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| Release Notes – CommonHealth Data Map | | | |
| **Project Name** | CommonHealth Data Map | | |
| **Client Name** | Placefund | **Approved By** |  |
| **Release Date** | 09-11-2020 | **Release Version** | 1.0.0 |

# Introduction

## Document Purpose

This document provides the list of features implemented with CommonHealth Data Map, Source code path and steps to deploy

## Intended Audience

* Nigel Edmead

# Reference Documents

**NA**

# List of Deliverables

## Data Processing Scripts

“**DataProcessing/Scripts**” folder in the repository contains Data processing scripts that read various data sources and save data to ArcGIS Online Hosted Feature Services.

* **ArcGIS\_Covid19\_TimeSeries\_DataSync.py:**  
  A python script to read data from COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University on GitHub. The CSV data is processed to a custom data model to serve the information in ArcGIS dashboard.
* **ArcGIS\_HealthFacility\_DataSync.py:**A python script to read data from master list of health facilities was developed from a variety of government and non-government sources hosted in TCP common health data map ArcGIS GitHub repository. The CSV data is processed to a custom data model to serve the information in ArcGIS dashboard.
* **ArcGIS\_Mobility\_DataSync.py**

A python script to read data from google community mobility. The Google Community Mobility Report is broken down by location and displays the change in visits to places like grocery stores and parks. The CSV data is processed to a custom data model to serve the information in ArcGIS dashboard.

## GitHub Action scripts

**“.github/workflows”** folder in the repository contains GitHub Action scripts

* **ArcGIS\_Covid19\_TimeSeries\_Sync.yml:**

Workflow setup to run ArcGIS\_Covid19\_TimeSeries\_DataSync.py script every day (once a day) 12:30 AM UTC

* **ArcGIS\_HealthFacility\_DataSync.yml:**

Workflow setup to run ArcGIS\_HealthFacility\_DataSync.py script every month (once a month) 12:00 AM UTC

* **ArcGIS\_Mobility\_DataSync.yml:**

Workflow setup to run ArcGIS\_Mobility\_DataSync.py script every Monday (once a week) 1 AM UTC

## Dashboard & ArcGIS Hosted Feature Services

The application uses ArcGIS Online Platform and all the data application uses are ArcGIS Hosted Feature Services. Service Definitions, Views and Webmaps are all saved into **CommonHealthDataMap** folder. ArcGIS Dashboard for Desktop and mobile are configured and are accessible from the same folder.

## Web App

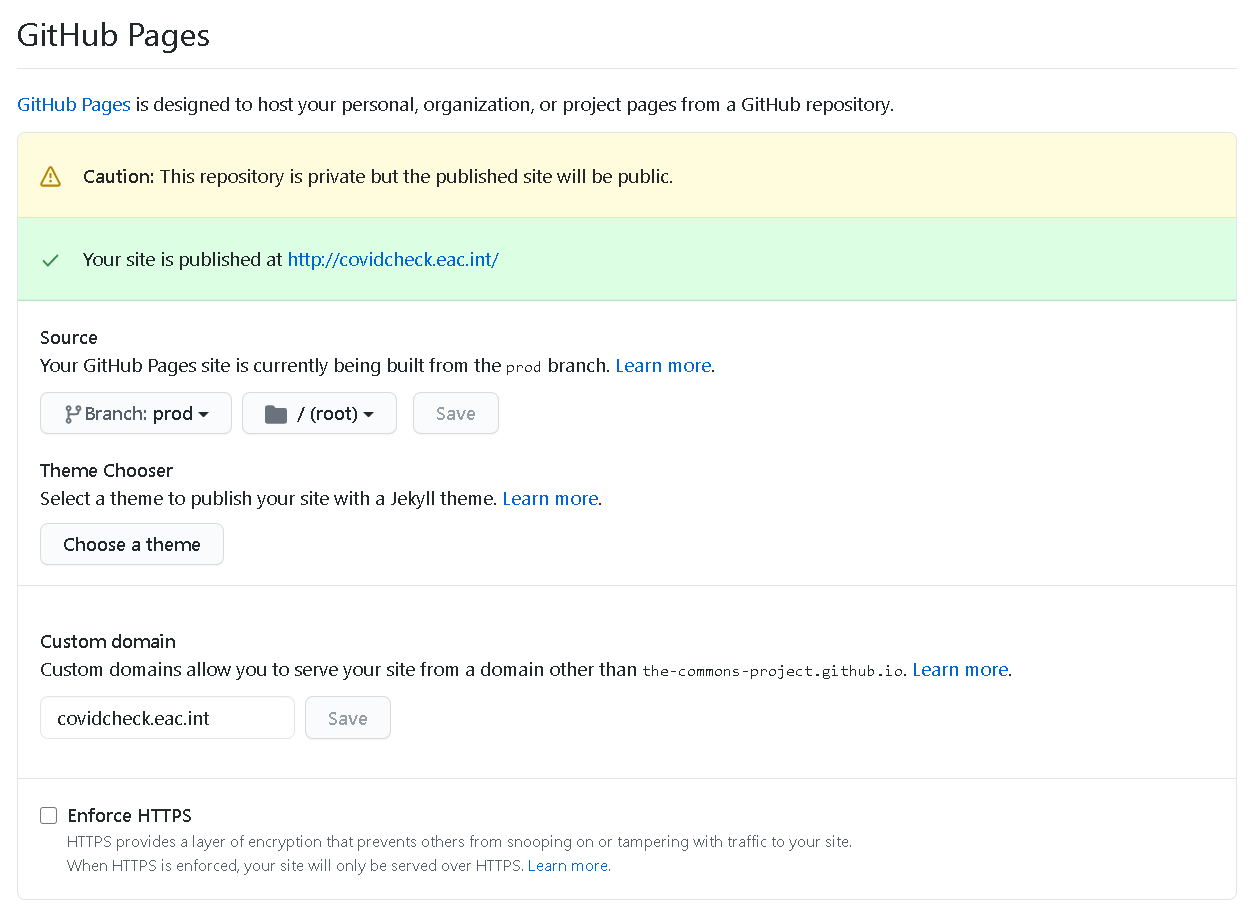
Web App is a wrapper to host Desktop and Mobile versions of dashboard with a single access point URL and load the necessary dashboard based on the device the application is being loaded.

# Steps to Deploy

* App is deployed to GitHub Pages. Any changes to the deployment can be done from **Repository> Settings > GitHub Pages(section)**.
* Steps to setup custom domain are provided in GitHub documentation at below mentioned path:

<https://docs.github.com/en/github/working-with-github-pages/configuring-a-custom-domain-for-your-github-pages-site>

* Once the GitHub repository is setup, pushing new code to prod branch will deploy the application to live (<https://covicheck.eac.int>).



# Known Issues/Deviations/Limitations

* Application when accessed in landscape mode from a mobile loads the desktop version isntead of the mobile version. This is the behavior of experience builder and the related references are provided below:
* <https://community.esri.com/thread/249462-mobile-landscape-view>
* <https://community.esri.com/thread/251602-lock-mobile-layouts-in-arcgis-experience-builder-in-portrait>
* <https://community.esri.com/thread/248289-arcgis-experience-builder-appears-to-be-a-bug-mobile-configuration-doesnt-work-in-landscape-mode>