OriginalArt

|  |  |
| --- | --- |
| Type: | TemplateDefinition |
| Name: | OriginalArt |
| Id: | 129a78b5-f9a7-4908-8ece-e9e015dd8301 |
| Visual: | &tau;<sub>N</sub>{<i>s,t</i>} |
| Tooling: | tN{s,t} |
| Version: | 1.0 |

## Definition

A singleton is a non-subdividable whole token with a quantity of 1. Generally used to represent digital or physical items where there will be a single owner. A singleton implies non-subdividable, so the decimal value for the base token should be 0 and a total Quantity be 1, both are established upon creation. This singleton is transferable

## Example

This token could be used to represent an original work of art like a painting.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Painting | A token representing ownership of an original, single piece of art like a painting. |

## Dependencies

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

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |
| Behavior | d | 6e3501dc-5800-4c71-b59e-ad11418a998c |
| Behavior | m | f9224e90-3cab-45bf-b5dc-0175121e2ead |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |

## Artifact Files

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

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |

# Template Definition

## Template Formula Reference: tN{s,t}

Name: tN{s,t}

Id: 89ff775c-27f1-494e-b31c-f3fb3a9527ac

Reference Notes: OriginalArt

# Base Details

|  |  |
| --- | --- |
| Token Name: |  |
| Symbol: |  |
| Owner: |  |
| Quantity: | 0 |
| Decimals: | 0 |
| Constructor Name: | Constructor |

# Behaviors

## Behavior Reference: Singleton

Reference Notes: Singleton

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

### Applies To

### Invocations

### Influence Bindings

### Properties

## Behavior Reference: Non-Subdividable

Reference Notes: Non-Subdividable

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

### Applies To

### Invocations

### Influence Bindings

### Properties

#### Name: Decimals

Value Description: Set to Zero, not allowing any subdivision, usually this is applied to the base token.

Template Value: 0

### Invocations

#### GetDecimals

Id: 2ca7fbb2-ce98-4dda-a6ae-e4ac2527bb33

Description: Should return 0

##### Request

Control Message: GetDecimalsRequest

Description:

###### Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response

Control Message: GetDecimalsResponse

Description: Return 0

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Decimals | 0 |

### Properties

## Behavior Reference: Transferable

Reference Notes: Transferable

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

### Applies To

### Invocations

#### Transfer

Id: 5d4b8f10-7857-4a2f-9b8c-d61e367a6bcc

Description: >A transfer request will invoke a transfer from the owner of the token to the party or account provided in the To field of the request. For fungible or subdividable non-fungible tokens, this request may also include value in the Amount field of the request to transfer more than one token of the class in a single request.

##### Request

Control Message: TransferRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| To | AccountId to transfer ownership to. |
| Quantity | Number of tokens to transfer. |

##### Response

Control Message: TransferResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or error may be returned to the owner based on the outcome of the transfer request. |

#### TransferFrom

Id: 516b4e2f-4a14-4c4f-a6f2-1419d4af35c6

Description: >A transfer request will invoke a transfer from the owner of the token to the party or account provided in the To field of the request. For fungible or subdividable non-fungible tokens, this request may also include value in the Amount field of the request to transfer more than one token of the class in a single request.

##### Request

Control Message: TransferFromRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| From | AccountId to transfer ownership from. |
| To | AccountId to transfer ownership to. |
| Quantity | Number of tokens to transfer. |

##### Response

Control Message: TransferFromResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or error may be returned to the owner based on the outcome of the transfer from request. |

### Influence Bindings

### Properties

## Behavior Groups

## Property Sets

## Child Tokens