



# Starting Decoupled Pipeline

[Sample files](#)

[SDFAsset](#)

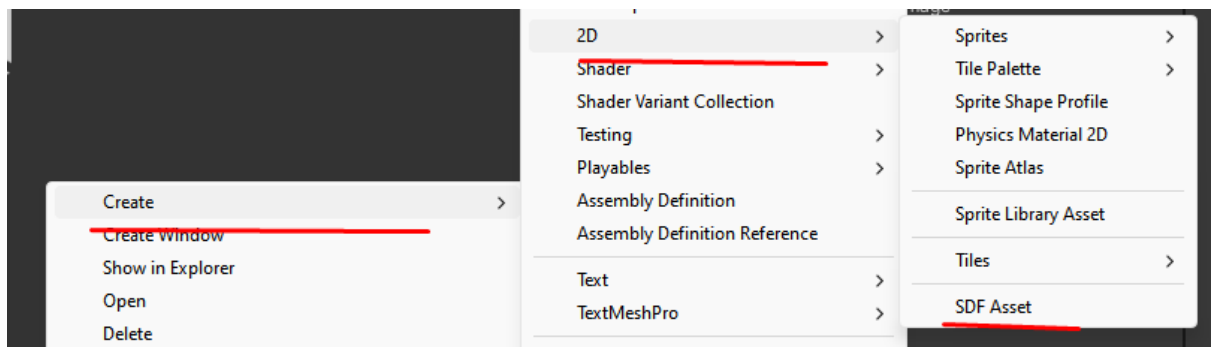
[How to find which SDFAsset using Texture?](#)

[Why Decoupled Pipeline is useful?](#)

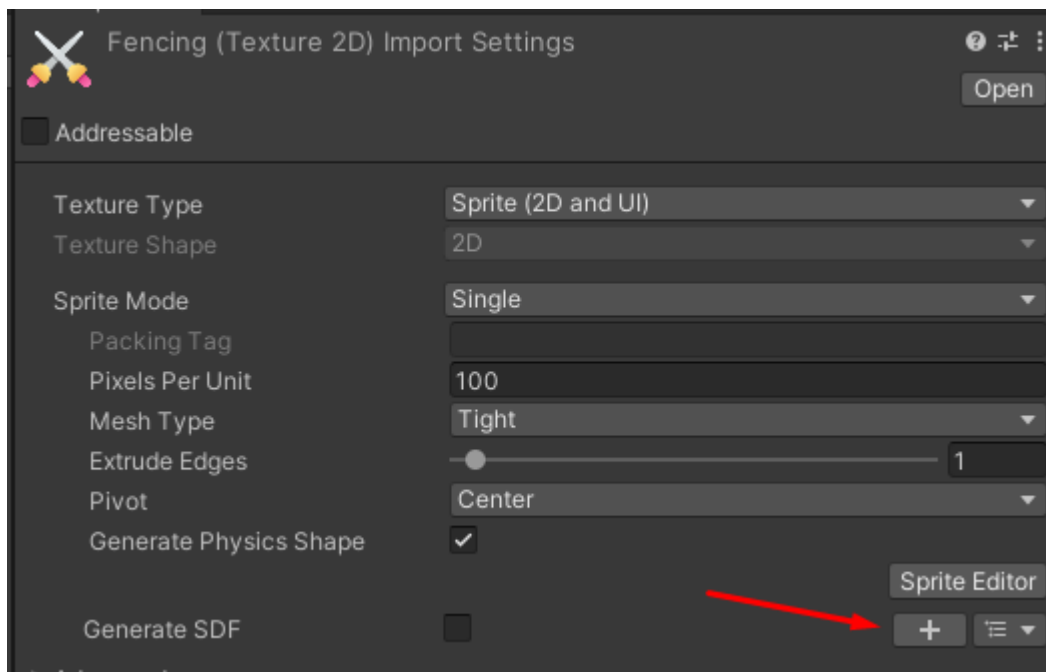
[Want to know more?](#)

Version 1.2x introduced decoupled pipeline, this is new way to import SDF sprites.

**SDFAsset** is a file with extension \*.sdfasset handled by custom importer.



It can be created in context menu.



