File

|  |  |
| --- | --- |
| Type: | PropertySet |
| Name: | File |
| Id: | 79d40648-02ba-4055-b700-01dce32196ec |
| Visual: | &phi;<i>File</i> |
| Tooling: | phFile |
| Version: | 1.0 |

## Definition

A token class that implements this property set will have a file property or field with a Read/Query and Set control

## Example

Storing an authentic reference for a file, hash type, hash, uri path, etc. Can be used to detect file tampering when compared with the file from storage.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Cold Storage | Placing a digital copy of an agreement, receipt, etc. in digital storage and store its tamper detection information and location in a token on the blockchain. |

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |
| Roles should be used to control what accounts can set the File Property. | r | [ ] |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | file.proto |  |
| Uml | file.md |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Code 1 | Daml |  |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| Implementation | Implementation 1 | ChaincodeGo |  |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |
| Resource | Regulation Reference 1 |  |  |

# Property Set

### Properties

#### Name: File

Value Description: Contains the file for the token.

|  |  |
| --- | --- |
| Name | Value |
| FileName | The file name |
| Path | An absolute path for retrieving the file. |
| FileHash | Hash of the file to validate its integrity. |

Template Value:

### Invocations

#### GetFile

Id:

Description: Request the value of the File property

##### Request

Control Message: GetFileRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| File | File object or variables for the property proto. |

##### Response

Control Message: GetFileResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| File | Returning the value of the File. |

#### SetFile

Id:

Description: Set the Value of the File Property, note if Roles should be applied to the Setter.

##### Request

Control Message: SetFileRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| File | The File property proto. |

##### Response

Control Message: SetFileResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | Returning the value of the set request. |

### Properties