

Beta Presentation Insider Threat Detection

The Capstone Experience
Team AppDynamics

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Project Overview

- Use AppDynamics' controller as the source of data
- Run a threat detection algorithm on the data
- The algorithm uses machine learning and kernel density estimation.
- Algorithm determines user's tendencies and finds any anomalies from those tendencies
- Display the results of the algorithm on the web app
- Allow user to take action on suspicious account

System Architecture

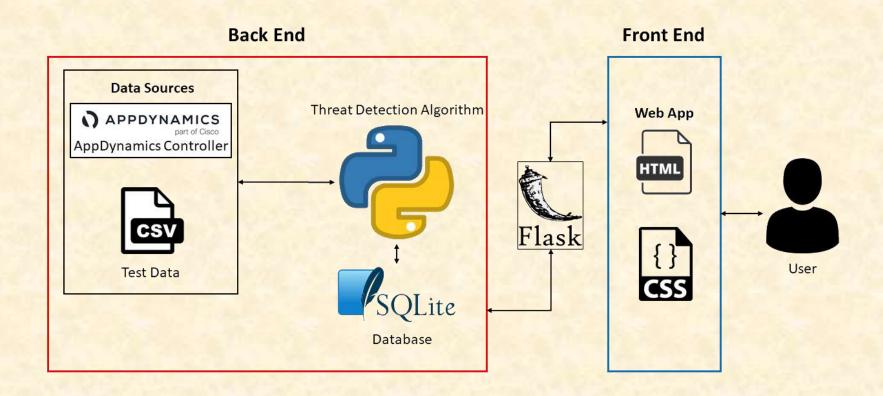
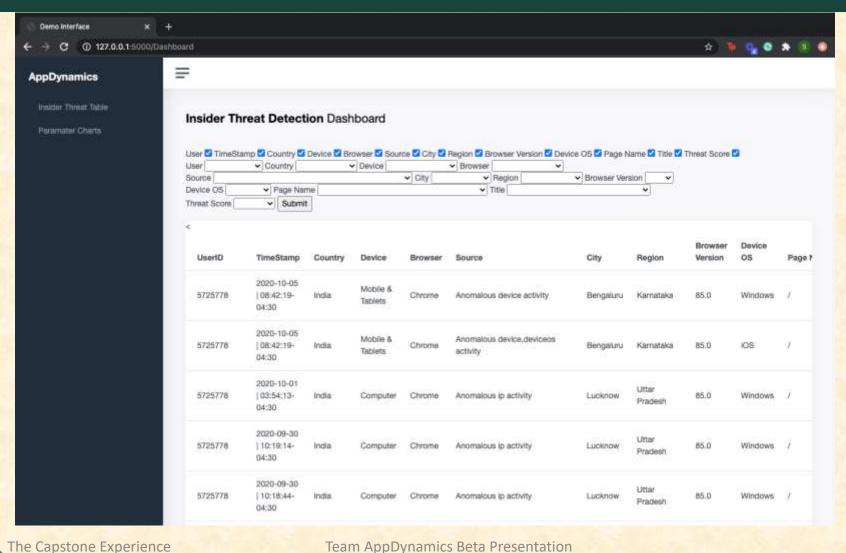
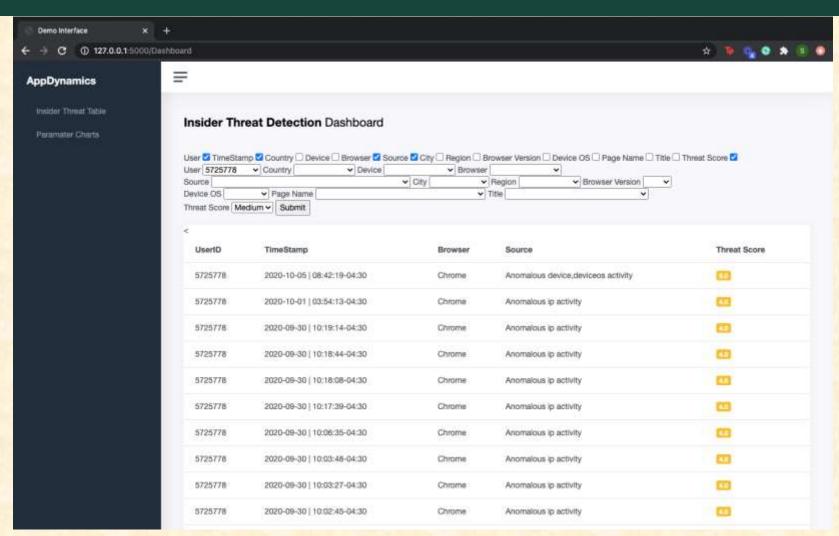


