## CryptyFile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property Name** | **Datatype** | **Size** | **Example** | **Description** |
| Hash | Byte | 40 | 0F01ED56A1E32A05E5EF96E4D779F34784AF9A96 | The hash of the original plaintext data |
| File name | String | 60 | MyDocuments.zip | The name of the decrypted file |
| Part Number | Integer | 4 | 3 | The position of the file in the collection |
| Total parts | integer | 4 | 14 | Total parts in the collection |
| Compressed | Boolean | 1 | True/False | Has the plaintext data been compressed before encryption |
| Version | String | 3 | 001 | The version of the file header |
| Data | Byte array | Variable | 54 68 69 73 20 77 65 62 20 75 74 69 6c 69 74 79 20 69 73 20 66 6f 72 20 70…(HEX) | The bytes of the file |

## Other

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property Name** | **Datatype** | **Size** | **Example** | **Description** |
| Current Version | String |  | 1.0.0 | The current version of the program |
| Latest Version | String |  | 1.2.0 | The latest available version of the program |

## 

## CryptyFileList

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property Name** | **Datatype** | **Size** | **Example** | **Description** |
| Files | Array of CryptyInfo |  |  | An array of the CryptyInfo classes |

**CryptyInfo**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property Name** | **Datatype** | **Size** | **Example** | **Description** |
| File Name | String | 30 | MyDocuments.zip | The name of the file to be encrypted |
| Status | String | 9 | Encrypted/Decrypted | If the file is encrypted or decrypted |
| Size | String | - | 1024 KB | The size of the file in Kilobytes |
| Path | String | 100 | C:\Users\Username\Desktop\MyDocuments.zip | The path to the file. |
| Date Modified | String | 10 | 19/10/2013 | The date the file was modified |
| File hash | String | 40 | 0F01ED56A1E32A05E5EF96E4D779F34784AF9A96 | The hash of the plaintext data |
| Part Number | Integer | 3 | 3 | The part number of the split file |
| Total Parts | integer | - | 10 | The total number of parts a file has been split into |