

Sprint Review Meeting Minutes

Attendees: Nikolas Tsalikis, Anthony Pacheco, Lucca Pinto, Federico Marrero, Katherine Cruz

Start time: 9:20 PM

End time: 9:50 PM

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story #1: Established the desired location for our VPN server through the Vultr VPS.
- User Story #2: Established the minimum specs for our VPN server such as the amount of cores for the CPU, RAM, storage, and bandwidth based on the number of clients we intend to have.
- User Story #3: Review the different encryption cipher options and determine the sweet spot for convenience and security.
- User Story #4: Initiated the creation of a Bash script to help automate processes such as adding/removing clients and managing configuration settings.
- User Story #5: Review how to integrate the client OpenVPN profiles based on the client's operating system(MacOS, Linux, Windows, IOS, etc.)
- User Story #6: Determined that we will not be using IPv6 due to its complexity of interacting with firewalls and port forwarding.
- User Story #7: Initiated the creation of a UI to monitor the VPN server and information about client connections such as if they are actively connected and how long they have been connected for.
- User Story #8: Implemented basic security hardening measures for the VPN server. This includes configuring firewall rules (UFW/iptables), disabling unnecessary services, enforcing SSH key-based authentication, and changing default ports where applicable. This ensures the server environment is secured beyond just VPN-level encryption.
- User Story #9: Test different diffie hellman parameter values to establish a secure connection for symmetric encryption between the clients and server.
- User Story #10: Consider adding another certificate authority to allow clients to authenticate against different trusted CAs.
- User Story #11: Reconfigure firewall settings through UFW to allow necessary ports for our client monitor UI.
- User Story #12: Continue to test scripts to make sure they copy certifications and keys correctly.
- User Story #13: Update the server configuration file to include necessary fields in the status log.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- None of the user stories were rejected or backlogged for a future sprint.