Pausable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Pausable |
| Id: | 0fb5abae-c99e-4f34-90cf-62b6f3351b74 |
| Visual: | <i>p</i> |
| Tooling: | p |
| Version: | 1.0 |

## Definition

Pausible is an influencing behavior that can be applied to other behaviors in the Token. Pausible will have an applies toA token class that implements this behavior will halt trades and free all transfers, handy if there is a bug found in the token implementation.

## Example

There may be a run or a crash in the market that may require the halting of trades for this token. This is like the big red button.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Bug in Code | You may discover a bug in your token implementation that requires you to halt the trading until you can fix the code. |

## Dependencies

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

## Incompatible With

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

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |
| Roles can influence who or what role can pause and resume a token. | r | [ ] |

## Artifact Files

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

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Open Zeppelin | EthereumSolidity | https://github.com/OpenZeppelin/openzeppelin-contracts/blob/master/contracts/token/ERC20/ERC20Pausable.sol |

## Implementation Map

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

## Resource Map

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

# Behavior Details

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

### Invocations

#### Pause

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

Description: A Request to pause behavior invocations that Pausable applies to.

##### Request

Control Message: PauseRequest

Description: The request

###### Parameters

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

##### Response

Control Message: PauseResponse

Description: The response

###### Parameters

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

#### Resume

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

Description: Resume normal operations.

##### Request

Control Message: ResumeRequest

Description: The request

###### Parameters

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

##### Response

Control Message: ResumeResponse

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