Testing Log

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Testing Date** | **Objective ID** | **Testing Scenario and hypothesis** | **Tested Operating System** | **Expected Output** | **Actual output** | **Reason for error**  **(if applicable)** | **Fix details**  **(if applicable)** | **Fix Duration**  **(if applicable)** |
| 12/01/15 | 13 | Does the software install and run | Windows 7  (workshop) | Install and main window shows successfully | Error messages on start-up of program | SQLCE DLL problems | Ongoing Search | 35 mins+ |
| 12/01/15 | 13 | Does the software install and run? | Windows 8.1  (workshop) | Install and main window shows successfully | Program errors and closes | Unknown (Likely to be as above) | Ongoing Search | 10 mins + |
| 13/01/15 | 13 | Does the software install and run? | Windows 7  (S2-022) | Install and main window shows successfully | Window Shows if using 1-click but doesn’t update if republished | No admin Access to run installer | Become admin? Don’t test on college network | N/A |
| 13/01/15 | 1 | Can users seen connected drives | Windows 7  (S2-022) | All drives can be listed | Drives can be seen |  |  |  |
| 13/01/15 | 2 | Can the user add a drive for backup | Windows 7  (S2-022) | Drive is added for backup | Record is created successfully |  |  |  |
| 13/01/15 | 3 | Can a user backup the drive? | Windows 7  (S2-022) | Drives files appear in destination directory | Button stays depressed, takes a long time to run, system goes not responding | System.outOfMemory error  Hashing 3GB isn’t liked. 32 bit parameter. Need to hash beter! |  |  |
|  | 10 | Can multiple backups run at once? |  | Multiple backups run, with no errors or corrupt data |  |  |  |  |
|  | 11 | Can a drive be hashed |  | A hash for a drive is calculated | Attempt made | Tries to store entire drive in memory, runs out! |  |  |
|  | 15 | System uses little system resources when idle |  | System uses less than 1% CPU and 15kb |  |  |  |  |
|  | 16 | System uses little resources when UI is open |  | System uses less than 5% CPU and 30kb ram |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
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# Testing Notes:

* Installation is going to take a long time if all these prerequisites are actually needed! (10+ minutes so far!)
* Hashing algorithm stores the entire file in memory, this causes program to crash. Needs fix