As of January 2018, the Open Observatory of Network Interference (OONI) team started working on revamping OONI Explorer thanks to Mozilla Open Source Support (MOSS).

This report documents our progress so far.

We have re-written OONI Explorer using next.js and we started working on the new design and UX for the new version of OONI Explorer.

**Rewrite OONI Explorer in React.js (using next.js)**

We re-wrote most of the OONI Explorer core functionality in react.js and next.js, the code of which is available here: [https://github.com/ooni/explorer](https://github.com/ooni/explorer).

This has allowed us to leverage the design component system we developed for other OONI software: [https://github.com/ooni/design/tree/master/components](https://github.com/ooni/design/tree/master/components).

What was mostly done during this phase was figuring out how to glue together all the various components at play to get a functioning OONI Explorer (speaking to the measurement API, integrating the react components, etc.) and get a prototype that has almost feature parity with the current OONI Explorer.

A live prototype of this work can be found running here: [https://ooni-explorer-next.test.ooni.io/](https://ooni-explorer-next.test.ooni.io/).

The next step involves coming up with a good user interface for the new OONI Explorer and implementing the features required to get there in both OONI Explorer and the OONI API.
Progress on new design and UX for OONI Explorer

In the past we have received reports of the OONI Explorer interface being confusing to use. These reports have been taken into account in the new redesign.

Based on our Research and Design work on OONI Probe for iOS, we have implemented these design decisions also in the new OONI Explorer Interface mockups, including:

- updated color palette (with canonical color swatches to indicate test groups, status and warnings)
- test Category icons now indicate the category of websites when needed
- Patterns and graphs are used to show statistics in a meaningful way without losing overview
- hierarchy approach on information level: Overview first, detailed information once user goes deeper
We currently have a draft of the Search page including its mobile layout. The Country and Landing Page are currently in the works as we plan for visual and logical consistency of design patterns with the mobile apps OONI offers.
As part of the Explorer redesign, we have also worked on a canonical footer design for all OONI websites, which will unify and connect those together and emphasize on Explorer.

We expect to finish a first iteration of mockups and UX work for the revamped OONI Explorer by the end of April 2018 and will further iterate on those mockups as they get implemented.