**Creating an Asset**

**Source:** https://docs.watr.org/builders/adding-an-asset

**Step 1. Register an asset. The extrinsic assets.create should be submitted.**

Go to Developer > Extrinsic > assets > create (id, admin, minBalance)

This extrinsic expects 3 parameters:

* **Id** - this will be the unique id of this asset on this chain
* **admin** - this is the account that is permitted to call admin related functions on the asset
* **MinBalance** - the minumum balance of the asset required. This should be provided in minor units, example 1000 = 0.001 USDt

Click Submit Transaction and go back to Network > Explorer to verify if the asset is created.

Sign and submit

**Step 2. Setting the Metadata**

Once the asset has been created, the metadata for the asset must be set. This is accomplished by calling the assets.setMetadata extrinsic signed by the admin account specified in the asset creation stage.

Go to Developer > Extrinsic > assets > setMetdadata (id, name, symbol, decimals)

The extrinsic has the following input parameters

* **id** - this is the id of the asset that was specified in the creation of this asset on this chain
* **name** - the name of the token (ex: Private XON)
* **symbol** - the token's symbol (ex: IXN)
* **decimals** - the number of decimal places that this token should apply to balances

Click Submit Transaction and go back to Network > Explorer to verify if the metadata is set

Go to Network > Assets and check the asset that you created.

**Step 3. Mint Supply to the Asset**

Mint using Extrinsic

Asset > mint

Check Asset supply using asset page

Check Balance using chain state to minted account

> Go to Chain state

> Set “selected state query”

**Step 4. Transfer Asset from Sender to another.**

Go to Developer > Extrinsic > assets > transfer (id, target, amount)

The extrinsic has the following input parameters

* **id** - this is the id of the asset that was specified in the creation of this asset on this chain
* **target** - the account where you want to transfer the asset
* **amount** – the amount you want to send

Click Submit Transaction and go back to Network > Explorer to verify if it transfers successfully.

**Step 5. Transfer Asset Ownership to another.**

Go to Developer > Extrinsic > assets > transferOwnership (id, owner)

The extrinsic has the following input parameters

* **id** - this is the id of the asset that was specified in the creation of this asset on this chain
* **owner** – the account where you want to transfer the ownership

Check transfer balance

Click Submit Transaction and go back to Network > Explorer to verify if it transfers successfully.

Go to Network > Assets and check if the owner of the asset is change from Alice to Bob

**Step 6. Burn**

Go to Developer > Extrinsic > assets > burn (id, who, amount)

The extrinsic has the following input parameters

* **id** - this is the id of the asset that was specified in the creation of this asset on this chain
* **who** – the account where you want burn
* **Amount** – the amount you want to burn

Click Submit Transaction and go back to Network > Explorer to verify if it burn successfully.

**Step 7. Freeze Asset**

Disallow further unprivileged transfers for the asset class.

Go to Developer > Extrinsic > assets > freezeAsset (id)

The extrinsic has the following input parameters

* **id** - this is the id of the asset that was specified in the creation of this asset on this chain

Click Submit Transaction and go back to Network > Explorer to verify if it freezes successfully.

**Step 8. Block**

Go to Developer > Extrinsic > assets > block (id, who)

The extrinsic has the following input parameters

* **id** - this is the id of the asset that was specified in the creation of this asset on this chain
* **Who** – the account you want to block

Click Submit Transaction and go back to Network > Explorer to verify if it blocks successfully.