

Lab for students


- Jira Setup
- Bitbucket setup
- Importing new repository into Bitbucket
- Assigning Jira project with Bitbucket repository
- Creating merge request from Jira

Jira Setup

In this part you'll need to setup Jira Server. To do this, you should go to `http://<SERVER_IP>:8080`, and press button "I'll set it up myself". We will use built-in DB and trial license. Try to finish installation by yourself, if you have problems, please, try to find an answer on screenshots.


JIRA setup

🌐 Language



Set it up for me

This is the quick setup for **demonstration** and **evaluation environments**. We'll do most of the JIRA configuration for you, but you **need to be online with a working internet connection** so we can help you generate a JIRA trial license at [MyAtlassian](#). You can change the configuration later if you need to.



I'll set it up myself

Set up and configure your JIRA instance manually. This is recommended for **production environments**, or if you don't have a working internet connection.

Please make sure cookies are enabled before continuing.

Next

Database setup

Database Connection

☒ Built In (for evaluation or demonstration)

☐ My Own Database (recommended for production environments)

Built in database can be [migrated](#) to a database of your own later.

Learn more about [connecting JIRA to a database](#).

Next

Specify your license key

You need a license key to set up JIRA. Enter your license key or generate a new license key below. You need an account at [MyAtlassian](#) to generate a license key.

Please enter your license key

Server ID **BNMF-F83V-6ENJ-TFDI**

Your License Key

or [generate a JIRA trial license](#) at MyAtlassian

Next

Product **JIRA Software**

License type

JIRA Software (Server)	JIRA Software (Data Center)
<ul style="list-style-type: none">• Manage the entire application on your own servers or virtual machines.• Deployable to a single server.	<p>Everything with server plus:</p> <ul style="list-style-type: none">• Active-active clustering for true high availability and uninterrupted access.• High performance under high load and at peak times• Disaster recovery.
<input checked="" type="radio"/>	<input type="radio"/>

Organization

Your instance is: ☒ up and running
☐ not installed yet

Server ID

Please note we only provide evaluation support for 90 days per product.

By clicking here you accept the [Atlassian Customer Agreement](#).

Set up application properties

Existing data? You can [import your data](#) from another installed or hosted JIRA server instead of completing this setup process.

Application Title

The name of this installation.

Mode ☒ Private

Only administrators can create new users.

☐ Public

Anyone can sign up to create issues.

Base URL

The base URL for this installation of JIRA.

All links created will be prefixed by this URL.

Next

Set up administrator account

Enter details for the administrator account. You can add more administrators after setup.

Full name

Email Address

Username

Password

Confirm Password

Next

Set up email notifications

Configure a connection to an outgoing mail server so that JIRA can send email notifications. You can configure a mail server now or after you have set up JIRA.

Configure Email Notifications ☒ Later ☐ Now

Finish

Create project with sample data

SOFTWARE



Scrum software development

Agile development with a board, sprints and stories. Connects with source and build tools.



Kanban software development

Optimise development flow with a board. Connects with source and build tools.

BUSINESS



Project management

Simple project management demo data to

Next

Cancel

Kanban software development

Name

Max. 80 characters.

Key ?

Max. 10 characters.

Kanban software development

You are creating a project for a Kanban team. You may want to name this project after the team that will use it (e.g. Bug Fix, Devops).

Back

Submit

Cancel

Bitbucket setup

Bitbucket setup is similar to one used by Jira Server. Go to http://<SERVER_IP>:7990, and try to finish it. We will use internal DB and trial license. Again, you have all info on screenshots. Just be careful when connecting to Jira instance. Jira Server address is the one from previous step.

Bitbucket setup

Welcome

Language English (United States) ▼

Database ☒ Internal

For evaluation and demo purposes only.

☐ External

Recommended for production use. See our [documentation](#) for more information.

Next

Bitbucket setup

Licensing and settings

Application title*

Base URL*

All links created by Bitbucket (for emails, etc.) will be prefixed by this URL

Server ID **B263-NCH1-4I4E-KFLA**

License key* ☒ I need an evaluation license
☐ I have a Bitbucket license key

Generate license

Log in to your existing Atlassian account, or create a new one

Product

Bitbucket

License type

Bitbucket (Server)

- Manage the entire application on your own servers or virtual machines.
- Deployable to a single server.

Bitbucket (Data Center)

Everything with server plus:

- Active-active clustering for true high availability and uninterrupted access.
- High performance under high load and at peak times
- Disaster recovery.

Organization

Lab

Your instance is:

☒ up and running
 ☐ not installed yet

Server ID

B263-NCH1-6HE-KFLA

Please note we only provide evaluation support for 90 days per product.

