

# Inheriting Animations using Prefixes

This is an advanced tutorial in order to explain how to reuse existing Animations, but using Prefixes to give meaningful names to the new animations, while being able to make minimal changes to the the new animation.

If you don't know how to use the Animation System, visit this guide first: [Animation Walk-through](#)

## A Standard Animation

Consider the following example:

```
[BonusAnimSet]
Texture      = bonus.png
FrameSize   = (16, 16)
Pivot       = center
KeyDuration = 0.1
StartAnim   = Loop
Loop        = 8
Destroy     = 8
Loop->      = Loop # .!Destroy
Destroy->   =

[Loop1]
KeyDuration = 3

[Destroy]
BlendMode  = add
```

We can now set the KeyDuration for the first frame of Loop as well as the BlendMode for the whole Destroy animation and it'll get carried away even for animation sets based on this one using a prefix, such as the following:

## An Inherited Animation

```
[BonusBombAnimSet@BonusAnimSet]
Prefix = BonusBomb

[BonusBombLoop]
TextureOrigin = (0, 16)

[BonusBombDestroy]
```

```
TextureOrigin = (128, 16)
```

By setting `Prefix = BonusBomb`, properties like `BonusBombLoop` will refer to the inherited `Loop` property.

And now, where we simply override the `TextureOrigin` for both animation `BonusBombLoop` and `BonusBombDestroy` but we'll inherit the `KeyDuration` and `BlendMode` that we previously set in `Loop` and `Destroy`.

This takes a few minutes to get the hang off, but it is amazingly powerful.

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