# CN REST - Bug #8867

## CNCore.listChecksumAlgorithms() returns incorrect list

2020-08-06 00:06 - Matthew Jones

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| **Status:** | New | **Start date:** | 2020-08-06 |
| **Priority:** | High | **Due date:** | |
| **Assignee:** | Jing Tao | **% Done:** | 0% |
| **Category:** | d1_cn_rest | **Estimated time:** | 0.00 hour |
| **Target version:** | | | |
| **Story Points:** | | | |

**Description**

The definition of the ChecksumAlgorithm type in SystemMetadata allows any checksum algorithm listed in the Library of Congress vocab. But the current CNCore.listChecksumAlgorithms() implementation only returns two, MD5 and SHA-1. Need to correct this to include the full list of supported algorithms (see http://id.loc.gov/vocabulary/preservation/cryptographicHashFunctions.html).

The implementation of this is in a property file, which needs to be updated with the correct list. The file (d1_cn_rest/src/test/resources/org/dataone/configuration/node.properties) currently contains:

cn.checksumAlgorithmList=SHA-1;MD5

But it should contain all of the other valid algorithms as well from the LoC.