

Selling Infrastructure as a Service to Faculty

Tim Ribaric
@elibtronic

Agenda

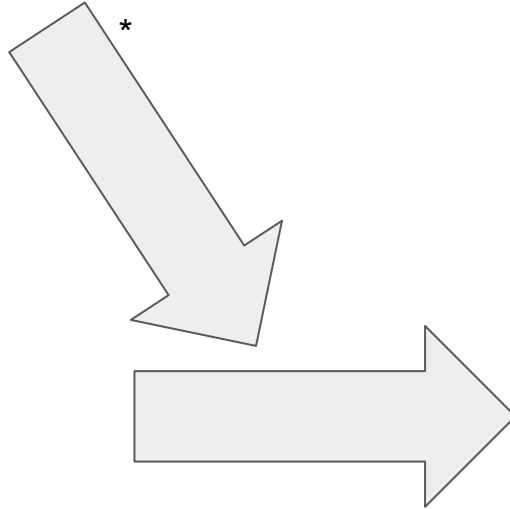
- Values
- Playing along at home
- Infrastructure
- Abstract Infrastructure
- Abstract Infrastructure served in a web interface
- Some Examples

Digital Humanities / Digital Scholarship

How do you solve a problem
like ~~Maria~~ Infrastructure?



Theorem



* This is Traditional Librarianship

Two things

- A clock is always running
- We need to set realistic expectations



Values

- Let's look at what we focus on
- Innovate! ©
- More shiny new things
- This comes at a price



<http://bit.ly/traccess2020>

Will post to chat box now

Recognize that the work takes effort

The Endings Project

Building Sustainable Digital Humanities Projects

How do and how should DH projects conclude?

The Endings Project is a five-year project funded by the Social Sciences and Humanities Research Council ([SSHRC](#)) that is creating tools, principles, policies and recommendations for digital scholarship practitioners to create accessible, stable, long-lasting resources in the humanities.

Some of the questions we are attempting to answer include “how should we preserve projects to retain their dynamic features” & “where should projects be archived?” To learn more about us, visit our [About Page](#).

Recognize that the work takes effort



[Welcome](#)

[About Us](#)

[Connect](#)

[Communities](#)

[Events](#)

[Book](#)

[Blog](#)

[Media](#)

We are

The Maintainers, a global research network interested in the concepts of maintenance, infrastructure, repair, and the myriad forms of labor and expertise that sustain our human-built world. Our members come from a variety of backgrounds, including engineers and business leaders, academic historians and social scientists, government and non-profit agencies, artists, activists, coders, and more.

Abstract Infrastructure

F-ing ~~Magnets~~ Dockers, how do they work?





The image shows a browser window with the URL <https://www.portainer.io>. The page features a dark blue background with a white hexagonal grid pattern. In the top left corner, there is a logo for Portainer, which consists of a stylized building icon above the text "portainer.io". In the top right corner, there is a navigation menu with the items "HOME", "PORTAINER CE" (with a dropdown arrow), and "INSTALLATION". The main content area is dominated by the headline "MAKING CONTAINER MANAGEMENT EASY." in large, bold, white capital letters. Below the headline, there is a paragraph of text in white: "Portainer simplifies container management in Docker, Swarm, Kubernetes, ACI and Edge environments. It's used by software engineers to speed up software deployments, troubleshoot problems and simplify migrations." At the bottom of the page, there is a line of text: "Available on" followed by icons for Linux (Tux), Windows (Windows logo), and Apple (Apple logo), and the text "LINUX, WINDOWS, & OSX".

Simple Container Management x +

← → ↻ 🏠 🔒 <https://www.portainer.io>

 portainer.io

HOME PORTAINER CE ▾ INSTALLATION

MAKING CONTAINER MANAGEMENT EASY.

Portainer simplifies container management in Docker, Swarm, Kubernetes, ACI and Edge environments. It's used by software engineers to speed up software deployments, troubleshoot problems and simplify migrations.

Available on  LINUX,  WINDOWS, &  OSX

Enter RTOD!

- Docker + Portainer + Some Marketing = Research Tools on Demand
- Our 'temporary' infrastructure service offering for researcher at MPOW

Portainer

rtod.library.brocku.ca/#/containers/new

portainer.io

Home

LOCAL

Dashboard

App Templates

Stacks

Containers

Images

Networks

Volumes

Events

Host

SETTINGS

Extensions

Users

Endpoints

Registries

Settings

Create container

Containers > Add container

Portainer support tribaric@brocku.ca

[my account](#) [log out](#)

Name

Image configuration

Registry

Image

[Advanced mode](#)

Always pull the image

Network ports configuration

Publish all exposed network ports to random host ports

Manual network port publishing



What is FromThePage?

FromThePage is free software that allows volunteers to collaborate to transcribe handwritten documents on-line. It's easy to use and annotate subjects within a text using a simple, wiki-like mark-up. Users can discuss difficult writing or obscure words on a page to refine their transcription. Because FromThePage runs in your browser, you can read and transcribe materials from any device -- including tablets and smart phones. The resulting text is hosted on the web, making documents easy to read and search.

Some Attempts

Research-Tools-On-Demand

https://brockdsl.github.io/Research-Tools-On-Demand/

Research-Tools-On-Demand

[View On GitHub](#)

Research Tools On Demand

python Linux MySQL WORDPRESS docker

Using docker containers run through a Portainer interface, the Digital Scholarship Lab offers a variety of tools for collecting, analyzing, and presenting your data that are not offered anywhere else on campus!

