

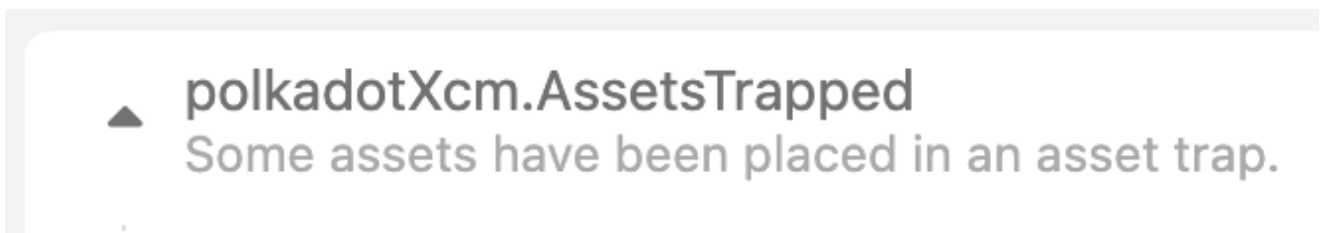
# Guide for claiming trapped assets

When an XCM that is holding funds fails, where do those assets go? Do they disappear? Thankfully not, they get trapped in the same chain where the execution failed.

In order to claim them, all that's needed is to locally execute an XCM with the `ClaimAsset` instruction.

## The `AssetsTrapped` event

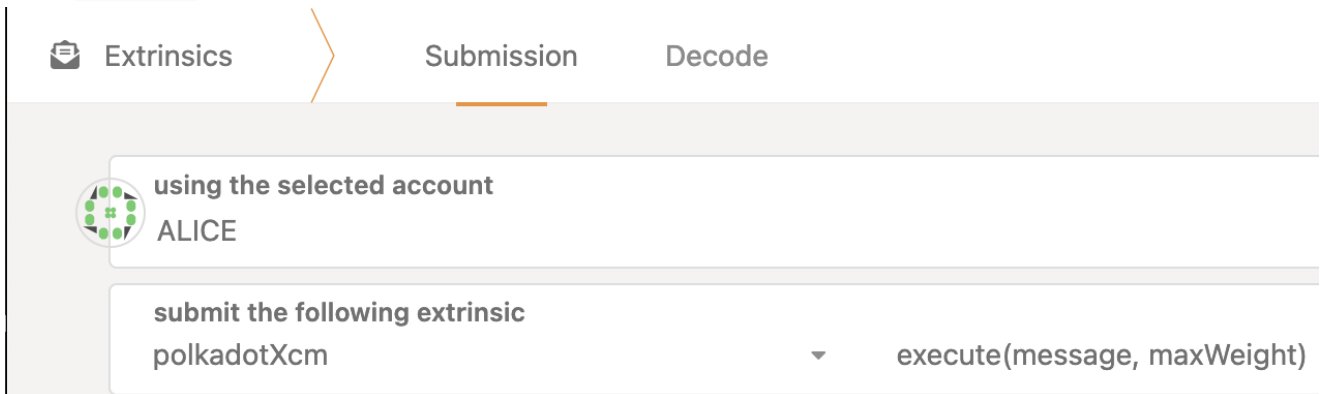
When assets get trapped because of XCM execution failing, the `AssetsTrapped` event is emitted<sup>[1]</sup>.



This event contains the information needed for claiming the assets. It will have the origin whose assets were trapped and the assets themselves.

## Claiming the assets

The `execute` extrinsic lets us execute XCMs locally, which we'll need to claim our assets.



Choose the latest version available for XCM (V3 or V4).

The instructions we want are the following:

- `ClaimAsset`
  - We need to specify the same assets that appeared in the `AssetsTrapped` event
  - The ticket can just be left as default (parents: 0, interior: Here)
- `BuyExecution`
  - For fee, put the same fees you're claiming, these will be used for paying for the transaction that moves them to your account again
- `DepositAsset`

- Put your account, or any other account you want to receive the funds

## ClaimAsset:

message: XcmVersionedXcm  
V3

V3: XcmV3Xcm

0: XcmV3Instruction: XcmV3Instruction  
ClaimAsset

ClaimAsset: {assets: XcmV3MultiassetMultiAssets, ticket: StagingXcmV3MultiLocation}

assets: XcmV3MultiassetMultiAssets

0: XcmV3MultiAsset: XcmV3MultiAsset

id: XcmV3MultiassetAssetId  
Concrete

Concrete: StagingXcmV3MultiLocation

parents: u8  
0

interior: XcmV3Junctions  
Here

fun: XcmV3MultiassetFungibility  
Fungible

Fungible: Compact<u128>  
1000000000000

ticket: StagingXcmV3MultiLocation

parents: u8  
0

interior: XcmV3Junctions  
Here

BuyExecution:

**1: XcmV3Instruction: XcmV3Instruction**

BuyExecution

**BuyExecution: {fees: XcmV3MultiAsset, weightLimit: XcmV3WeightLimit}**

**fees: XcmV3MultiAsset**

**id: XcmV3MultiassetAssetId**

Concrete

**Concrete: StagingXcmV3MultiLocation**

**parents: u8**

0

**interior: XcmV3Junctions**

Here

**fun: XcmV3MultiassetFungibility**

Fungible

**Fungible: Compact<u128>**

1000000000000

**weightLimit: XcmV3WeightLimit**

Unlimited

DepositAsset:

2: XcmV3Instruction: XcmV3Instruction

DepositAsset

DepositAsset: {assets: XcmV3MultiassetMultiAssetFilter, beneficiary: Stag

assets: XcmV3MultiassetMultiAssetFilter

Wild

Wild: XcmV3MultiassetWildMultiAsset

All

beneficiary: StagingXcmV3MultiLocation

parents: u8

0

interior: XcmV3Junctions

X1

X1: XcmV3Junction

AccountId32

AccountId32: {network: Option<XcmV3JunctionNetwor

network: Option<XcmV3JunctionNetworkId>

None



id: [u8;32]

5CVPzx5BRbg3gGEc313kATumtESDAcdivE3

1. Only if `pallet-xcm` is configured as the `AssetTrap` in the runtime. This is true for all relays and system parachains, but might not be for other chains. ↩