

# Verlässliche Echtzeitsysteme

Übungen zur Vorlesung

Aufgabenbearbeitung

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Wintersemester 2021



# Arbeitsrepository erstellen (I)

The screenshot shows the GitLab web interface for a project named 'group42'. The top navigation bar includes the GitLab logo, 'Projects', 'Groups', and 'More' menus, along with a search bar and utility icons. The left sidebar contains a navigation menu with options like 'Project overview', 'Details', 'Activity', 'Releases', 'Repository', 'Issues', 'Merge Requests', 'CI / CD', 'Operations', 'Packages & Registries', 'Analytics', 'Wiki', 'Snippets', 'Members', and 'Settings'. The main content area displays the project details for 'group42' (Project ID: 11440), including statistics for commits, branches, tags, files, and storage. A prominent 'Auto DevOps' notification box is visible, explaining that it will automatically build, test, and deploy applications based on predefined CI/CD configurations. Below this, there are buttons for 'Enable in settings' and 'Clone'. The 'Add 06\_Analyse' commit by Simon Schuster is highlighted, with a commit hash of 2f12ee0f6. A table of recent commits is shown, listing the commit name, the last commit message, and the last update date. At the bottom, there is a section for the 'README.md' file.

GitLab Projects Groups More

Search or jump to...

group42

Project overview  
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Releases

Repository  
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group42 Details

group42 Project ID: 11440

64 Commits 2 Branches 0 Tags 543 KB Files 543 KB Storage

**Auto DevOps**  
It will automatically build, test, and deploy your application based on a predefined CI/CD configuration.  
Learn more in the [Auto DevOps documentation](#)  
Enable in settings

master group42 / +

History Find file Web IDE Clone

**Add 06\_Analyse**  
Simon Schuster authored 4 months ago 2f12ee0f6

README Add LICENSE Add CHANGELOG Add CONTRIBUTING Add Kubernetes cluster Set up CI/CD

Name	Last commit	Last update
01_git	add git usage instructions	6 months ago
02_filter	02_filter: use correct initialization function in testcase	6 months ago
03_TMR	03_TMR: correct test values	5 months ago
04_EAN	04_EAN: Correct signature of CoRedVote from enc_t1 to sig_t1	4 months ago
05_Testen	05_Testen: Add answers.md file	5 months ago
06_Analyse	Add 06_Analyse	4 months ago
README.md	no ascii art needs formatting	3 years ago

README.md

« Collapse sidebar

# Arbeitsrepository erstellen (II)

GitLab Projects Groups More

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e2s > DemoSemester > group42 > Fork project

## Fork project

A fork is a copy of a project. Forking a repository allows you to make changes without affecting the original project.

Select a namespace for fork the project

S

Nullus Minimax

Select

Groups and subgroups

« Collapse sidebar



# Arbeitsrepository erstellen (III)

The screenshot shows the GitLab web interface. At the top, the GitLab logo is on the left, followed by navigation links for 'Projects', 'Groups', and 'More'. A search bar is on the right. Below the navigation, the breadcrumb path is 'Nullus Minimax > group42 > Forking in progress'. The main content area displays a large orange circle icon followed by the text 'Forking in progress' and a sub-message: 'Please wait while we import the repository for you. Refresh at will.' On the left side, there is a sidebar with a 'G group42' header and a list of navigation items: 'Project overview', 'Issues' (with a '0' badge), 'Merge Requests' (with a '0' badge), 'CI / CD', 'Operations', 'Packages & Registries', 'Analytics', 'Wiki', 'Snippets', 'Members', and 'Settings'. At the bottom of the sidebar, there is a 'Collapse sidebar' button.



# Arbeitsrepository clonen

The screenshot shows the GitLab web interface for a repository named 'group42'. The sidebar on the left contains navigation links: Project overview, Details, Activity, Releases, Repository, Issues (0), Merge Requests (0), CI / CD, Operations, Packages & Registries, Analytics, Wiki, Snippets, Members, and Settings. The main content area displays the repository name 'group42' with Project ID 11445, 64 Commits, 2 Branches, 0 Tags, 553 KB Files, and 553 KB Storage. It is forked from 'ezs / DemoSemester / group42'. A notification states 'You pushed to aufgabe1 at Nullus Minimax / group42 24 minutes ago' with a 'Create merge request' button. An 'Auto DevOps' banner is visible, along with a 'Clone with SSH' dialog box that highlights the SSH URL 'git@gitlab.cs.fau.de:fo21q1'. Below the dialog, there are buttons for 'Clone with HTTPS' and 'Clone with SSH', and a table with columns 'Name', 'Last commit', and 'Last update'.

