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UBC Library, October 2024



- History and Background for UBC Library Research Commons teaching approach
 - Pre-Github
 - 2020+
- Design of teaching approach and working the Carpentries
- How does RDM fit in
- Data Bites approach, 30 mins workshop



Assessment and lessons learned

Commons

A multidisciplinary hub supporting research endeavours, partnerships and education.

- New team, new approach
- In January 2020
- Working and learning together



"Pre-GitHub"

- Many internal shared folders
- Non-portable & non-reproducible
- Uncoordinated approaches



Home Share view
This PC > LBRY (\\lead.ubc.ca\team) (T:) > Research Commons >

	Name	Date modified	Type	Size
Quick access				
Desktop	Abacus-Technical_Documentation	09/10/2020 10:42 ...	File folder	
Downloads	DryadToSPDataverse	01/10/2020 1:17 PM	File folder	
Documents	Git	29/09/2020 3:13 PM	File folder	
Pictures	Abacus-metadata	10/09/2020 1:28 PM	File folder	
2020	Administrative	04/09/2020 1:34 PM	File folder	
GAA_forms_2020	maps_project	02/09/2020 2:40 PM	File folder	
Publishing	Assessment - Data and Stats	27/07/2020 10:10 ...	File folder	
RC Impact Repo	Communications & Signage	24/06/2020 4:53 PM	File folder	
OneDrive	Services (Teams) - Workspace 2.0 for late...	05/06/2020 1:14 PM	File folder	
This PC	Temp	02/06/2020 12:02 ...	File folder	
3D Objects	RC Team (Hiring and Staff Info)	20/04/2020 6:18 PM	File folder	
Desktop	Training	02/04/2020 10:51 AM	File folder	
Documents	Workspace 2.0 Files	01/04/2020 10:25 ...	File folder	
Downloads	Role, Responsibilities & Routines	16/03/2020 3:18 PM	File folder	
Music	Signage	03/03/2020 3:45 PM	File folder	
Pictures	K4_5 Opening	03/03/2020 3:13 PM	File folder	
Videos	Spaces	14/02/2020 3:07 PM	File folder	
OSDisk (C:)	RC Team Meetings	28/01/2020 2:34 PM	File folder	
Elements (D:)	GAA Team Meetings	27/01/2020 12:34 ...	File folder	
My Passport (F:)	Grad Student Workshop Series	24/01/2020 10:46 ...	File folder	
allancho (\\files.	Scheduling	27/09/2019 1:10 PM	File folder	
LBRY (\\lead.ubc	Planning, Research & Development	23/09/2019 10:04 ...	File folder	
	Special Events and Presentations	27/08/2019 11:45 ...	File folder	
	Partner Groups	28/02/2019 12:14 ...	File folder	

Elements (D:)
2018



Proposed New Approach

- Collaborative, using freely available tools accessible outside of the university
- Git, GitHub, Github Pages & Reveal.js
- Presentations through Github Pages



Why GitHub ?

- Existing experience on the team with GitHub
- Already in use by members of the team in similar cases (GIS workshops)
 - This included workshop content in repository
Reveal.js slides via GH Pages



Community Inspiration

- Inspiration from the Carpentries' OER m
- Philosophical desire to lower barriers to and remixing
 - Not a UBC specific platform / approach
 - Content requires only a browser window access and is downloadable for bad connections



Upskilling

- New team, new desire to upskill and expand with new workflows
- Goal to better support technical consultants



Sustainability

- Text-based approach easy to move, ren
repurpose
- Better ownership, collaboration, and
maintenance workflows with growth in s
- Currently, Github Pages is free and unli
our use case



The workflow



Setup

- GitHub account for each contributor
- GitHub *organization* for Research Commons



Setup

- GitHub account for each contributor
- GitHub *organization* for Research Commons

Content

- Markdown files
- reveal.js html files



Setup

- GitHub account for each contributor
- GitHub *organization* for Research Commons

Content

- Markdown files
- reveal.js html files

Skills

- Markdown (everyone)
- Git/GitHub (everyone)
- Jekyll theme (some)



Introduction to Docker

This workshop is meant to introduce you to the set of virtualization tools referred to as [Docker](<https://www.docker.com/>), which allow you to use, create, and share container images.

![Docker dark background icon](content\figures\docker_boyi_wu.jpg)
Retrieved from [Bo-Yi Wu on Flickr](<https://www.flickr.com/photos/boyiwu/>)

[Containers](<https://www.cio.com/article/2924995/what-are-containers>) create small reproducible computing workspaces on your computer, which you can ascribe specific libraries and constraints to replicate specific environments.

Workshop Objectives

We'll first discuss broader concepts from the computing virtualization space, disambiguate the many interrelated components of the



Outline

Participating online

Part 1 - What's Docker?