By clicking here you accept the [Atlassian Customer Agreement](#).

Generate License

Cancel

Bitbucket setup

Jira integration

Use Jira as a central server for user management or connect your issues and commits simply by adding issue keys to your commit messages.

- Automatically import all your Jira users.
- See what code changes are related to a specific Jira issue.
- Quickly navigate to Jira issues that are linked to commits.
- Keep track of bug fixes.

Create Jira connection

Jira base URL

https://54.90.122.167:8080

For example: http://3-s.atlassian.com

Jira administrator username

admin

This user must have system administrator rights in Jira.

Jira password

.....

The Jira user's password.

Bitbucket base URL

https://54.90.122.167:7990

Jira will access Bitbucket from this URL.

Using Jira as my user database

If you have Jira 4.3 or later, Bitbucket can use Jira for user management. This is not recommended for more than 600 users. [Learn more about Jira user management](#).

☒ Use Jira as my user database

Connect

Skip

Bitbucket setup

Administrator account setup

Username

admin

Full name

Lab User

Email address

lab@example.com

Password

.....

Confirm password

.....

Integrate with Jira


Go to Bitbucket

Importing new repository into Bitbucket


- Create new Bitbucket project. Choose any name and key.
- You have choice to either import the repository or create a new blank one.
- Import <https://github.com/devslopes-learn/simple-express-server.git>. To accomplish this you'll need to choose Git and paste the url. Leave login and password blank.
- Study your new repo. Try to compare Bitbucket functionality with GitHub.

Be free to look into screenshots.


Import from*



Bitbucket Cloud



GitHub



Git

Clone URL*

https://github.com/devslopes-learn/simple-expr

Username


Password


Import repository


Cancel


Projects


Create project


Name	Key	Description
 Test	TEST	












Repositories


Create repository


Filter repositories by name


Name

 simple-express-server

Git repository management powered by a free Atlassian Bitbucket evaluation license






























Test / simple-express-server





Source


master

simple-express-server /

Browse

Filter

Source	Description	Last Modified
 node_modules		
 package.json	initial commit	06 Dec 2015
 README.md	readme update	06 Dec 2015
 server.js	added content type accept and sample for post	12 Dec 2015

 README.md

###Simple Express Server

The point of this simple express server is to allow front-end developers the ability to quickly serve test data via HTTP to the front-end.

Often writing mock data on the front-end can take up more time than needed. Also it is important to build your front-end with HTTP requests in mind - meaning it is better to structure your front-end with the HTTP frameworks and architecture you need right from the beginning instead of adding it later and replacing your mock data.

Assigning Jira project with Bitbucket repository

- Jira already linked with Bitbucket. You can try to make a new branch within any issue.
- Try to clone our repository and make some commit inside of our new branch.
- Push changes. Look how our test issue was changed.

example

```
git clone http://admin@54.90.127.167:7990/scm/test/simple-express-server.
git
cd simple-express-server
git checkout -b LAB-2-kanban-boards
rm README.md
git add .
git commit -m "removed README"
git push --set-upstream origin LAB-2-kanban-boards
```

Creating merge request from Jira

- Merge changes from our issue brach into master.


Repository	Branch	Pull request	Action
 simple-express-server	 LAB-2-kanban-boards		Create pull request

Create pull request

 simple-ex...  LAB-2-kanban-boards →  simple-ex...  master [Change](#)

Title*


Description

  [Preview](#)

Reviewers

Reviewers can approve a pull request to let others know when it is good to merge

[Create](#) [Cancel](#)

 [Lab User](#) [LAB-2-kanban-boards → master](#) [OPEN](#)

[Merge](#) ...

removed README

[Overview](#) [Diff](#) [Commits](#)


Details

 [LAB-2](#)

 [Lab User](#) created a pull request A moment ago
No description for this pull request. [Add one](#)

 [Learn more](#)

Activity



 **Lab User** OPENED the pull request A moment ago

Merge pull request



Merge pull request #1 in TEST/simple-express-server from LAB-2-kanban-boards to master




 LAB-2-kanban-boards

 master

☒ Delete source branch after merging

Merge Cancel

 **Lab User**

LAB-2-kanban-boards → master

MERGED



removed README

[Overview](#) [Diff](#) [Commits](#)


Details

 LAB-2



Lab User created a pull request A moment ago

No description for this pull request. 25 May 2018 03:11 PM

 [Learn more](#)

Activity



What do you want to say?



Lab User **MERGED** LAB-2-kanban-boards to master in commit [e4f84132521](#) A moment ago



Lab User OPENED the pull request A moment ago

You're done

