

Fundamentos de DevOps

ADO 01 - Integração Gitlab + Jira

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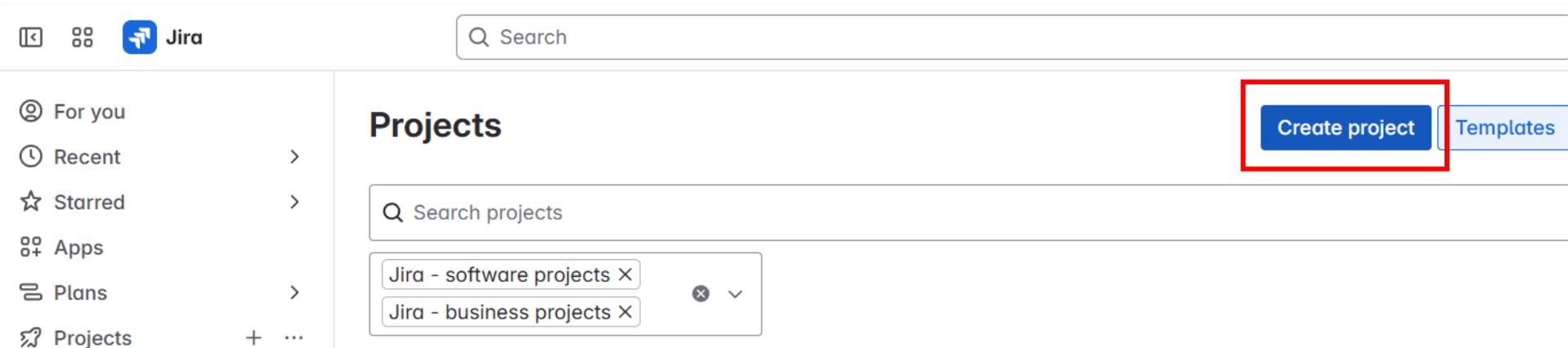
 [linkedin.com/in/guijac](https://www.linkedin.com/in/guijac)

ADO 01 - Integração Gitlab + Jira

- Em grupos, criar um projeto/repositório no **Gitlab** e um projeto/board no **Jira** com integração entre as ferramentas;
- Realize o **push** do arquivo README.md alterado, através do terminal, **vinculando-o à um card no Jira**;
- Incluir meu usuário como “**developer**” em seu Gitlab e como “Administrator” em seu board do Jira (guilherme.jacruz@sp.senac.br);
- **Dinâmica sugerida:** dividir o grupo em desenvolvimento (Dev) e Operações (Ops), definir também uma pessoa para gestão das tarefas no Jira;
- Postar no Blackboard os *links* para acesso ao repositório e ao *board*;
- Critérios de Aceite:
 - Repositório no Gitlab (2.0);
 - Board no Jira (2.0);
 - Arquivo README.md alterado (3.0);
 - Card do Jira com mensagem do commit realizado no Gitlab (3.0);
- **Entrega até 07/03/2025 às 23h59;**
- Qualquer dúvida podem me chamar!

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- Dentro do Jira, crie um novo projeto, anotando a chave criada para o mesmo:



The screenshot displays the Jira interface. On the left is a navigation sidebar with options: 'For you', 'Recent', 'Starred', 'Apps', 'Plans', and 'Projects'. The main content area is titled 'Projects' and features a search bar labeled 'Search projects'. Below the search bar, there are two project tags: 'Jira - software projects' and 'Jira - business projects'. In the top right corner of the main area, there is a blue button labeled 'Create project' which is highlighted with a red rectangular box. To its right is a light blue button labeled 'Templates'. At the top of the main area, there is a search bar labeled 'Search'.

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- Dentro do Jira, crie um novo projeto, anotando a chave criada para o mesmo:

The image shows a two-step process for creating a project in Jira. On the left, the 'Project templates' sidebar is visible, with 'Made for you' selected. The main area displays a 'Board' and a 'Project management' template, which is highlighted with a red box. A blue arrow points from this template to the 'Create project' form on the right. In the form, the 'Name' field is set to 'ADO'. The 'Template' dropdown is set to 'Project management' (Jira). The 'Project type' dropdown is set to 'Team-managed'. The 'Key' field is also set to 'ADO' and is highlighted with a red box.

