## Agenda for Eighth Meeting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| **Skyward Federal**  **COPS Platform** | | **3/05/2020**  **2:15 PM to 2:45 PM**  [**https://meet.google.com/ecp-fedi-fbo**](https://meet.google.com/ecp-fedi-fbo)  **NCSU – EB2-2295** | | |
|  | | | | |
|  | | | | |
| Type of meeting: | Iteration 1 Progress | Note Taker:  Facilitator: | Jonathan Balliet  Jeen Shaji | |
|  | | | | |
|  | | | | |
| Invitees: | Jonathan Balliet, Jeen Shaji, Daniel Mills, Caleb Boswell, Spencer Yoder, Erin Kotlyn, Danny Caudill | | | |
| Please read:  Meeting info: | Questions Below  <https://meet.google.com/nnq-gcra-fep> | | | |
| **Agenda** | | | | |
|  | | | | |
| Agenda Overview | | All | | 5 min |
| Updates | | All | | 15 min |
| Questions | | All | | 10 min |
| Action Items & Next Meeting | | All | | 5 min |
| **Additional Information** | | | | |
|  | | | | |
| Resource persons: | Dr. Jason King, Ms. Margaret Heil, Mr. Richard Kaufman, Erin Kotlyn, Danny Caudill, Ryan Carr | | | |

**Update**

* Interim Project Report is due on Friday
* SEPostgress issues:
  + Sparse documentation for sepolicy generate
  + Policy modules have to be assigned to a binary executable
  + We don’t know if there’s an easier way or not
* Working on implementing the Course Manager system
  + Completed models and user controller
  + Have pyunit tests done
  + Need to check coverage
  + Can’t test security stuff yet
* Iteration 1 is not fully completed, however, we do have Course Manager working with a test sqlite database
* Demo progress we’ve made on Course Manager

**Questions**

* All we need to implement as far as security, is ensuring that certain user types only have access to certain file types. We’re trying to create our own security policy module right now. Is there a simpler way to do this in SELinux?
  + There is some default policy. We should look into it, and see if we can just get away with just labeling
  + Might not have any concept of categories, only considers labels
  + Search for existing example security policies?
  + Go with the strict base level SLEinux first, then we can working on tweaking the policy
* To make sure we are all on the same page.. which of these are stretch goals and how should we prioritize them?
  + Container runtime - supporting multiple running container instances using Kubernetes
  + Front-end interface for Course Manager Mock System
  + Data encryption
  + IdAM
  + **Answers**
    - Bottom 3 are definitely stretch goals
    - If container runtime is especially difficult, we can consider it a stretch goal
    - As long as the SELinux labeling aspect works, the project is a success
    - Container just makes it easier to show off the system
    - Label the running process with the same level as the user
    - The orchestration of multiple containers is considered a stretch goal, but running inside a single Docker container is still in scope
    - Priorities?
      * For front end, an administrative view would be valuable, and having some baseline GUI would be good for demo
      * Have SELinux logs in parallel to show that something was denied in the back end
      * Demo by showing what happens with the security features turned off vs. turned on
      * Data encryption should probably be the next priority
* What do you think we can improve on?
  + Danny and Erin are happy :)
* Is there gonna be a team coming in after? And what kind of artifacts should we leave behind for them?
  + Potentially
  + The documentation we produce for Skyward would be the same they would provide for the next team

**Next Meeting**

* Spring Break next week! Next meeting is on Thursday, 03/19