

DataStax

My Summer @ DataStax!

Swasti Mishra

August 11, 2022

Information in this presentation has been redacted, and may present as unexpected spacing.

Objective

Enable Subject Matter Experts (SMEs) to write guides and labs so that new support engineers can reach the expert level more quickly.

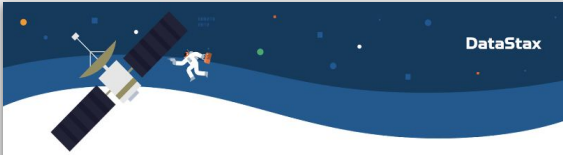
Solution Requirements

Create a lab library that achieves the following goals:

1. Categorize existing documentation
2. Edit this documentation into a consistent format
3. Establish a structure for creating new documentation/labs
4. Include methods of practicing new learned skills
5. Put this documentation into a database

the Solution

Read Existing Labs & Look For Patterns



Title

[Description of Lab]

Product

This element describes which products are used in the lab. It should be formatted as just the names of the product, justified. You can also include the logos for the products used below.



Issues Addressed

This element describes what the customer may be experiencing. A miscellaneous note- lab documentation file names should use hyphens instead of spaces. Doing so makes it easier to link to files in the [lab-library README](#).

Environment

Files Required

- This element describes what files may be useful for setting up the environment.
- Feel free to include the files, bulleted, and hints for what the files are each for!

Set Up

- Describe how to set up the environment.

1 Lab Documentation

Actions

- Describe what a user of this guide would need to do to replicate/solve the problem.
- These should be numbered, accessibly written steps- i.e., include what a student needs to do, the files used in each step, and the commands needed to create a specific environment.

Desired Result

- This element should include information about what the student is seeing in their environment, which often includes a description of the errors they observe.
- Further, there should be information about what students need to discover about their errors and environment. Describe the tools they should be using, and what they need to be able to figure out.
- Feel free to include other relevant notes.

Case Study (Optional)

In some of the existing lab documentation we have, SMEs have found it valuable to include an example of a customer experiencing a problem similar to the one described in the lab and what the solution was. If this seems like a helpful addition to your lab, feel free to add a section about it here, following these general guidelines.

2 Lab Documentation

Customer Problem

Describe what the customer's problem was here.

Customer Solution

Describe what the solution to the customer's problem was here, including information about how you identified the problem and what advice you gave the customer.

Credits

Thank you to the following people for making this lab possible! Please reach out to them if you have any questions about the content.



Swasti Mishra
Template Author
swasti.mishra@datastax.com

[Include the name of the lab creator and/or subject matter expert. Further include their email address and their role in creating the lab.

