

ITCS 2021 - WTHack is Serverless - Hands-on

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November 5th, 2021

Hint: Make sure to always save your changes in Cloud9.

1 Develop an HTML image uploader

Hint: For all tasks, take care of appropriate logging. This makes life easier :)

1.1 Provide a simple HTML upload form

- Look for a suitable function in your hands-on repository
- Deploy the function & call it

1.2 Create a S3 bucket via the AWS UI to store images

Extra question: Would you do that the same way in a real software project?

1.3 Bring the uploader to life

- Implement an upload function that
 - decodes the form data
 - stores the uploaded files in the S3 bucket
- Upload an image via the HTML upload form provided in task 1.1
- Have a look into the S3 bucket. Did the upload succeed? If not, try to increase logging. Did you take precautions regarding access rights? Have a look at IAM role statements for the serverless framework.

Optional: Deliver an uploaded image to the client

- Parse the client's request (you may provide the image's name as a query parameter)
- Retrieve the corresponding S3 object
- Encode the S3 object and deliver it to the client