Subdividable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Subdividable |
| Id: | 6e3501dc-5800-4c71-b59e-ad11418a998c |
| Visual: | <i>d</i> |
| Tooling: | d |
| Version: | 1.0 |

## Definition

An ability for the token to be subdivided from a single whole token into fractions, which are represented as decimal places. Any value greater than 0 will indicate how many fractions are possible where the smallest fraction is also the smallest ownable unit of the token.

## Example

Sub-dividable is common for crypto-currencies or tokens of fiat currency. For example, the US Dollar is sub-dividable to 2 decimal places, where a value like .42 is possible. Bitcoin, is sub-dividable up to 8 decimal places.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Analogy 1 | subdividable analogy 1 description |

## Dependencies

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

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |
| Behavior | ~d | d5807a8e-879b-4885-95fa-f09ba2a22172 |

## Influenced By

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

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | subdividable.proto |  |
| Uml | subdividable.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 |  |  |

# Behavior Details

|  |  |
| --- | --- |
| Is External: | False |
| Constructor: |  |

### Invocations

### Properties

#### Name: Decimals

Value Description: Set to a number greater than Zero, allowing subdivision

Template Value: 0

### Invocations

#### GetDecimals

Id: 01f7ef04-1215-45f1-b118-12b4a76db9ad

Description: Return the value

##### Request

Control Message: GetDecimalsRequest

Description:

###### Parameters

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

##### Response

Control Message: GetDecimalsResponse

Description: Return number of decimal places

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Decimals | integer |

### Properties