Project templates

Made for you

Templates for you based on how similar teams work.

Board

Project management LAST CREATED

Manage activities for completing a business project.

Create project

Explore what's possible when you collaborate with your team. Edit project details anytime in project settings.

Required fields are marked with an asterisk *

Name *

ADO

Template More templates

Project management

Jira

Manage activities for completing a business project.

Show less

Project type

Team-managed

Key *

ADO

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- Dentro do seu projeto recém configurado no Jira, crie uma nova tarefa (e.g “Criação do README.md”);
- Mantenha o “*board*” desta forma, daremos sequência no Gitlab.

The screenshot displays the Jira interface for project ADO-01. The main area shows a Kanban board with three columns: 'TO DO' (1 item), 'IN PROGRESS' (0 items), and 'DONE' (0 items). The 'TO DO' column is highlighted with a red box and contains a task named 'Edição do README.md' with a checkbox for 'ADO1-1' checked. The 'IN PROGRESS' and 'DONE' columns also have '+ Create' buttons. The left sidebar shows navigation options like 'For you', 'Recent', 'Starred', 'Apps', 'Plans', 'Projects', and 'Recent'.

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- Conecte o Gitlab com sua conta Atlassian:
 - <https://marketplace.atlassian.com/apps/1221011/gitlab-com-for-jira-cloud?tab=overview&hosting=cloud>
 - Clicar em “*get it now*” para iniciar a integração e realize o login pelo “Gitlab SaaS”;
 - Por fim, clicar em “*get started*”, para autorizar o acesso ao Gitlab, vinculando o grupo criado no Gitlab ao Jira:

Welcome to GitLab for Jira

Sign in to GitLab to link namespaces.

What version of GitLab are you using?

- GitLab.com (SaaS)
Most common
- GitLab (self-managed)

Are you a Jira administrator?

To complete the setup, you must meet [certain user requirements](#) in Jira.

Save

Authorize GitLab for Jira App to use your account?

An application called GitLab for Jira App is requesting access to your GitLab account. Please note that this application is not provided by GitLab and you should verify its authenticity before allowing access.

This application will be able to:

- **Access the authenticated user's API**
Grants complete read/write access to the API, including all groups and projects, the container registry, and the package registry.

Deny Authorize

Link groups

Search groups

Not seeing your groups? Only groups you have at least the Maintainer role for appear here.

Git Command Tests Link

Cancel

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- Crie uma API Token* Atlassian:
 - <https://id.atlassian.com/manage-profile/security/api-tokens>;
 - Dê um nome e copie a API Token gerada;
 - **Você não poderá recuperar a API Token após esta etapa, armazene-a em segurança.**

Create an API token

Choose a label that is short, memorable, and easy for you to remember.

Label *

my-api-token

By creating an API token, you agree to the [Atlassian Developer Terms](#) and acknowledge the [Privacy Policy](#).

Cancel

Create

Copy your API token

Copy your API token and save it somewhere safe. You can't recover the API token after you're done with this step.

API token

..... 

 Copy

✓ API token copied to clipboard

Done

* Uma API Token é uma credencial para o Gitlab acessar o Jira via API.

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- No **Gitlab**, a partir do **projeto** criado, configure a **integração** “Jira issues”, acessando o menu “Settings” > “Integrations”, certifique-se que os campos em destaques estão corretamente preenchidos.

The screenshot shows the GitLab interface for configuring the Jira issues integration. The left sidebar shows the navigation menu with 'Settings' and 'Integrations' highlighted. The main content area is titled 'Jira issues' and shows the 'Connection details' section. A blue arrow points from the 'Web URL' field to the 'Trigger' section.

Connection details

You must configure Jira before enabling this integration. [Learn more](#)

Enable integration

- Active

Web URL

Base URL of the Jira instance

Jira API URL

If different from the Web URL

Authentication method

- Basic
- Jira personal access token
Recommended. Only available for Jira Data Center and Jira Server

Email or username

Email for Jira Cloud or username for Jira Data Center and Jira Server

Connection details

Email for Jira Cloud or username for Jira Data Center and Jira Server

New API token or password

Leave blank to use your current configuration

Trigger

When a Jira issue is mentioned in a commit or merge request, a remote link and comment (if enabled) will be created.