Harvesting Tweets for Data Visualisation X +

← → ↻ 🏠 🔒 https://brockdsl.github.io/TWARC_Case_Study/ 📄 ⋮ ↶ ☆ 📄 ⬇️ ⚙️ ↶ ⋮


TWARC_Case_Study

Using TWARC to harvest twitter messages, cleaning the files in R, and doing text analysis and visualization using Voyant

[View On GitHub](#)

Harvesting Tweets for Data Visualisation

Search
Filter
Our Example
Contact Us



Project maintained by [BrockDSL](#)

Harvesting Tweets for Data Visualisation

The Brock University Digital Scholarship Lab has implemented use of the Twitter Archive (TWARC). TWARC is a command line based Twitter harvesting script that is one of many tools available as part of the Digital Scholarship Lab's Research Tools On Demand (RTOD). TWARC can harvest tweets based on keywords in two main ways; search and filter.

Search

The search tool in TWARC can look at every tweet from the last seven days and harvest each one that matches with your keywords. This is great for quickly understanding the latest trends pertaining to a topic.

Filter

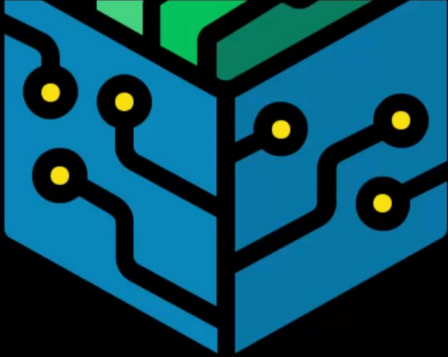
The filter tool in TWARC is an active filter that captures any tweet that matches one of your keywords as it happens. This is excellent if there is an event that spans a few hours or days that you want to gather data on. It can also be used to get an idea of how active a topic is within windows of minutes, hours, days, or even months.

Introduction to Research Tools

https://www.youtube.com/watch?v=...

YouTube

Search



Introduction to Research Tools On Demand (RTOD)

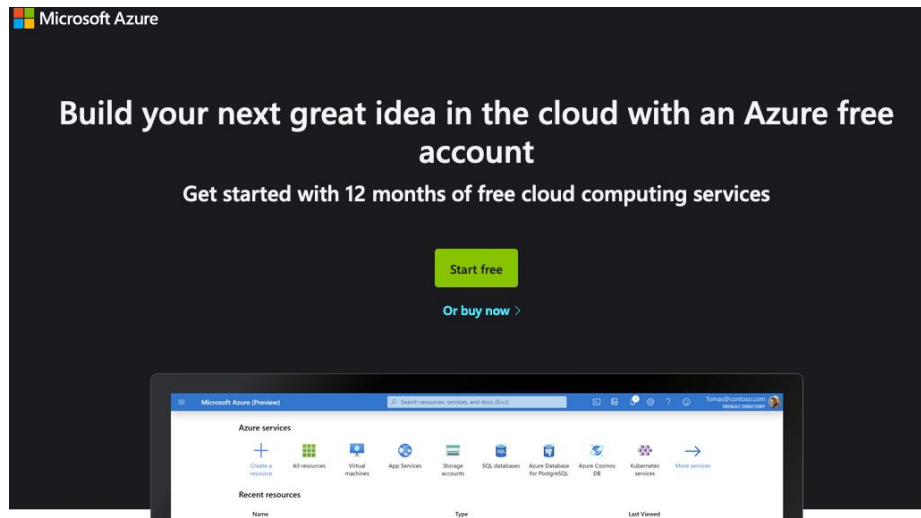
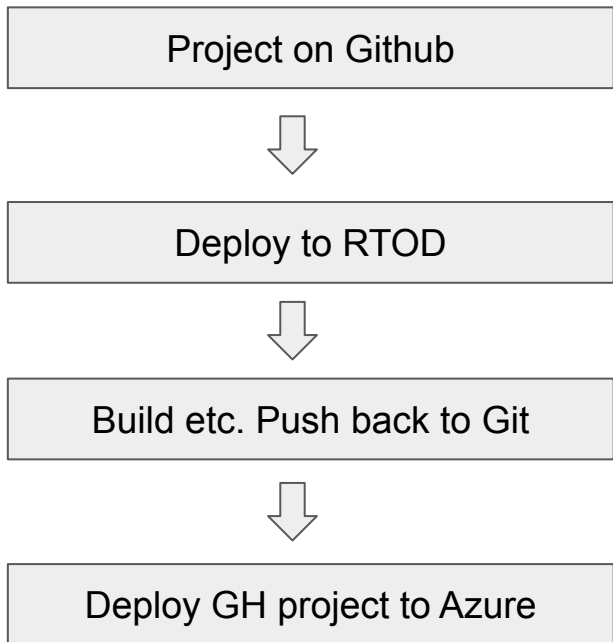
0:14 / 2:18

Introduction to Research Tools on Demand

19 views · Mar 23, 2020

1 0 SHARE SAVE ...

Flip to project to a hosting partner



Some Successes

Google: 'project name' docker

fromthepage docker



All



Videos



Images



News



Maps



More

Settings

Tools

About 1,490,000 results (0.33 seconds)

hub.docker.com › ryanfb › fromthepage ▾

ryanfb/fromthepage - Docker Hub

docker_fromthepage. A **Dockerfile** for building **FromThePage** and running a development server.

Test the build with **docker build** . Tag the build with **docker** ...

Lessons learned

- Don't say stuff like Infrastructure as a Service to potential researchers
- Those that know what this means are already your allies
- A temporary deployable image solution is great, you don't need to convince others of it



Survey Says



Theorem

Faculty members approach us for tools and infrastructure but what they really want is SEO and a shortcut to Google Scholar

Thanks & Questions

Tim Ribaric

tribaric@brocku.ca

@elibtronic

<https://elibtronic.github.io> <- Will post some results from the survey on this site