenn auf „main“

if: >

```
(github.repository == 'demo-kopp/dante-2024') &  
(github.ref == 'refs/heads/main')
```

check

succeeded now in 13s

- > ✓ Set up job
- > ✓ Checkout
- > ✓ Install TeX Live
- > ✓ Run lualatex main
- > ✓ Prepare build dir
- > ✓ Upload build artifats
- ⌚ Upload to gh-pages branch
- > ✓ Post Checkout
- > ✓ Complete job

texlogsieve zur Herausarbeitung von wichtigen Log-Nachrichten

✓ Run texlogsieve --no-heartbeat main.log

```
1 ▶ Run texlogsieve --no-heartbeat main.log
```

```
4 -----
```

```
5 From file /home/runner/texlive/texmf-dist/tex/latex/koma-script/scrbase.sty:
```

```
6 pg 1: Applying: [2021/05/01] Usage of raw or classic option list on input line 252.
```

```
7 pg 1: Already applied: [0000/00/00] Usage of raw or classic option list on input line
```

```
8 pg 1: 368.
```

```
9
```

```
10 After last page:
```

```
11
```

```
12 -----
```

```
13 From file ./main.tex:
```

```
14 *****
```

Zusammenfassung und Ausblick

- GitHub zur Versionskontrolle
- GitHub Actions zum Kompilieren der Dokumente
- Hausaufgaben
 - Durcharbeiten von <https://lostechies.com/joshuaflanagan/2010/09/03/use-gitk-to-understand-git/>
 - Eigenes LaTeX-Projekt auf GitHub mit Check versehen
 - Beitrag („Pull Request“) zu <https://github.com/dante-ev/l2kurz> leisten
- Weiterführendes (bezogen auf git)
 - Interaktive Simulation von git: <https://github.com/initialcommit-com/git-sim>
 - Curated list of amazingly awesome Git tools, resources and shiny things: <https://github.com/dictcp/awesome-git>

Appendix

Moderne Action für gh-pages

- name: Upload artifact
 - uses: actions/upload-pages-artifact@v3
 - with:
 - path: main.pdf

- <https://github.com/thomas-hilarius-meyer/LaTeX-fuer-Geisteswissenschaftler/actions>
- <https://github.com/thomas-hilarius-meyer/LaTeX-fuer-Geisteswissenschaftler/blob/master/.github/workflows/check-build.yml>

Git Installationstipps

■ Tool: git

- Ubuntu: `sudo apt-get install git git-gui gitk`
- macOS: `brew update && brew install git && brew install git-gui`
- Windows: `choco install git.install -y --params "/GitAndUnixToolsOnPath /WindowsTerminal /WindowsTerminalProfile /Editor:VisualStudioCode"`

Some git tweaks

```
rem always have Linux line endings in text files
git config --global core.autocrlf input
rem support more than 260 characters on Windows
rem See https://stackoverflow.com/a/22575737/873282 for details
git config --global core.longpaths true
rem some color and diff tweaks
rem Use SVN's ||| also in git - and remove matching lines in the conflict region
rem See https://git-scm.com/docs/git-config#Documentation/git-config.txt-mergeconflictStyle
for details
git config --global merge.configStyle "zdiff3"
rem Always push to the branch we pulled from
rem See https://git-scm.com/docs/git-config#Documentation/git-config.txt-pushdefault for
details
git config --global push.default current
rem Source: https://stackoverflow.com/a/72401899/873282
git config --global push.autoSetupRemote true
rem Colors in output
rem Source: https://unix.stackexchange.com/a/44297/18033
git config --global color.ui auto
rem Sort branches at "git branch -v" by committer date
git config --global branch.sort -committerdate
rem tabs are 4 spaces wide
git config --global gui.tabsize 4
```

Source: <https://github.com/koppor/koppors-chocolatey-scripts/blob/main/install.bat>