

# Enchaining

Enchaining is a process of selecting a subset of Chunks (or Belts) based on a certain [Filter](#) criteria. Once they are Enchained the corresponding Belts and Chunks are becoming locked, i.e. any structural changes become minimized for the sake of consistent [Iterating](#).

## C++ Workflow

That's pretty basic, really. You don't create (instantiate) Chains manually but those are actually managed by the [Machine class](#). Assuming you've already assembled the needed [Filter](#) all you have to do is to call a global Mechanism method named [Enchain](#) passing it the applied filter.

```
FChain* Chain = Mechanism->Enchain(Filter);
```

You're now ready to [iterate](#) or [operate](#) the resulting Chain, but there is more.

## Solid Chains

You can also chain to a special type of Chains called *solid*. Solid chains provide some additional features like getting direct references to Traits and Concurrency but they also limit the operations possible on the Subjects to only non-structural ones. That is, you can't add or remove any traits to/from the Subjects during some active solid enchainings. Enchaining to a solid chain is as easy as:

```
FSolidChain* Chain = Mechanism->EnchainSolid(Filter);
```

## Chunks Proxies

If you want to Iterate the Chunks directly, you would have to Enchain them into a list of Chunks Proxies.

In order to do that, a special overloaded [method](#) is present within the API. It accepts an `[[ue>API/Runtime/Core/Containers/TArray|array]]` of Chunks Proxies as its argument.

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