**2/13/2020 Meeting Minutes:**

**Location:** Reece’s Cafe

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* Assessing **Docker skill level** of group
* Review Docker **commands**
* We must make a **container** that has **Pandoc** within it.
  + **Pandoc** is an **open-source** document converter.
  + When user uses the **conversion feature**, a **container** is created to complete the task, then it is **killed**.
    - Killing the **container** eliminates extra **RAM** use.
* Might want to find an **existing** Pandoc Docker file online (Robert’s suggestion).
* One of the biggest uses of Docker is allowing **older applications** to run on **newer** **servers**
  + Possible because the **OS** inside of the **container** can be the **old** operating system (still compatible).
  + Ex. **Windows XP** container running in **Docker engine** (very secure).
* Docker helps to **conserve space** because it **organizes core files**.
* **No extra OS dependencies** such as operating system interface.

**2/20/2020 Meeting Minutes:**

**Location:** Reece’s Cafe

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* **Robert** has already installed **Pandoc**
  + **Pandoc** auto installs to **C:Username/AppData/Local**
  + Rest of group is working on installing **Pandoc**
  + **Pandoc** is all command line based (useful for docker file)
* Identify **parameter** as **“name and file”**.
* Inside **container** is “**file to be converted”.**
* Build the **container** and try to get it running with a specific file.
* Converting to **HTML** in **Pandoc** is there by **default.**
* We figured out how to **convert** on the **command line**, but need to figure out how to **export** the file.
* Nick found a **Pandoc user guide.**
  + Obtain **user guide** from **Pandoc** website .

**2/25/2020 Meeting Minutes:**

**Location:** Reece’s Cafe

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* Meeting with **Bryan Ollendyke** and **Mike Potter** on **Wednesday, March 4th (9am-until)**
  + Ask Dr. Murphy if we can **skip class** on **March 4th.**
* **Joe** is working on **user survey.**
* Some formats seem to give **errors** but still spit out the file at the end.
* **HTML Conversion export command**
  + pandoc <filename>.txt -s -o <filename>.html
* **Conversion to PDF command**
  + pandoc <filename>.txt --pdf-engine=xelatex -o <filename>.pdf
* **Currently able to use this command for all conversions**
  + pandoc <filename> -s -o <filename>
* **Thursday** we will be working on the **MId-Report.**
* **Nick** is leaving **tomorrow night.**
* Do we want file to display title in the output?
* Experiencing different outputs for the html different conversion commands.

**3/3/2020 Meeting Minutes:**

**Location:** Reece’s Cafe

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce,Shraddha

**Topics Discussed:**

* Working on Gantt Chart
* Rob working on Docker to prepare for March 4th meeting.
* Need to use Linux-style terminal to edit the docker file.
* Fixed problems from old PDR report
* Use Ubuntu to run docker fies
* For BPM diagram, make one about parameters.

**3/4/2020 Meeting Minutes:**

**Location:** Starbucks

**Time:** 9:00am -11:00am

**Attendance:** Nick, Robert, Joseph, Bryce, Shraddha, Brain Ollendyke, Mike Potter

**Topics Discussed:**

* Stuck on how to set up parameters
* Bryan made a diagram for “Converting a File”. (a word doc to a pdf)
* Joe has input and outputs listed in notebook.
* Most common use case is word document or markdown to html or plain text. (professors)

**3/5/2020 Meeting Minutes:**

**Location:** Reese’s Cafe

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* Continuing to work on Mid-Report

**3/19/2020 Meeting Minutes:**

**Location:** Virtual (Zoom) :(

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* We found visual of final report in Zoom video lecture
* Research streaming more
* Bryan gave us a diagram that talks about streaming the file back to the user.

**3/27/2020 Meeting Minutes:**

**Location:** Virtual (Zoom)

**Time:** 10:10am - 11:00am

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* Robert getting “invalid reference format” when running the container.
* Attempting the command: docker run -it --rm -v $(pwd):/src pandoc-service pandochtmltest.html -s -o pandocmarkdowntest.md in Ubuntu Linux returns the **following error:**
* **WARNING: Error loading config file: /home/username/.docker/config.json: stat /home/username/.docker/config.json: permission denied**

**docker: invalid reference format: repository name must be lowercase.**

**See 'docker run --help'.**

* **Attempting a fix on the command line returns a different error in Ubuntu Linux.**
* **Command: sudo docker run -it --rm -v "$(pwd):/src" pandoc-service pandochtmltest.html -s -o pandocmarkdowntest.md**
* **Error: Unable to find image 'pandoc-service:latest' locally**

**docker: Error response from daemon: pull access denied for pandoc-service, repository does not exist or may require 'docker login': denied: requested access to the resource is denied.**

