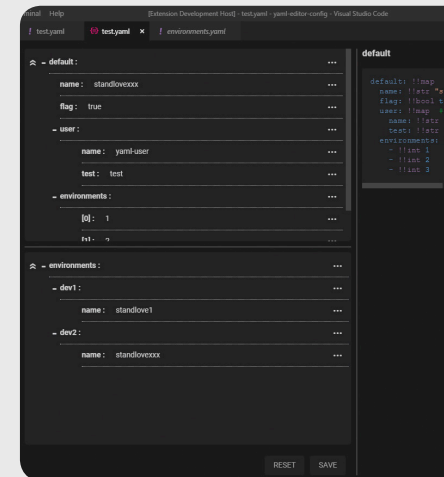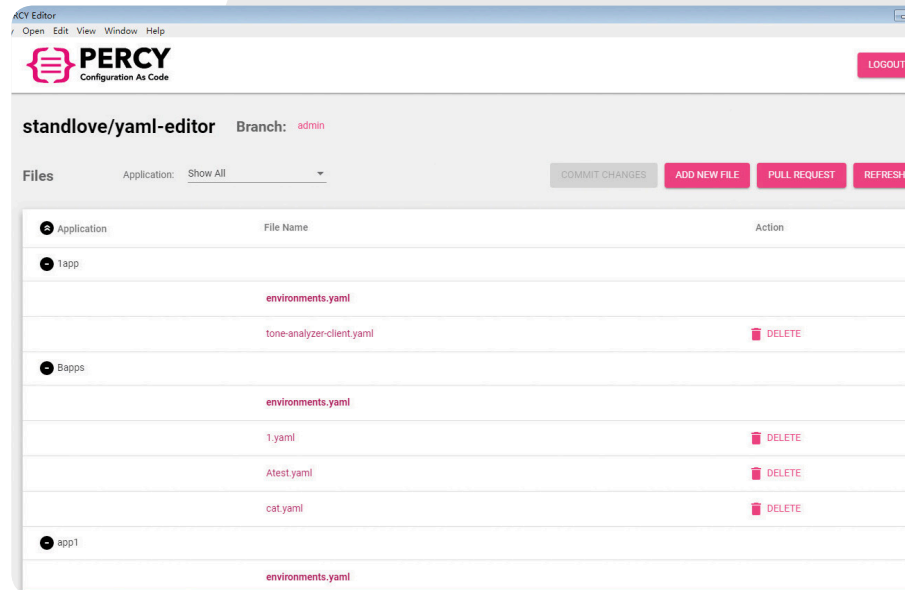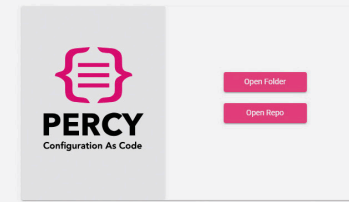# PERCY: "CONFIGURATION AS CODE" EDITOR

Configuration as Code has become a big movement in enterprise software development, and it's no different at T-Mobile. Code management and practices have matured, but with so many applications driven by configuration (i.e., the internal settings), effectively managing configuration has become a new pain point. This becomes even more challenging when testing multiple versions of an application and its configuration. How do you make sense of it all to maintain control? It's a consuming task fraught with human error.

THE SOLUTION

This is where Percy comes in. The Percy editor allows T-Mobile to compress 106 configuration files for 21 different environments — from 918 KB to 5 files at 58 KB. The tool is smart, removing duplication and other re-dundancies using inheritance and variable substitution. Additionally, the tool was built in such a way to maximize its utility. One of the most impressive aspects is that not only is the UI built with the same stack as T-Mobile's enterprise applications (e.g., Angular 7, Material Design, NgRx) but that it can also be packaged and deployed in the following four ways:

- Simple app.js and index.html — to be deployed to a CDN
- Docker container using NGINx to host the app
- Electron desktop application for Windows, Linux and MacOSX
- VSCode extension

THE OUTCOMES

05 DELIVERABLES

33K TOTAL COST

07 MONTH TIMELINE