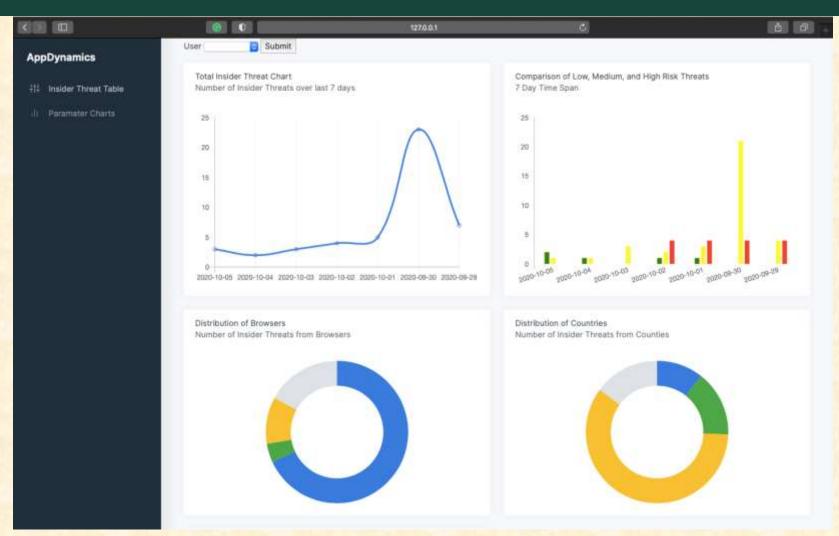
Table of Reported Activity



Filtering and Customization of the Table

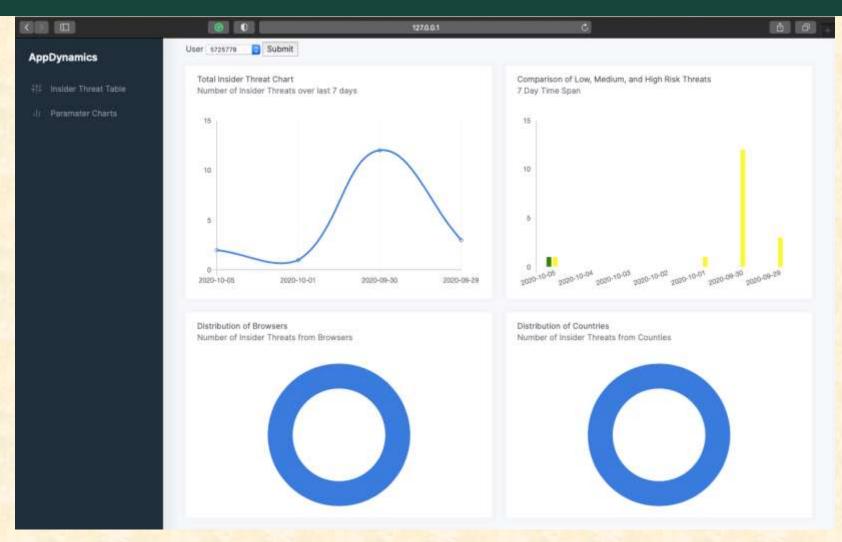


Graphs of the Activity





Filtering the Graphs based on User





What's left to do?

- Save checkbox and filter states
- Optimize algorithm
- Customization of graphs

Questions?

