

# ADS Lab 04 - Scripting

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## How to execute

As the instructions were not super clear on the source and destinations folder for each script, we explained our choice at the top of each file in the header and we automated the manual steps when needed. We wrote a basic script `deploy` to run them all locally or on the server. We didn't use the result of `renamed_files` as they don't appear in examples of HTML.

### Preparation

Here is a little script to help you setup our website locally if needed. Everything is deployed, but this is also needed to run our scripts locally.

```
cd lab04
wget https://ads.iict.ch/lab04_template.zip
unzip lab04_template.zip
chmod u+w -R public_html
cp -r lab04_template/* public_html/
chmod u+w -R lab04_template
rm -rf lab04_template

wget https://ads.iict.ch/lab04_raw_files.zip
unzip lab04_raw_files.zip
mv lab04_raw_files public_html/
```

```
bash deploy # running all scripts
cd public_html
php -S localhost:8000 # quick testing

xdg-open http://localhost:8000/page.html # open in browser
```

### Run our scripts locally

```
cd public_html

bash ../show_dimensions
bash ../rename_pictures
bash ../make_thumbnails
bash ../make_html
```

### Deploy the solution

```
cd lab04
```

```
scp -r . labc0@ads.iict.ch:/home/lab0/ # pushing all files from current folder to remote user folde
```

## Generate all files on the server

```
~ > bash deploy
```

Our page is now available at <https://ads.iict.ch/~lab0/page.html>.

## Task 4 - Use SSH Tunneling

Here is the command we used to create a SSH tunel.

```
ssh labc0@ads.iict.ch -L 5555:localhost:3306
```

Manage Server Connections

MySQL Connection

- new connection
- ads.iict.ch

Connection Name: ads.iict.ch

Connection Remote Management System Profile

Connection Method: Standard (TCP/IP)

Parameters SSL Advanced

Hostname: localhost Port: 5555 Name or IP

Username: labC Name of the user

Password: Store in Keychain ... Clear The user's password

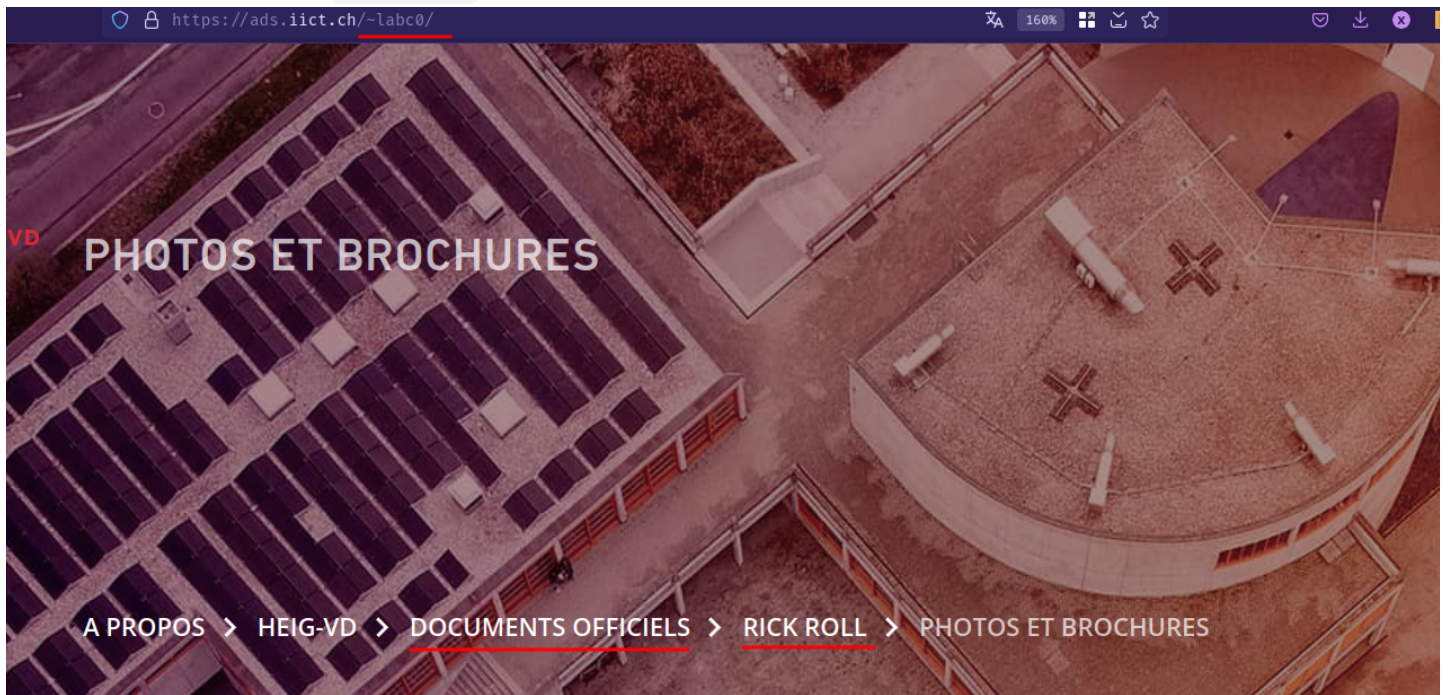
Default Schema: The schema name

Limit to 1000

1 • SELECT \* FROM menu;

Result Grid				
Filter Rows:				
#	id	name	level	url
1	1	A propos	1	https://heig-vd.ch/a-propos
2	2	HEIG-VD	2	https://heig-vd.ch/a-propos/heig-vd
3	3	Documents officiels	3	https://heig-vd.ch/a-propos/heig-vd/...
4	4	Rick Roll	4	https://www.youtube.com/watch?v=...
*				

We changed the deployed `index.php` with the database credentials at the top and the menu is correctly generated.



Note: The images are not linked correctly, but this was probably not asked so we focused on the `page.html` .