FireRate

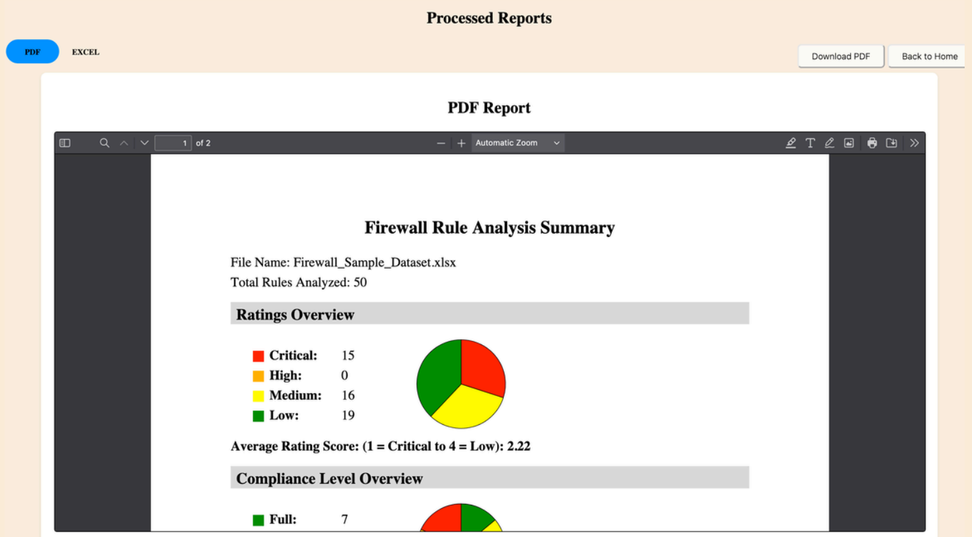
Ryan Abraham, Wyman Li, Jason Ni, and Simon Wu
College of Computing Informatics (CCI) Drexel University

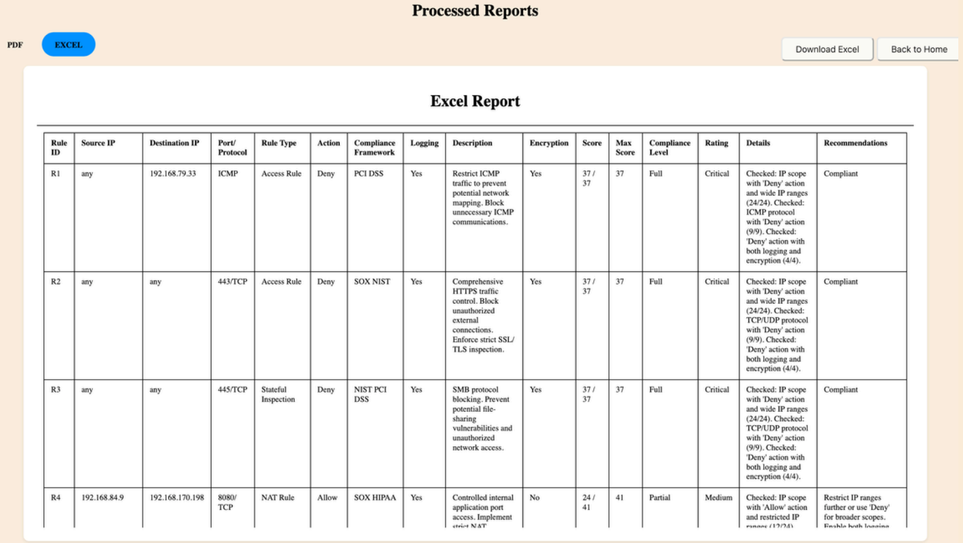
Purpose

- Our goal is to provide users the tools to educate and learn how to better secure their firewalls
- FireRate is a tool that assesses firewall rules through the lens of industry standard regulations like NIST.
- After uploading a formatted file of their firewall rules it will be rated and given recommendations

Technology

- FireRate is a locally-hosted web application.
- The website is designed primarily with HTML, CSS, and Javascript.
- Our script that is run through the Firewall Analyzer is created with Python.
- The FireRate team utilized Gitlab and a storyboard to deligate and faciliate task distribution.





Scoring Rubric

- Our script is based off NIST SP-800-41 Guidelines on Firewalls and Firewall Policy

Processed Reports

- After analysis reports will be available in PDF and Excel format.
- The PDF will provide more digestible and easy to see information.
- The Excel file will provide more detailed and lengthy analysis

FireLearn

- The goal of FireLearn is to provide educational content so that users can learn more about securing their firewalls.
- Articles to teach users about different topics like what NIST is and their importance
- There is a quiz section that tests general knowledge of firewalls