

# Gitlab Pages - Hands-on

## Project web pages with GIT

1. login to <https://code.it4i.cz> with account dd-19-34-xx
2. create new project
  - a. choose **Create from template**
  - b. locate **Pages/Jekyll**
  - c. hit button **Use template**
  - d. set project name
  - e. set **Visibility level** to **Public**
  - f. hit button **Create project**
3. run pipeline
  - a. select **CI/CD** menu
  - b. click button **Run pipeline** 2x
  - c. click on **pages** element to see the progress
  - d. once finished return back to previous page to see the pipeline
  - e. you might need to refresh the page (F5)
  - f. deploy stage has been added automatically
4. configure custom domain
  - a. select **Settings -> Pages**
  - b. you can see the project URL like [https://dd-19-34-xx.it4i.io/project\\_name](https://dd-19-34-xx.it4i.io/project_name)
  - c. hit button **New Domain**
  - d. enter domain dd-19-34-xx.hrbac.cz
  - e. activate **Automatic certificate management using Let's Encrypt**
  - f. hit button **Create New Domain**
  - g. you should see the hint like **GitLab is obtaining a Let's Encrypt SSL certificate for this domain. This process can take some time. Please try again later.** (We will return to it later.)
  - h. go back to **Settings -> Pages**
  - i. you have two domains like:
    - i. [https://dd-19-34-xx.it4i.io/project\\_name](https://dd-19-34-xx.it4i.io/project_name)
    - ii. <http://dd-19-34-xx.hrbac.cz>
  - j. navigate browser to <http://dd-19-34-xx.hrbac.cz>
  - k. you should see the page (might be "corrupted")
5. configure static pages
  - a. diagnose the issue with browser tools
  - b. switch debug ON (F12)
  - c. locate **Network** tab
  - d. reload the page with F5 to see the communication
  - e. main.css is missing
  - f. open the source code with **CTRL-u** and search for main.css
  - g. CSS is expected by default at /jekyll/css/main.css, so we have to reconfigure Jekyll

- h. return to project **Repository** -> **Files**
- i. click on **\_config.yml** file
- j. hit **edit** button
- k. comment line starting with **baseurl**
- l. hit button **Commit changes**
- m. return back to **CI/CD** menu, a new pipeline has been run
- n. once finished navigate to project web pages and reload (F5)
- o. site has to read like **Example Jekyll site using GitLab Pages**
6. check HTTPS configuration
  - a. the certificate should be created meanwhile
  - b. go back to **Settings** -> **Pages**
  - c. you should see something like Certificate: /CN=dd-19-34-xx.hrbac.cz and URL is changed to <https://dd-19-34-xx.hrbac.cz>
  - d. navigate to URL to prove the working state
7. site is up and running, sound and sweet

## Jekyll repo local copy

1. git clone the repo
2. cd to folder
3. make sure you have the ruby installed
  - a. you can use RVM - <http://rvm.io/>
4. run bundle