5CCS2OSC
Operating Systems and Concurrency

Marker Feedback

Group ID: 46

Mark: 77.5%

1 Topic selection and quality of research (Task-1)

The team has selected the topic of smart contract security, a novel and increasingly trending topic in the computer science domain, especially in the last few months. The research undergone by the team is of good value, and the team presents in detail a few of the most common smart contract attacks, although there are also many others worth mentioning, such as arithmetic overflows, miner tampering because of improper use of timestamps, improper instruction order, etc. In addition, it would have been interesting to include more code exhibits of both the attacks, as well as their prevention techniques.

2 Implementation (Task-2)

The team has respected the assignment guidelines with respect to the number of slides. The slides seem to be consistent in design and easy to read, and the few source code additions enhance the understanding capability for the observer. It would have been interesting to experiment more with graphics as well, such as figures and images, where words are not necessarily the best way to describe some concepts.

3 Presentation creativity (Task-3)

The team have proven their creativity through the following aspects:

- The use of original thinking as part of the speech, which demonstrates a good understanding of the topic covered

- The use of code snippets to complement the speech, which provide clarity to the listener regarding the way the DDoS attack would look like

4 Documentation and group work experience (Task-4)

The first part of the documentation conveys the message of the work, and it clearly provides further information that was not already mentioned in the presentation, although the team have not used their references as citations in the body of the text.

The second part of the report covers the role of each group member, although the coverage of the view of the team regarding the flexible assessment and the possible improvement opportunities for the team is limited, and it does not necessarily provide appropriate insight into how the flexible assessment has impacted learning for the team.