

CSE 545: Software Security

PCTF Status Update

Team Name

Team0xC

Team Members

- Joshua Gomez, joshuago78@gmail.com
- Jonathan Chang, jachang3@asu.edu
- Michael Kotovsky, michael.kotovsky@intel.com
- Jonathan Ong, jong16@asu.edu
- Kumar Raj, kraj6@asu.edu
- Mehran Tajbakhsh, mehrantajbakhsh@gmail.com

Project Goal

What is the goal of your project?

To automate the discovery of attacks against us and the execution of attacks against our opponents.

Accomplishments and Contributions

What has been accomplished so far and how has each team member contributed?

- Joshua Gomez:
 - Github setup
 - created Team0xC organization account and PCTF Project Kanban board
 - created CLAMP repo, README, and module placeholders)
 - Database:
 - designed table schemas
 - code ORM models (SQLAlchemy) & instantiated the central DB (SQLite3)
- Jonathan Chang:
 - Began work on executor script
 - Created template for attacks scripts

- Michael Kotovsky:
 - Recommended tools for traffic capture and logging
- Jonathan Ong:
 - Began work on multiple checklists:
 - 1st hour server prep
 - service vulnerability analysis and patching
- Kumar Raj:
 - No contributions yet. Work on the Analyzer is/was dependent on other components of the project (especially the database and logger)
- Mehran Tajbakhsh:
 - No contributions yet. Work on the Analyzer is/was dependent on other components of the project (especially the database and logger)

Updated Plan and Timeline

What are the remaining project needs and deliverables and who are the responsible team members for these?

Course High-Level Timeline for Planning

- Week 4: PCTF Status Update due
 - *Recommended virtual meeting with course team member*
- Week 5: *Recommended virtual meeting with course team member*
- Week 6: PCTF Game Play
- Week 7: PCTF Final Report due

Due Date	Responsible Party(ies)	Action Item
2/10/22	Michael Kotovsky	Logger <ul style="list-style-type: none"> • Document configuration & provide sample logs • Write filter scripts (if needed)
2/13/22	Jonathan Ong	Patcher <ul style="list-style-type: none"> • Complete checklists
2/13/22	Mehran Tajbakhsh Kumar Raj	Analyzer <ul style="list-style-type: none"> • Complete basic functionality • Include tests
2/13/22	Jonathan Chang	Executor <ul style="list-style-type: none"> • Finalize executor • Include tests

Course Team Questions

What questions do you have for the course team?

1. No questions

References

What resources and references materials have you been using to support your team's project development? Use IEEE format (formatting reference: [Owl Purdue: IEEE Style > Reference List](#)).

R. Mukherjee. "CISCO SECCON AD-CTF 2020". Medium. <https://medium.com/csictf/cisco-seccon-2020-ad-ctf-2614b27f387a> (accessed January 16, 2022).

A. Doupé. "Software Security - S16". adamdoupe.com. <https://adamdoupe.com/teaching/classes/cse545-software-security-s16/projects.html> (accessed January 24, 2020).

Submission Directions for Project Deliverables

Your team's PCTF Status Update must be a single PDF or Word doc with the correct naming convention: Your Team Name_PCTF_Status Update.

You *must* submit your team's PCTF Status Update in the designated submission space in the course. Students may **not** email or use other means to submit the project for course team review and feedback.