

Task

for the Qualification stage of EU Web Challenge

Back-end

Middle/Senior

1. Task
2. Solution format
3. Judges
4. Contacts

1. Task

Write REST API (based on all good practices) for job server responsible for downloading images from given URL.

1.1. Task details:

- (1) Write client to your API
- (2) Write simple demo application and use your API client
- (3) Write/generate API documentation
- (4) API should allow to:
 - create jobs by submit URL to single web page, every job should has unique identifier
 - retrieve current status of the job,
 - retrieve results of the job, as a list of downloaded images, with details of every image (links to remote and local file path, width, height, size, content-type).

1.2. Requirements:

- (1) all jobs execution should be done outside webserver, in separated background job(s), your API should responds quickly,
- (2) during job execution, all images found on web page should be downloaded to your storage system,
- (3) your API should be ready to store millions of images locally, but you can propose solutions to distribute images and jobs between multiple servers.

2. Solution format

- 2.1. All documents of the solution should be in **ONE** archive in “**Name Surname**”.zip format.
- 2.2. Language of the solution should be **English**.
- 2.3. All solutions that are out of task’s scope will be ignored by the judges.
- 2.4. All solutions that are not in the requested format will not be evaluated.

3. Judges



Mariusz Gil

Architect and CTO focused on high performance and scalable web applications. Trainer, consultant and conference speaker. He has been working for several companies on PHP projects for millions of active users, from biggest social network and instant-messaging software in Poland to multi-billion PV content personalization and discovery platform.



Marcin Borecki

As a passionate programmer and trainer, Microsoft has awarded Marcin with the MVP title (Microsoft Most Valuable Professional) and currently Microsoft Regional Director for CEE (Central Eastern Europe). Marcin has four years of experience developing and managing software projects for global insurance companies.

4. Contacts

- 4.1. **Send your task solution in English from registration email at contesteu2015@webchallenge.me no later than September 20, 23:59 (CEST).**
Late submissions will not be accepted.
- 4.2. Send your questions in **English** at box@webchallenge.me. Look for the answers and clarifications regarding the task's content [here](#).
- 4.3. Judges will answer the most important questions and will ignore:
 - questions not related to the task
 - questions, answers to which were provided or are present in the task's text.
- 4.4. Finalist announcement will be conducted on October 5.

General partner