**See 'docker run --help'. (edited)**

* **Doing the command docker build. While in the same directory as the docker file will successful build but does not change errors previously noted**
* **Connecting the SSH key allows us to build the container off of Github via the docker build -t pandoc-service .. Then when built, the command docker run -it --rm -v "$(pwd):/src" pandoc-service <inputfilename> -s -o <outputfilename> will do the conversion. “That command will work in any directory, even my random PSU work which I did attempt with one of the focus questions for 421. I was able to use that command to convert Focus Questions 9.odt to Focus Question Test.html by calling the container. The converted file was spat back out in the same directory so we know that the container will auto spit it back out for us. In terms of resource usage, it looked like the CPU only really spike 5% for a second when it converted and the conversion process was quick. Probably only took 4 seconds to run.”**

**4/2/2020 Meeting Minutes:**

**Location:** Virtual (Zoom)

**Time:** 3:00pm - 4:00pm

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* Figuring out how to get container to run in Windows.
* Already got it working in Linux
* Joe is getting errors on Windows when trying to run the container.
* Rob is getting error when trying to get it to use local directory, file is not converting
* $pwd:/src is giving Rob errors.
* Rob got it to run in command line.
* Windows Command Line command for running the container: docker run -it --rm -v "%cd%:/src" pandoc-service "Sonnelitter Focus Questions 1.docx" -s -o "Focus Questions test.html"
  + This works exactly the same way as in Linux where it'll fire up in any directory after being built
* PowerShell is slightly different, [@Joe Wanat](https://ist440group.slack.com/team/UTZ3C8M9S) might want to test this one: docker run -it --rm -v "${PWD}:/src" pandoc-service "Sonnelitter Focus Questions 1.docx" -s -o "Focus Questions test.html"
* Windows powershell can use the same command as Linux.

**4/3/2020 Meeting Minutes:**

**Location:** Virtual (Zoom)

**Time:** 10:10am - 11:00am

**Attendance:** Nick, Robert, Joseph, Bryce

**Topics Discussed:**

* Begin documenting testing on the next dashboard.
* When running the container it still saves the converted file.
* File goes into hax and goes into temporary directory.
  + New file is spat out into temporary directory.
  + Works converting to a pdf
* HTML works as an input.
  + HTML to .docx works
* Rob is trying to tie in directory path on docker command
* docker run -it --rm -v "$(pwd):/src" pandoc-service <input-filename>.html -s -o <output-filename>.md | mv <output-filename> <directory-name>
* Figured out pipe the output out of the the temporary directory and into whatever directory is desired

**4/7/2020 Meeting Minutes:**

**Location:** Virtual (Zoom)

**Time:** 3:00pm - 3:45pm

**Attendance:** Nick, Robert,Bryce, Professor Ollendyke

**Topics Discussed:**

* \*Meeting with Bryan Ollendyke\*
* We have the container working
  + Only conversion we can't get pan doc to do is from pdf
    - Brain says it is nearly impossible
* .odt to .html conversion worked successfully
* .docx was breaking early on.
* We have the container completing the conversions.
* Pandoc is only using one command
* HTML to .pdf is working
* If you’re converting media to pdf it retains images, but when converting to other types it may not display the image.
* .odt to html to pdf conversion worked.
* Rob got picture to work in html at the end
* Bryan wants us to test the different file types.
* Meeting during class this friday (4/10)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Inputs | Outputs |  |  |  |  |
|  | HTML | Docx | PDF | .txt | XML |
| HTML |  |  |  |  |  |
| Docx |  |  |  |  |  |
| PDF |  |  |  |  |  |
| ODT |  |  |  |  |  |
| TXT |  |  |  |  |  |

**4/14/2020 Meeting Minutes:**

**Location:** Virtual (Zoom)

**Time:** 3:00pm

**Attendance:** Nick, Robert,Bryce, Joe

**Topics Discussed:**

* **Final Presentation Recording (VoiceThread) is due Sunday, April 26th at 11:59pm**
* **Final Report is due on May 4th**
* **Our last dashboard is due this Sunday, April 19th**
* Do not use ssh when using play with docker
* Container is working in play with docker
* Working on “File Conversions” Table and the “Test Script”
* Docx in windows is struggling convert any of the files
  + Converted file is empty

**4/23/2020 Meeting Minutes:**

**Location:** Virtual (Zoom)

**Time:** 3:00pm

**Attendance:** Nick, Robert,Bryce, Joe, Shraddha

Presentation Speaking Order:

Introduction Slide: **Shraddha**

Agenda: **Shraddha**

Problem Statement: **Shraddha**

Plan & Analysis: **Bryce**

Design & Development: **Joe**

Demo: **Robert**

Testing Results: **Nick**

Implementation Plan: **Joe**

Summary & Conclusion: **Bryce**