

## Project

Password hashing application

## Issue Type

Bug

## Summary

Hashes should be identical but they are not

## Priority

Major

## Description

Steps to reproduce:

1. Open Terminal and run the following command:  

```
curl -X POST -H "application/json" -d '{"password":"angrymonkey"}'  
http://127.0.0.1:8088/hash
```
2. This command will give you value (a number) in carriage return, five seconds after running the command.
3. Take the value that you received in step 2 above (in this case, 5), and run the following command:  

```
curl -H "application/json" http://127.0.0.1:8088/hash/5
```
4. After running step 3 above, it returns a hash that looks like this:  
`NN0PAKtieayiTY8/Qd53AeMzHkbvZDdwYYiDnwtDdv/FIWvcy1sKCb7qi7Nu8Q8Cd/MqjQeyCI0pWKDGp74A1g==`
5. Run `echo {password} | sha512sum` then press enter. The result should be a hash value. For example:  
`echo angrymonkey | sha512sum` then press enter. It should give you the following hash.  
  
`306a28214c1879231768505cd18404b6b089bb8d3f299d781fae14826db8203e548a3fe66abb81cef69544924a085add658a172443fc62497985f9385565ef1a`
6. "echo" the hash value from Step 5 in Terminal with pipe base 64:  

```
echo  
306a28214c1879231768505cd18404b6b089bb8d3f299d781fae14826db8203e548a3fe66abb81cef69544924a085add658a172443fc62497985f9385565ef1a | base64
```

The hash returned in step 6 should be equal to the hash that we received in Step 3, but it's not. See the attached screenshot.

## Attachments

[illegible]

**These two hashes should be similar but they aren't**