- Origins and High Level Concepts
- Main Use Cases
- Disambiguating Docker Terms

Part 2 - Technical Overview

- Paths to installing Docker
- Docker Commands
- Learning Activities
- Resources and next steps

Reference



This workshop is meant to introduce you to the set of virtualization tools, [Docker](#), which allow you to use, create, and share container images and environments that are useful for ensuring reproducibility in research.



Retrieved from [Bo-Yi Wu on Flickr](#), CC BY 2.0

[Containers](#) create small reproducible computing workspaces on your computer. You can assign specific libraries and constraints to replicate specific environments.

Workshop Objectives

We'll first discuss broader concepts from the computing virtualization space, then the many interrelated components of the Docker ecosystem, and explore how to use Docker to create and manage container images and environments.



🔗 master ▾

🔗 1 branch

🏷 0 tags

Go to file

Add file ▾



chiselinc rearranging outline

✓ d041b4b 15 days ago

🕒 32 commits



content

rearranging outline

15 days ago



LICENSE

Initial commit

5 months ago



README.md

basic readme

5 months ago



_config.yml

Update _config.yml

5 months ago



index.md

fixes for workshop round 2

2 months ago

[Introduction to Docker](#) workshop created by Chelsea Palmieri



[Code](#)[Issues](#) **2**[Pull requests](#)[Actions](#)[master](#) ▾[1 branch](#)[0 tags](#)[Go to](#)

chiselinc rearranging outline



content

rearranging outline



LICENSE

Initial commit



README.md

basic readme



_config.yml

Update _config.yml



index.md

fixes for workshop round 2



chiselinc ...

..



figures



activity.md



concepts.md



disambiguation.md



install.md



lesson-plan.md



part-01.md



part-02.md



participating-online.m



resources.md



uses.md











[Code](#)[Issues](#) 4[Pull requests](#) 1[Actions](#)[Projects](#)[Wiki](#)

master ▾

[Go to file](#)[Add file ▾](#)

JeremyBuhler Delete Gemfile.lock ...

✓ 7 minutes ago

 .github	Add publishing workflow (#172)	15 months ago
 _includes	fix favicon	18 days ago
 _layouts	fix type in footer_content reference	12 days ago
 _sass	disable search by default for new repos	18 days ago
 assets	logo update	2 months ago
 bin	Make spacing consistent	2 years ago



The Research Commons uses a modified version of the [Just the Docs](#) theme.



```
1 title: Intro to Docker
2 remote_theme: ubc-library-rc/rc-workshop-template
3 github_repo_url: "https://github.com/ubc-library-rc/rc-workshop-template"
4
5 # license information for workshop content
6 license_name: "Creative Commons Attribution 4.0 International License"
7 license_url: "http://creativecommons.org/licenses/by/4.0/"
8 license_image_url: "https://i.creativecommons.org/licenses/by/4.0/by-nc-sa/4.0/by-nc-sa.png"
9
10 # required for building jekyll site locally
11 plugins:
12   - jekyll-remote-theme
13   - jekyll-seo-tag
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7 license_url: "http://creativecommons.org/licenses/by/4.0/"
8 license_image_url: "https://i.creativecommons.org/licenses/by/4.0/88x31.png"
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12   - jekyll-remote-theme
13   - jekyll-seo-tag
```



Instructions and documentation

<https://ubc-library-rc.github.io/rc-workshop-ten>



[Publishing slides](#)

[Running locally \(optional\)](#)

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UBC Library Research Commons



template

TABLE OF CONTENTS

- 1 [Set up the RC workshop site](#)
- 2 [Add/edit content pages](#)
 - a [Add child pages](#)
 - b [TOC on parent pages](#)
 - c [Exclude a page from navigation menu](#)
- 3 [Selected text formatting options](#)
 - a [Callouts](#)
 - b [Step-by-step instructions](#)
 - c [Terminal input/output](#)
 - d [Code block syntax highlighting](#)
 - e [Circled numbers](#)
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 - g [Table of contents](#)

Start with the instructions below to setup a Research Commons workshop website. For more customization and configuration options see [Just the](#)

Set up the RC workshop site

Improvement and maintenance

- **Content Review Tracking** repo for work level
- **GitHub Issues** for specifics
- **Pull requests** for integrating changes







JeremyBuhler Copyright review, R workshops ...

13 days ago 21



images

add review guideline notes

2 months ago



README.md

Copyright review, R workshops

13 days ago



review-guidelines.md

added note about suggesting a fix

2 months ago

README.md



Add a new row in the table below for repositories that need a general content review. If the content/workshop is still a work in progress, add a 🚧 next to the workshop title.

A general review should identify areas that need updating due to changing software versions, improvements in clarity, spelling and grammar, etc. Suggested updates should be noted as issues in the source repository. When finished, the reviewer should add their initials and date the review was finished.

