

Issues on the CL

- Wget was not installed. It is needed to install the test app.
- Attempted to install via homebrew. Homebrew had issues. Homebrew is a shallow clone error
- Executed git fetch --unshallow
- Update and upgrade brew ran into issues there. -> `xcrun: error: invalid active developer path - https://ma.ttias.be/mac-os-xcrun-error-invalid-active-developer-path-missing-xcrun/`
- Update and upgrade took a while
- Wget error - missing URL
- `'https://qa-broken-hashserve-jc.s3.amazonaws.com/broken-hashserve.tar': Scheme missing. - remove quotes`

Future Improvements to automation testing

- Containerize the project with docker to remove the burden of having to install python dependencies
- Improve some test cases
 - Test case 1: Add counter to ensure 5 second wait is being respected
 - Test case 5: Test against json schema
- Add some test cases
 - Add concurrency for some of the edge cases listed in the spec sheet
 - No additional password requests should be allowed when shutdown is pending.
 - Add tests to determined base64 password is accurate
- Things to investigate: base64 password - saw mixed results when confirming the accuracy of the base64 password

Testing strategy:

- Positive and negative testing endpoint for functionality testing
- Use strings known for causing issues
 - <https://github.com/minimaxir/big-list-of-naughty-strings/blob/master/naughtystrings/internal/resource.go#L902>