Delegable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Delegable |
| Id: | a3d02076-6009-4a65-9ed4-2deffe5291e1 |
| Visual: | <i>g</i> |
| Tooling: | g |
| Version: | 1.0 |

## Definition

A token class that implements this behavior will support the delegation of certain behaviors to another party or account to invoke them on the behalf of the owner. When applied to a token, behaviors that are Delegable will enable delegated request invocations. This is useful to provide another party to automatically be able to perform the behaviors that can be delegated without seeking permission up to a certain allowance.

## Example

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Broker | You may allow a broker to transfer your tokens as a part of an investment strategy. Setting an allowance can cap the total number of tokens the broker is allowed to perform delegated behaviors, when exceeded a new allowance request will need to be granted. |

## Comments

Applied to behaviors that are Delegable.

## Dependencies

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

## Incompatible With

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

## Influenced By

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

## Artifact Files

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

#### Allowance

Id: 2e0fd8e5-2090-4c62-b094-232c32a78022

Description: A Request by a party or account to the owner of a token(s) to have the right to perform a delegated behavior on their behalf.

##### Request

Control Message: AllowanceRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Quantity | Number of Tokens to be allowed. |

##### Response

Control Message: AllowanceResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or denial be returned to the allowance requestor. |

#### Approve Allowance

Id: 6d5df99d-2f5e-4c7a-aea4-d2d54176abfd

Description: Same control message as the AllowanceRequest. This could allow for an AllowanceRequest to be forwarded to multiple parties needed to Approve and shield this from the requestor. When all Approvals are obtained, an AllowanceResponse could be sent.

##### Request

Control Message: AllowanceRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Quantity | Number of Tokens to be allowed. |

##### Response

Control Message: ApproveResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation response from the owner approving the an allowance request, indicating a allowance quantity the requestor has the option to invoke the Delegable behaviors on the token(s). |

### Properties