OpnLaaS Sprint Review

Sprint Goal

Goal: Enable students and faculty to manage resources through a web interface, and create virtual machines on proxmox.

Specific Goal: Create a resource management dashboard in the web UI, and allow users to interface with proxmox so they are able to create/manage VMs.

Stretch Goal: Implement logging to keep track of changes to virtual machines.

Responsibilities

- Feature 1: User & Resource Dashboard
  - Dan McCarthy
  - Kestutis Biskis
- Feature 2: Virtualization Integration
  - Evan Parker
  - Matt Gee
  - Alex Houle

Backlog Review

User & Resource Dashboard

Item	Status	Discussion
View existing resources on dashboard	DONE	n/a
Add new resources to dashboard	DONE	n/a
Manage resources on dashboard	DONE	n/a

Github Issues:

- OPNLaaS #3 (Create landing page)
- OPNLaaS #4 (Create login page)
- OPNLaaS #5 (Create Public Dashboard)
- OPNLaaS #6 (Create Admin Dashboard)
- OPNLaaS #7 (Setup host API on backend)
- OPNLaaS #13 (Setup tailwind on frontend)
- OPNLaaS #28 (Add new website logo)
- OPNLaaS #62 (Improve admin dashboard)

Virtualization Integration

Item	Status	Discussion
Create virtualized containers	DONE	Functional on backend, needs to be added to frontend
Add virtualization to frontend	IN PROGRESS	n/a

Github Issues:

- OPNLaaS #20 (Proxmox virtualization integration)
- OPNLaaS #21 (Handle ISO upload)
- OPNLaaS #48 (Add support for PXE boot)
- OPNLaaS #65 (Add virtualization to frontend)

Demo Video

Below is the link to our demo video:

https://universitysystemnh.sharepoint.com/:v:/t/UNHCybersecurityClub/EWciRNk3bqNCmmbuOla_vwwB5d1j6d_u7dLiylZ53k18UQ?e=aD9Aga

If this link is not functional, please email `csc@cs.unh.edu` to fix the issue on our Sharepoint.

Next Steps

- Integrate virtualization to the frontend
- Create booking system
- Expand permission system for user accounts