

SSHA Password Hashing

This directory contains an example of hashing passwords in SSHA format. Some schools may prefer doing this rather than sending plaintext passwords in the `users.CSV` file.

The password is generated following the following process:

1. calculate the sha1 hex digest of the password plus the salt
2. append the salt to the end
3. calculate the base64 string
4. prepend "{SSHA}"
5. return the result

The result will end up looking like the following (which is the sha version of the password *password* and the salt *asdf*).

```
{SSHA}NjViMjRhYmZjODc2MTA1YzFiYTg4ZDQ4MThiMDNkMmUyN2RIOTQ5M2FzZGY=
```

A CSV file with this information would look like the file `users_hashed.csv`.