Developer’s Guide to Privacy Incidents

An introduction to the basic layout of the privacyincidents design and quick how-tos.

This guide assumes that the user has basic GitHub and coding skills.

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| Contributor | Last Modified | Reason |
| Linda Vue | 11/18/15 | First Edit |

# How to obtain a copy of privacyincidents

First, you must request access to be a contributor to the repo. To do so, contact Dr. Jessica Staddon (Jessica.staddon@ncsu.edu) or Yuxu Yang (yyang21@ncsu.edu).

Once access is granted, clone the repo into a local directory for local development. Keep in mind, you must have PHP installed to properly access the site.

# How to access privacyincidents on AFS server

You must request access to the privacyincidents folder on the NCSU AFS server. Contact Dr. Jessica Staddon (Jessica.staddon@ncsu.edu) or Yuxu Yang (yyang21@ncsu.edu) for access.

Upon receiving access, follow the steps below to reach the AFS folder:

$ ssh [unityid@remote-linux.eos.ncsu.edu](mailto:unityid@remote-linux.eos.ncsu.edu)

(enter your Shibboleth password)

$ cd /afs/eos.ncsu.edu/engrwww/sites/research.csc/privacyincidents

You are now in the AFS privacyincidents folder.

# How to access privacyincidents database

Request access to the privacyincidents database by contacting Dr. Jessica Staddon (Jessica.staddon@ncsu.edu) or Yuxu Yang ([yyang21@ncsu.edu)](mailto:yyang21@ncsu.edu)).

Upon access, visit <https://www.webtools.ncsu.edu/phpmyadmin/> to login to the database. The server choice is Web Locker DB Server.

# Developing locally

You can develop locally, however the .htaccess file (which enforces the Shibboleth login) won’t allow you to view the site locally. For some reason, the .gitignore will still push your changes to .htaccess even though you specifically state to ignore it in commits. I’ve temporarily removed the content of .htaccess, or temporarily renamed the file. Don’t forget to change it pack so only the authorized people have access to the site!

Remember, any changes that you develop locally won’t be seen on the remote version until you SSH (see above) into the privacyincidents AFS folder and pull your changes.

# Developing remotely

You can develop remotely by accessing the privacyincidents AFS folder using a network file system, such as ExpanDrive.

# Accessing the site

Our pages are php based pages. To access the page, whether locally or on the server, ensure that you are attempting to access local-or-server-url/privacyincidents/pages/. I haven’t quite figured out yet how to make the URL prettier.

To access the remote version, visit: <http://research.csc.ncsu.edu/privacyincidents/pages>

# privacyincidents folder layout

Below, key files and folders are highlighted.

## privacyincidents/

.git

Git files for version control.

.gitignore

Files that you do NOT want to be pushed to the remote server should be included in this file.

.htaccess

Lists users who have access to the site using Shibboleth

### assets/

Stores the images, javascript, css, fonts, and d3-geomap folders for styling, etc.

assets/css/privacyincidents.css

Stores all of the custom CSS for this site

assets/d3-geomap/

Stores all the needed files for the d3 geomaps.

assets/d3-geomap/data/incident\_counts.csv

CSV file that stores the current incident counts per country. Needed for the choropleth map.

assets/d3-geomap/queries.txt

Stores the query ran in the database to obtain the data for the world map.

assets/imgs

Stores all of the images currently used in the carousel, as well as for the team page.

assets/js

Stores all of the js for the site.

assets/js/worldmap.js

JS for the chorpleth map of incident counts around the world.

documentation/

Stores the documentation for the Privacy Incidents project

### pages/

Stores all of the php and html files that creates the pages. Currently, there is no real structure to the pages folder as we are still on such a small scale.

pages/layout

Stores the header.html and footer.html files that have the main navigation and footer elements for the page. Be sure to include these two files in all future ‘page’ files you create.

pages/actions.php

//to be completed

pages/analytics.php

Where the choropleth math currently lives (and future data analytics)

pages/contribute.php

Where the in-house contribute form lives.

pages/db\_r.php

Stores the read credentials to the database.

pages/db.php

Stores the write credentials to the database.

pages/incidents.php

Grabs all of the incidents from the database. Performs some funky string manipulation to make the tags display prettily.

pages/index.php

The home page of the web portal

pages/team.php

Stores team information