- Commit
- Merge request

Comment settings:

- Enable comments

Comment detail:

- Standard
Includes commit title and branch.
- All details
Includes Standard, plus the entire commit message, commit hash, and issue IDs

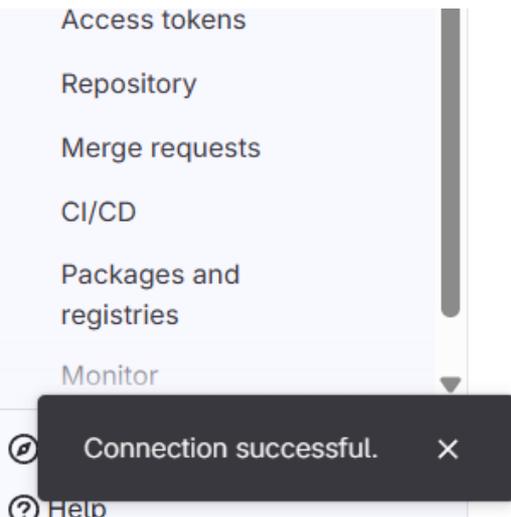
Transition Jira issues to their final state:

- Enable Jira transitions

- Move to Done
Automatically transitions Jira issues to the "Done" category. [Learn more](#)
- Use custom transitions
Set a custom final state by using transition IDs. [Learn about transition IDs](#)

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- Valide a integração clicando em “*test settings*”, caso ocorra algum erro, revise os passos anteriores ou peça minha ajuda! 😊



Jira issues for vulnerabilities (optional) Ultimate

Create Jira issues from GitLab to track any action taken to resolve or mitigate vulnerabilities.

- Create Jira issues for vulnerabilities
Create only Jira issues for vulnerabilities in this project even if you've enabled GitLab issues.

Save changes

Test settings

Cancel

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- Realize o clone do projeto criado (através do comando “git clone” ou mesmo através do botão “Code” > “Visual Studio Code (HTTPS)”

The screenshot shows the GitLab interface for a repository named 'ADO-01'. At the top, there's a navigation bar with 'main' selected, 'ado-01 / +', 'Find file', 'Edit', and a 'Code' button. The 'Code' button is highlighted with a red box. Below it, a dropdown menu is open, showing options for cloning and opening in an IDE. The 'Visual Studio Code (HTTPS)' option is highlighted with a red box. The main content area shows a commit by Guilherme Cruz with the message '[ADO1-1] finalizei a tarefa!'. Below that is a table of files with columns 'Name' and 'Last commit'. The 'README.md' file is listed. Below the table is the content of the README.md file, which includes the title 'ADO-01', a description 'Alterei pela quinta vez o README.md', and a section 'Getting started' with introductory text.

ADO-01

[ADO1-1] finalizei a tarefa!
Guilherme Cruz authored 4 weeks ago

Name	Last commit
README.md	[ADO1-1] finalizei a tarefa!