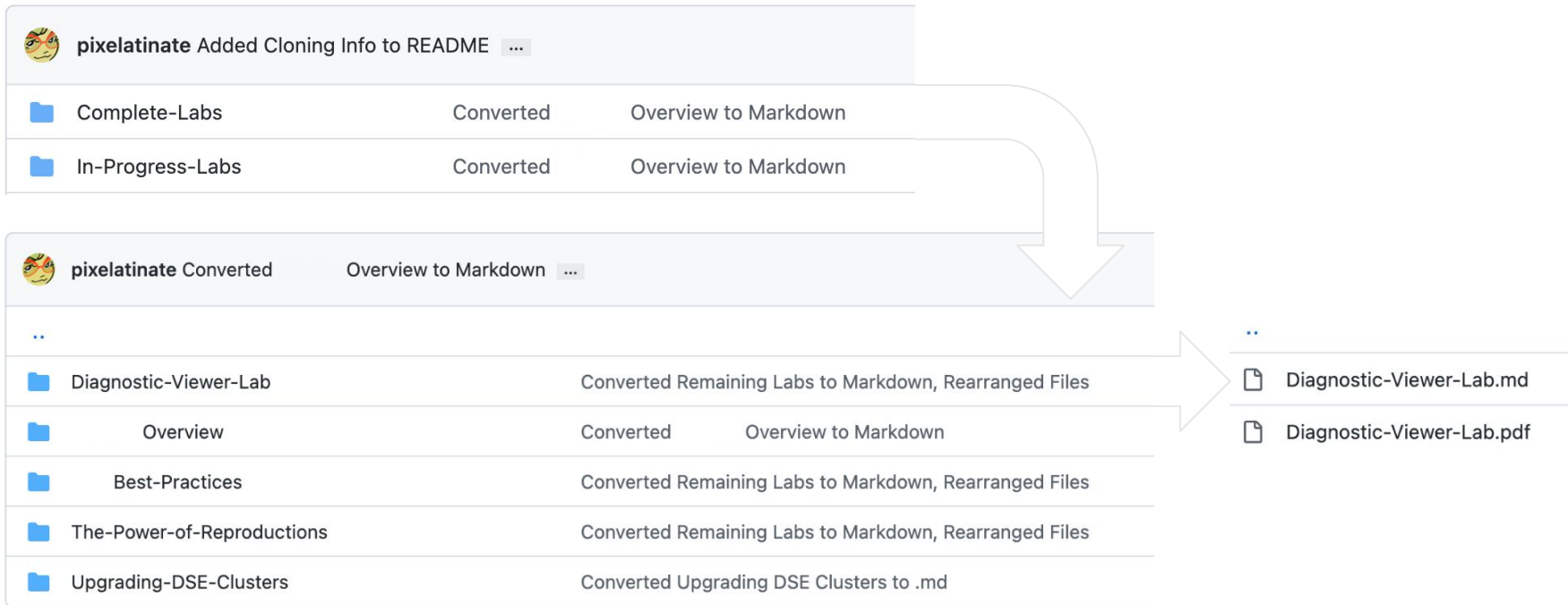
You may also add your headshot using the following steps:

- Click on the image above and select 'Edit'.
- Click on the circle in the popup editor and select 'Replace Image'.
- Upload your image.
- Click on the crop tool within the popup editor and drag/resize your image so it is displayed properly.
- Hit 'Save and Close' when you are finished.]

3 Lab Documentation

the Solution

Convert Existing Documentation



[redacted]
Overview

me

Creating a Markdown Converter

☰ README.md



html2md: datastax edition

A tool that converts the html of a lab library file to markdown and adds some other formatting bells and whistles.