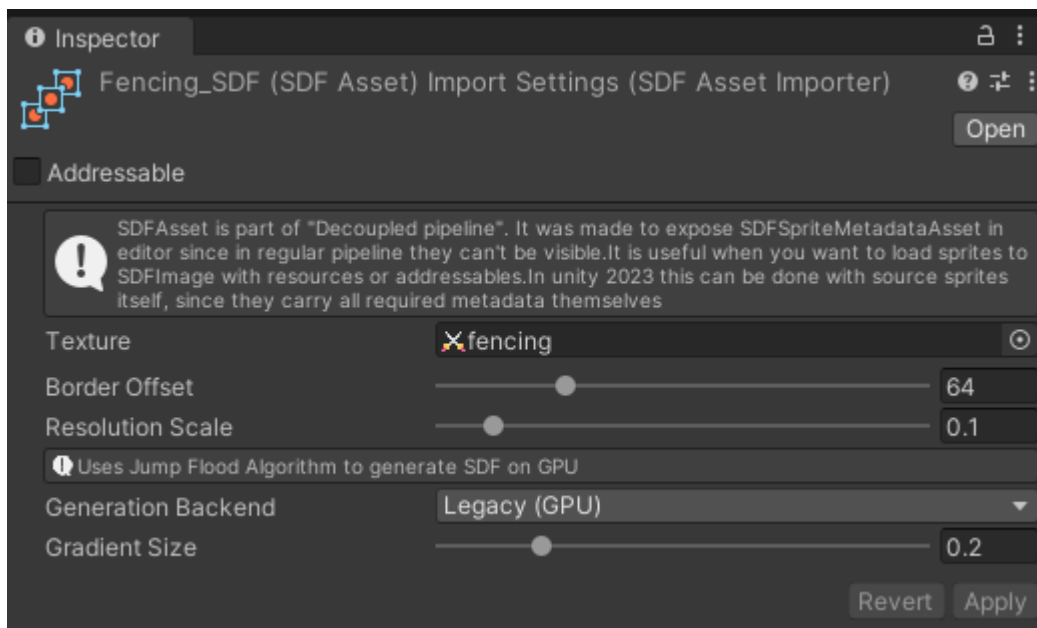
Or in Texture Importer with button

## Sample files




- **fencing.png** - source texture, it does not have Generate SDF checkbox
- **fencing\_SDF.sdfasset** - **SDFAsset** that referencing fencing.png, all sdf contents is generated inside of it

## SDFAsset



**SDFAsset** is product of SDFAssetImporter.cs, it works almost the same as sdf importer for regular pipeline, it generates same sub-assets but using different host/main object.

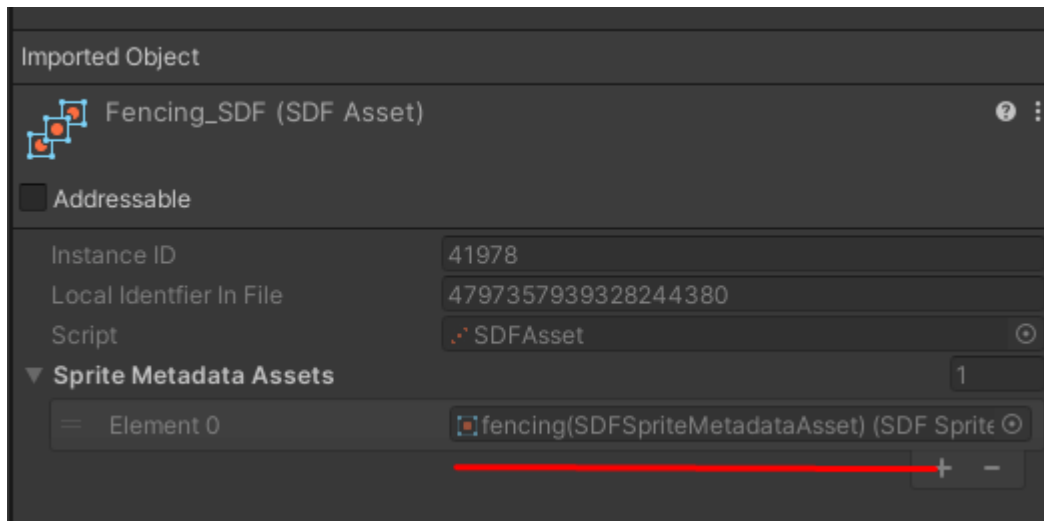
- Texture field - this is texture that sdf is generated from, texture should be in Sprite mode.  
Any re-import of the texture will re-import **SDFAsset** as well, so once you setup the reference you don't need to worry about manually updating **SDFAsset**.
- SDF Import settings - this is the same settings that regular texture has, its covered in  [SDF Import Settings](#)