README.md

ADO-01

Alterei pela quinta vez o README.md

Getting started

To make it easy for you to get started with GitLab, here's a list of recommend

Already a pro? Just edit this README.md and make it your own. Want to make

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- Certifique-se que o clone ocorreu corretamente através do comando “**git status**”:

```
PS C:\Users\Guilherme\workspace\git-tests> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

- Realize quaisquer alterações no arquivo “README.md” criado, salve-as e faça o *commit* do arquivo, observando a regra dos “[smarts commits](#)”:

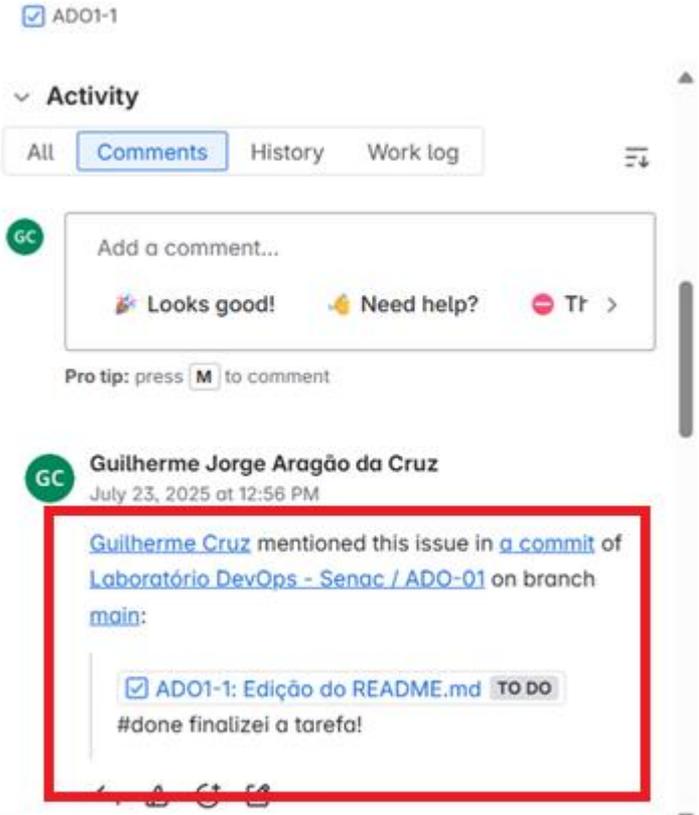
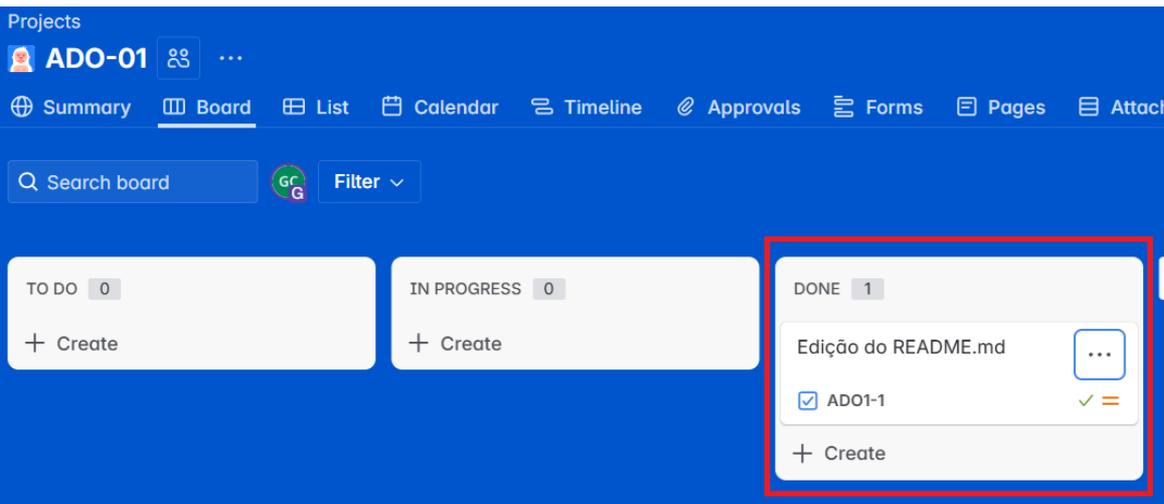
```
<ignored text> <ISSUE_KEY> <ignored text> #<COMMAND> <optional COMMAND_ARGUMENTS>
```

- Ou seja, necessário citar a chave da sua tarefa no Jira, bem como um comando para finalizá-la:

