

9th October 2022

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FYP-22-S3-11 Identifying cryptographic functions in Blockchain systems

Overview

Added Ripple into the web application system, optimisation of web application runtime files. Performance of the script's function runtime execution, We can give suggestions based on checking any unused variables or any unnecessary loops which are running at the time of execution.

Work completed

Added Ripple into web application
Script detection of cryptographic performance

List of Completed Work Items/Activities:

Sno	Work Item	When completed	Comment
1.	Added Ripple into web application	8th October 2022	
2.	Script detection of cryptographic performance	8th October 2022	

Current Work

List of Current Work Items/Activities:

Sno	Work Item	% Completed	Expected Completion Date
1	Python script detection (Enhancement)	60%	14th October 2022
2	Information gathering for libraries API	50%	14th October 2022

Future Work

Still working on the python script detection, to improve its ability to determine the most dominant cryptographic function, setting up matrices for each function and dominate function. Working on information gathering on the cryptographic libraries API

Problems Encountered

Needed more packages to create matrices for each package such that the script will be able to "learn" and identify the most dominant function.

Overall Assessment

Still need to do more research and findings to resolve this challenge.

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