UDependentEffectComponents add common, cross-class functionality to other effects. Any UDependentEffectComponent:

- has an Owner that it's dependent upon.
- should be added just after its Owner is added. See how to attach below.
- is removed just after its Owner is removed.
- follows its Owner's Silence and Unsilence.
- returns its Owner's Priority, Stacks, MaxStats, Priority, and ShouldApplyEffect.
- is not visible to UI.

0.0.1 Concrete Example

For example, both <code>UBerserkerGene</code> (a <code>UMutation</code>) and <code>UFullBloom</code> (a <code>UPositiveAura</code>) modify stats. Despite being different inheritance hierarchically, they do pretty similar things. They utilize <code>UPermStatMod</code>. For this example, let's use

To attach UPermStatMod to UBerserkerGene, add the following to UBerserkerGene::OnComponentCreated:

```
Super::OnComponentCreated();
ADD_COMPONENT(UPermStatMod, PermStatMod, GetOwner())
PermStatMod->SetOwner(this);
# Do some customization here, such as setting Dependent variables
```

You can also initialize things on the <code>UPermStatMod</code> side of things. For example, if you wanted to make sure there were stats attached to the new owner:

// This also calls ApplyEffect
Super::SetOwner(NewOwner);

 $\label{thm:components} \mbox{Table 1: All $\tt UDependentComponents} \mbox{ currently implemented and tested}.$

Dependent	Short Description	Implemented via	Priority	Note
PermStatMod	Modifies according to its TArray of FStatMods.	AfterRecalculateStats	Dependent	See, e.g., UBerserkerGene.