```
PS C:\Users\Guilherme\workspace\git-tests> git commit -m "[ADO-01] #done concluindo minha tarefa"
```

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- Dentro do “board” do Jira note que o “card” foi movimentado para a raia “done” e o comentário do “commit” é exibido na aba de comentários:



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- Por fim, não se esqueça de incluir meu usuário como “developer” em seu Gitlab e como “Administrator” em seu board do Jira (guilherme.jacruz@senacsp.edu.br):

The screenshot shows the GitLab interface for the 'ADO-01' project. The 'Project members' page is active, and the 'Invite members' button is highlighted in red. A modal window titled 'Invite members' is open, showing the following details:

- Username, name or email address:** guilherme.jacruz@sp.senac.br
- Select maximum role:** Developer
- Access expiration date (optional):** YYYY-MM-DD
- Buttons:** Cancel and Invite (highlighted in red)

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- Por fim, não se esqueça de incluir meu usuário como “developer” em seu Gitlab e como “Administrator” em seu board do Jira (guilherme.jacruz@senacsp.edu.br):

The screenshot shows the Jira interface for project ADO-01. A red box highlights the three-dot menu icon next to the project name. Another red box highlights the 'Add people' option in the dropdown menu. A third red box highlights the 'Add' button at the bottom right of the 'Add people to ADO-01' dialog box. The dialog box contains a text input field with the email address 'guilherme.jacruz@sp.senac.br', a list of suggested email addresses, and a dropdown menu for selecting a role, currently set to 'Administrator'. There are also buttons for 'Google', 'Slack', and 'Microsoft' integration, and a 'Cancel' button.

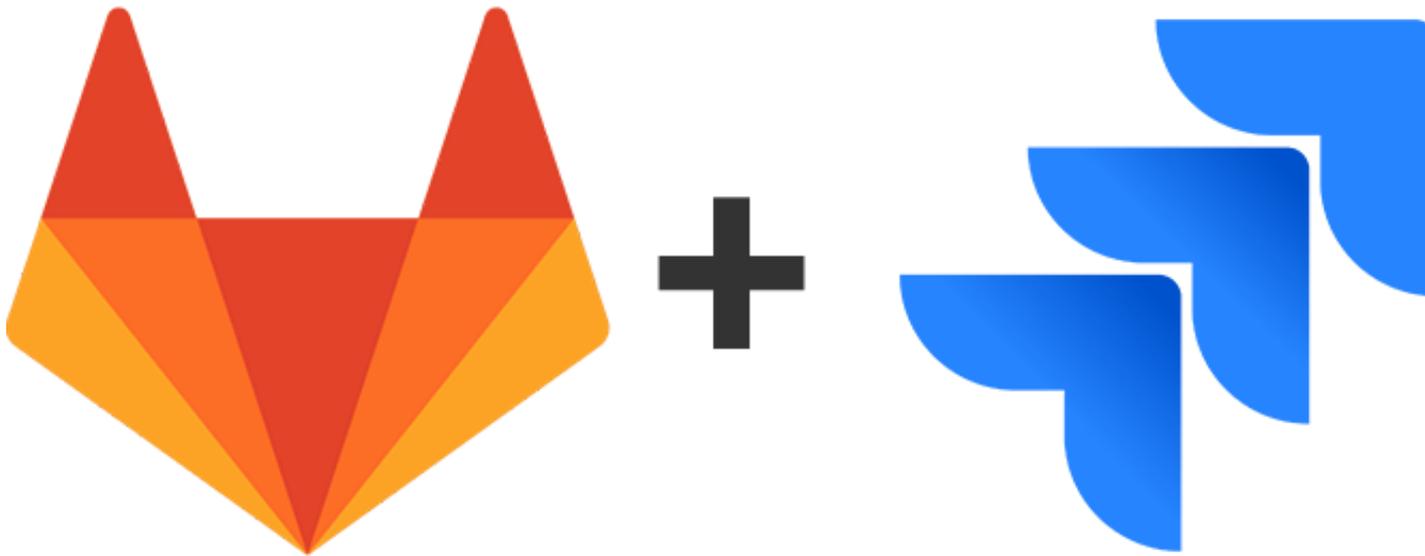
Referências Bibliográficas

ATLASSIAN. **Integrate GitLab with Jira**. Disponível em <https://support.atlassian.com/jira-cloud-administration/docs/integrate-gitlab-with-jira/>. Acesso em 24 jun 2025;

ATLASSIAN. **Process work items with smart commits**. Disponível em <https://support.atlassian.com/jira-software-cloud/docs/process-issues-with-smart-commits/>. Acesso em 23 jul 2025;

GITLAB. **Jira issues integration**. Disponível em <https://docs.gitlab.com/integration/jira/configure/>. Acesso em 24 jun 2025.

ADO entregue? Bora explorar os exercícios pendentos!



Fonte: [Atlassian Jira no X](#)

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