Workshop	Last reviewed	Initials	Copyright review
Intro to web maps	July 2020	EF	
Intro to web scraping	August 2020	EF	JB



an open repo for
when content rev
repositories have

Readme

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Contributors 4



ElizabethFer



ect123 EvanT



JeremyBuhler



egrguric

[<> Code](#)[! Issues 4](#)[🔗 Pull requests](#)[▶ Actions](#)[📁 Projects](#)[📖 Wiki](#)[🛡️ Security](#)

Filters ▾

[🏷️ Labels 9](#)[📌 Milestones](#)

! 4 Open ✓ 13 Closed



Author ▾

Label ▾

Projects ▾

Milestones ▾

Assignee ▾

Sort ▾

**Add block of code to .zip file**

#16 opened on Jul 23 by ElizabethFernandes

**Create vector tile example**

#6 opened on May 29 by ect123

**Code comments describing code functions**

good first issue

help wanted

#3 opened on May 29 by ect123

**Add final map to index.md**

#2 opened on Apr 1 by ect123



Merged

ect123 merged 1 commit into `ect123:master` from `Julix91:patch-1` on Oct 8



Conversation 1



Commits 1



Checks 0



Files changed 1



Julix91 commented on Aug 11, 2019

Contributor

If we're going to use `ubcbuildings` variable in the code, might as well import it rather than copy-paste it manually - to keep things clean.

Here's for people who download the repository - for the main Readme we'd probably add it as a separate instruction step, rather than just right into the copy... we'll see.

Also unrelated: Checkout <https://oznogon.com/golarion/#4/55.48/-19.27> - figured you might enjoy it.



Import UBC building JSON ...

Verified



ect123 approved these changes on Oct 8, 2019


View





- Capacity limits - loss of GAA funding
- Content review delays with lower capacity
- When GitHub changes a workflow so do
- Delivery differences for different audiences
experimenting with both longer form and
form sessions
- Giving back to the Carpentries




- Since 2013 we have experimented with a variety of teaching platforms
- Google Slides, OSF, PPT, and more...
- Nothing really worked

 OSFHOME ▾

My Projects Search Support Donate 

 Session 4 Re-Introduction to the Data L... Metadata Files Wiki Analytics Registrations Contributors Add-ons Settings

Week 1 Introduction to RDM / 1.4MB Make Private Public



Session 4 Re-Introduction to the Data Life Cycle


Contributors: Mathew Vis-Dunbar, Nick Rochlin, Marjorie Mitchell, Allan Cho, Doug Brigham, Susan Paterson, Susan Atkey, Mayu Ishida, Sheryl Adam, Sarah Parker, Elizabeth Kinney, George Parker, Megan Meredith-L...

Eugene Barsky, Nick Rochlin

Affiliated Institutions: University of British Columbia


Date created: 2020-07-29 08:19 AM | Last Updated: 2024-06-05 09:05 AM

Identifier: DOI 10.17605/OSF.IO/GFX8T

Category:  Uncategorized

Description: *Add a brief description to your component*

License: *Add a license*



- Gut feeling - too much content
- 60-90 minutes of RDM is hard to absorb
topic gets swallowed by the next
- Needed drastic redesign of content
- Needed smaller chunks, that build on to
another but also can be independent and
to be served to a variety of researchers
students



Enter Data Bites

- Series of 30 minutes workshops
 - 10 minutes of content
 - 10 minutes of exercises
 - 10 minutes of questions
- Over the lunch hour, in-person or Z



Format

- Research Commons Github template
- Each workshop features two participatory exercises on Padlet
- A lot of hands-on
- Supplemented by a one-page PDF as a take-away



Example - File Naming workshop

- Introduce the principles
- Do a little exercise
- Reflect and ask questions
- See live - [File Naming](#)



- Offered once a week by an RDM GAA (always attending)
- Overall, each workshop is offered three each term
- Attendance steady at around 10-15 students and researchers
- Many staff are attending - lab managers, facilitators, research coordinators...



Feedback - 96 percent satisfaction

- Some classes want to combine these m
into one workshop
 - MEDI 503
 - Master of Geomatics for Environment
Management program
 - Mechanical Engineering 497
 - Brain Science - NRSC510
- All grad level



Assessment

- 45 workshops offered for more than 800 attendees last school year (September to August 2024)
- Survey sent two hours after the workshop
- Data collated monthly
- High satisfaction overall (96 percent)
- Some tweaks suggested and some imp



Assessment

- Yearly review of content in the summer
- New GAA = opportunity to update and h
eyes
- Asked for community feedback
- Some professors review and sometimes
content



- GAAs need training and support to offer workshops
 - Six weeks hands-on training
- Content needs to be fresh, people notice stamps
- Only around half of attendees engage in exercises
- One-page guides are useful takeaway for
need to be updated yearly



Near Future

- Markdown workshops series

- Create README with Markdown to make it real

- Create Data Dictionaries (with a template)
- Hoping for community feedback and suggestions for new content

