

LAB :: File Checksum Integrity Verifier

Download Microsoft File Checksum Integrity Verifier from the following link:

```
https://www.microsoft.com/en-us/download/details.aspx?id=11533
```

Extract it some location. It will extract two file; `fciv.exe` is a command line utility that computes and verifies hashes of files and `ReadMe.txt` is for instruction.

1. Lets check the hash of `ReadMe.txt` file.

```
fciv.exe ReadMe.txt
```

The output will be following:

```
79ac8d043dc8739f661c45cc33fc07ac readme.txt
```

The default hash is `MD5` . To check the `SHA-1` use the flag `-sha1` and `-both` for `MD5` & `SHA-1`

```
fciv.exe -sha1 ReadMe.txt  
fciv.exe -both ReadMe.txt
```

2. Now edit the `ReadMe.txt` and calculate the hash again. The hash will not be the same.
3. Rollback the `ReadMe.txt` file and recalculate the hash.