group42  
Project ID: 11445

64 Commits | 2 Branches | 0 Tags | 553 KB Files | 553 KB Storage

Forked from ezs / DemoSemester / group42

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Enable in settings

master group42 / +

History Find file Web IDE Clone

Clone with SSH  
git@gitlab.cs.fau.de:fo21q1

Clone with HTTPS  
https://gitlab.cs.fau.de/fo2

Name	Last commit	Last update

# Neuen Branch für Abgabe erstellen

```
student@host:~/vezs2020 %git clone git@gitlab.cs.fau.de:student/group42.git
Cloning into 'group42'...
remote: Enumerating objects: 321, done.
remote: Counting objects: 100% (321/321), done.
remote: Compressing objects: 100% (132/132), done.
remote: Total 321 (delta 162), reused 315 (delta 160), pack-reused 0
Receiving objects: 100% (321/321), 110.65 KiB | 1.38 MiB/s, done.
Resolving deltas: 100% (162/162), done.
student@host: /vezs2020 %cd group42
student@host:~/vezs2020/group42 %git checkout -b aufgabe2
Switched to a new branch 'aufgabe2'
student@host:~/vezs2020/group42 %git push --set-upstream origin aufgabe2
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: To create a merge request for aufgabe2, visit:
remote:   https://gitlab.cs.fau.de/student/group42/-/merge\_requests/new?merge\_request%5Bsource\_branch%5D=aufgabe2
remote:
To gitlab.cs.fau.de:student/group42.git
* [new branch]      aufgabe2 -> aufgabe2
Branch 'aufgabe2' set up to track remote branch 'aufgabe2' from 'origin'.
```

⇒ **eigener Branch pro Aufgabenblatt**



# Abgabe per Merge Request (I)

GitLab Projects Groups More

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group42

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Releases

Repository

Issues 0

**Merge Requests 0**

CI / CD

Operations

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Members

Settings

Nullus Minimax / group42 Details

You pushed to `ae7gabe1` at Nullus Minimax / group42 24 minutes ago [Create merge request](#)

group42 Project ID: 11445

64 Commits 2 Branches 0 Tags 553 KB Files 553 KB Storage

Forked from `ezs / DemoSemester / group42`

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[Enable in settings](#)

master group42 / +

History Find file Web IDE Clone

README Add LICENSE Add CHANGELOG Add CONTRIBUTING Add Kubernetes cluster Set up CI/CD

Name	Last commit	Last update

Collapse sidebar

⇒ muss im **geforkten Arbeitsrepository** erfolgen

# Abgabe per Merge Request (II)

GitLab Projects Groups More

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group42

Project overview

Repository

Issues 0

Merge Requests 0

CI / CD

Operations

Packages & Registries

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Nalus Minimax group42 Merge Requests

You pushed to `asfgabe1` 24 minutes ago

Create merge request

Merge requests are a place to propose changes you've made to a project and discuss those changes with others

Interested parties can even contribute by pushing commits if they want to.

New merge request



# Abgabe per Merge Request (III)

GitLab Projects ▾ Groups ▾ More ▾ Search or jump to

group42

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Nullus Minimax ▸ group42 ▸ Merge Requests ▸ New

### New Merge Request

Source branch

student/group42 **aufgabe1**

Target branch

ezs/demosemester/group42 **aufgabe1**

**Compare branches and continue**

Add 06\_Analyse  
Nullus Minimax authored 4 months ago  
2f62e0f6

Source: Arbeitsrepository  
Target: Abgaberepository

# Abgabe per Merge Request (IV)

GitLab Projects Groups More

Nulfus Minimax > group42 > Merge Requests > New

## New Merge Request

From `student/group42:aufgabe1` into `ezs/demosenester/group42:aufgabe1` [Change branches](#)

**Title**

Start the title with [Draft:](#) or [WIP:](#) to prevent a merge request that is a work in progress from being merged before it's ready. Add [description templates](#) to help your contributors communicate effectively!

**Description**  **B I U Y </> 🔗 📄 📄 📄 📄 📄 📄 📄 📄**

Hier meine Abgabe. Bei Teilaufgabe 2 bin ich mir jedoch leider unsicher.

Markdown and quick actions are supported [Attach a file](#)

**Assignee**  [Assign to me](#)

**Milestone**

**Labels**

**Merge options**  Delete source branch when merge request is accepted.  
 Squash commits when merge request is accepted. [🔗](#)

**Contribution**  Allow commits from members who can merge to the target branch. [About this feature](#)  
Not available for private projects

Commits 1 Changes 0

« Collapse sidebar