## How to find which SDFAsset using Texture?

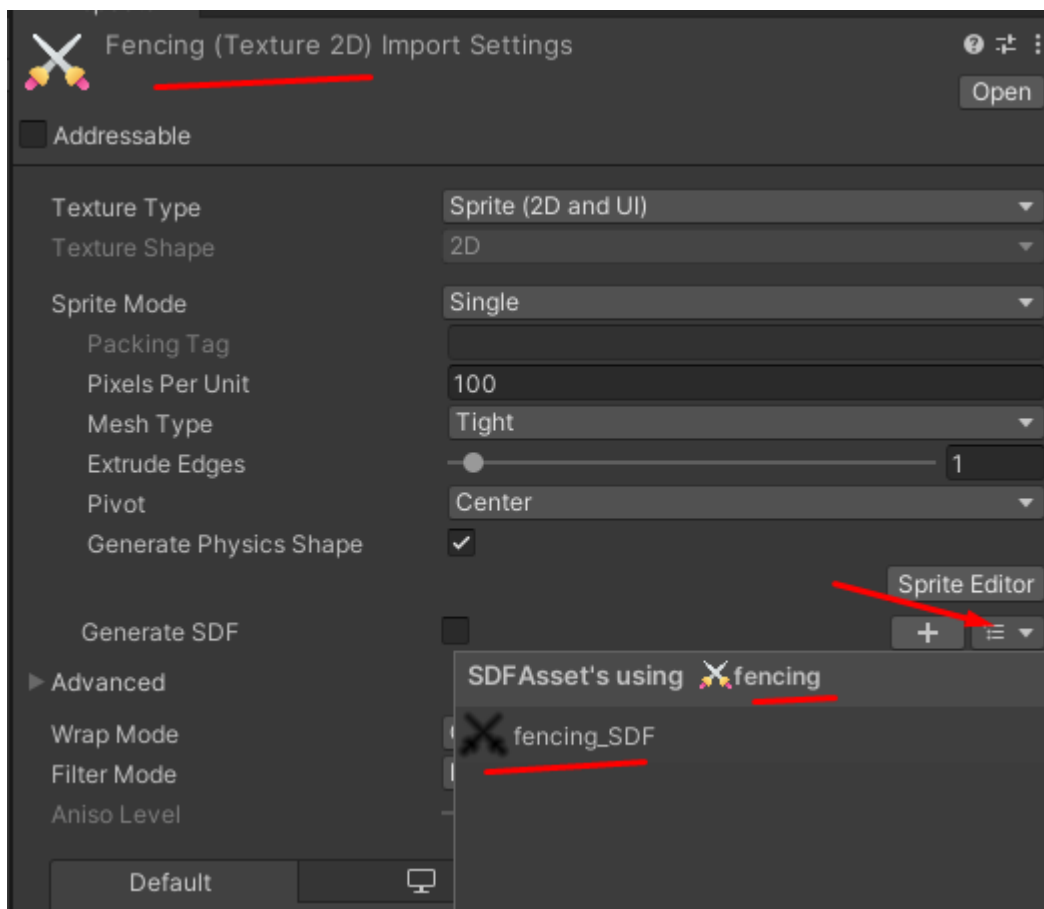
Since **SDFAsset** can be anywhere in the project and still reference texture its useful to know which asset using particular texture.



Switch Inspector to debug mode in order to see SDFAsset itself



`SDFAsset` holds references to all `SDFSpriteMetadataAsset`'s, other than right now it has no other functionality.




In TextureImporter there is dropdown button that shows all `SDFAsset`'s that is using this texture.

This is the similar menu to Prefab Family in unity 2022 and later.

In demo scene, currently only one `SDFAsset` is using this texture, but you can create multiple `SDFAsset` 's with different sdf import settings for single texture.

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## Why Decoupled Pipeline is useful?

- It decouples source textures and generated sdf, to store it anywhere in project. This also makes working with atlases easier (see more at [Atlases](#) )
  - Exposes `SDFSpriteMetadataAsset` 's in project view, allowing them to be loaded as Resources or Addressables. In regular pipeline they are hidden, due to unity limitations.
  - Intact import settings. In regular pipeline import settings is written to importer to `AssetImporter.userData`, this is not safe since other assets can override this settings. `SDFAsset` 's has separate importer therefore all its data is safely stored in them.
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## Want to know more?

Read detailed info of how decoupled pipeline working with scripting examples in [\[TODO\] Decoupled Pipeline Scripting](#)