Usage

1. Clone the repository using:

```
git clone https://github.com/ /html2md.git
```

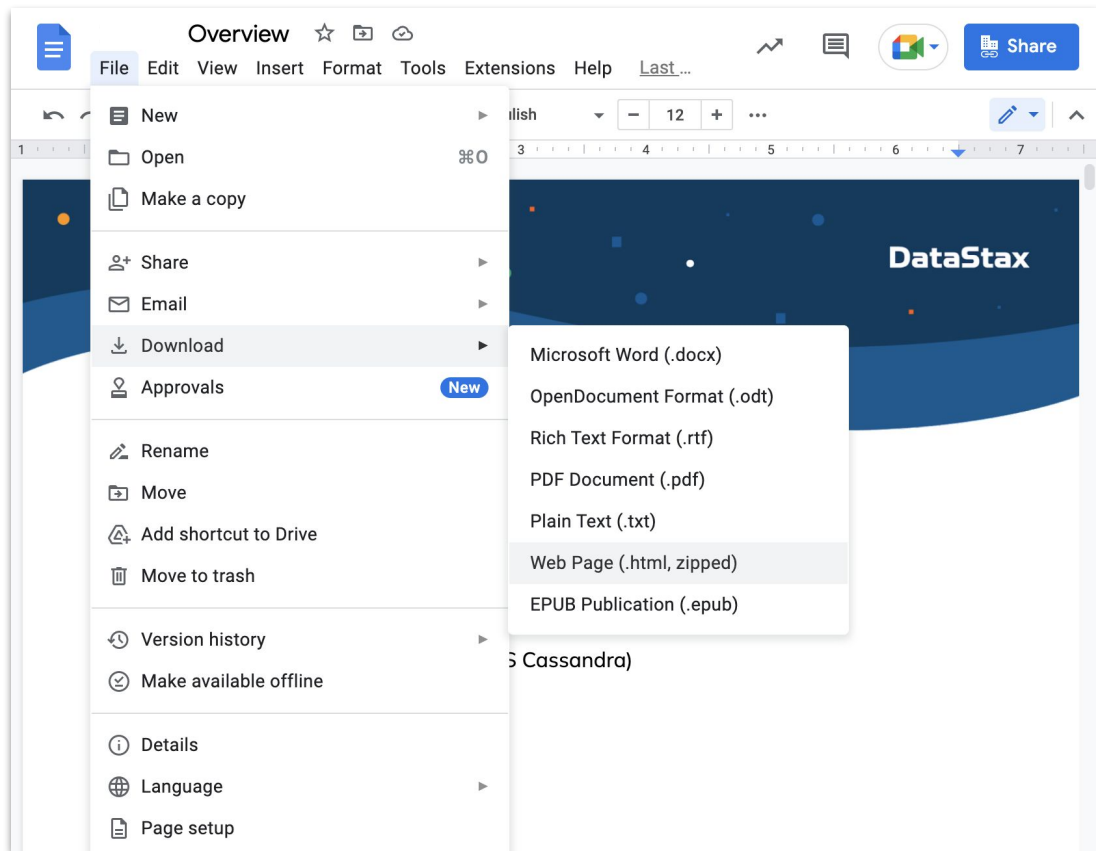
2. Export your Google Docs file as a webpage
3. Unzip the file
4. Move the resulting folder into your local html2md directory
5. Run the following command to convert your file:

```
python3 datastaxify.py [gdocs folder]/[gdocs file].html
```

Your completed .md file should be in your Google Document folder. Move the Google Document folder into [Complete-Labs](#) or [In-Progress-Labs](#) as necessary.

the Solution

Using the Markdown Converter



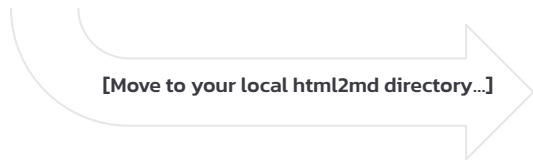
Overview.zip

ZIP archive - 9.1 MB



Overview

Folder - 9.6 MB



[Move to your local html2md directory...]

the Solution

Using the Markdown Converter

```
python3 datastaxify.py [gdocs folder]/[gdocs file].html
```

```
swasti.mishra@smishra-rmbp13 html2md % python3 datastaxify.py Overview/ Overview.html
Running DataStax Converter...
* Ran [ python3 -u html2text.py Overview/ Overview.html > Overview/ Overview.md ]
* Ran [ rm Overview/images/image35.png ]
* Fixed Headline and Subtitle
* Resized Product Logos
* Removed Footer
* Removed Spaces and Newlines in Links

Your Markdown file is complete!
Find it at Overview/ Overview.md
swasti.mishra@smishra-rmbp13 html2md %
```

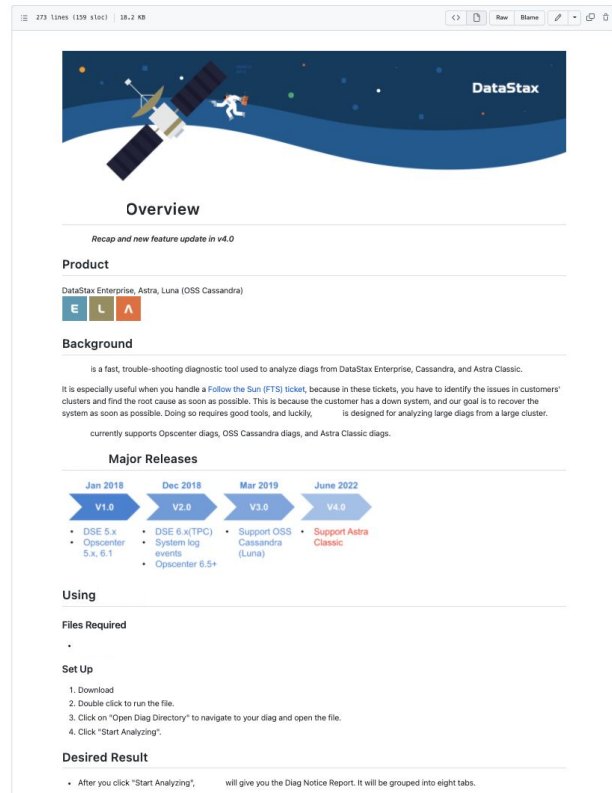
**Move your
exported folder into the
lab-library directory, and
you're all done!**

```
1 # Libraries
2 import os # For running a file within a file
3 import sys # For storing command line arguments
4
5 print("\nRunning DataStax Converter...") # So user knows it's working :)
6
7 # Generate Markdown file
8 filename = sys.argv[1] # Get the name of the file from user
9 mdfile = filename[:-5] # Remove last 5 characters (.html)
10 mdfile = mdfile + '.md' # Add .md to the end of the path
11 cmd = "python3 -u html2text.py " + filename + " > " + mdfile # Build command
12 os.system(cmd) # Generate file
13 print(" * Ran [", cmd, "]") # User Update
14 containing_directory = ''.join(filename.rpartition('/')[:2]) # Finds directory
15
16 # Opens and reads the Markdown file
17 with open(mdfile, 'r') as fixed_file: # Open the file we just made
18     data = fixed_file.readlines() # Read the text into "data"
19
20 # Replaces header image
```

the Solution

Using the Markdown Converter

```
2  # Overview
3
4  *** Recap and new feature update in v4.0***
5
6  ## Product
7
8  DataStax Enterprise, Astra, Luna (OSS Cassandra)
9
10 
11
12 ## Background
13
14 is a fast, trouble-shooting diagnostic tool used to
15 analyze diags from
16 DataStax Enterprise, Cassandra, and Astra Classic.
17
18 It is especially useful when you handle a [Follow the Sun (FTS
19 ticket)]
20
21 ), because in these tickets, you
22 have to identify the
23 issues in customers' clusters and find the root cause as soon as
24 possible.
25 This is because the customer has a down system, and our goal is
26 to recover the
27 system as soon as possible. Doing so requires good tools, and
28 luckily,
29 is designed for analyzing large diags from a large cluster.
30
31 currently supports Opscenter diags, OSS Cassandra diags,
32 and Astra
33 Classic diags.
```



the Solution



[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)

 [/lab-library](#) Internal

 Watch **63**

 Fork **1**

 Starred **2**

[Code](#) [Issues](#) [Pull requests](#) [Discussions](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

 **main**

 **1 branch**

 **0 tags**









About

 **pixelatinate** Update README.md d466f23 1 hour ago  **48** commits

 Complete-Labs	Converted	Overview to Markdown	28 days ago
 In-Progress-Labs	Converted	Overview to Markdown	28 days ago
 html2md @ c164fc3	Submodule Update 3		1 hour ago
 imgs	Converted	Overview to Markdown	28 days ago
 .gitignore	Minor fixes		2 months ago
 .gitmodules	Add html2md Submodule		16 days ago
 README.md	Update README.md		1 hour ago

This repository contains lab guides on setting up environments, diagnosing problems, and solving them using DataStax tools.

 Readme

 **2 stars**

 **63 watching**

 **1 fork**

Releases
No releases published

DataStax

Thank You!