

Table 1: Outlets for UAffinitiesComponent

GetUnspentPoints	
► Before	<code>const uint8 OriginalPoints,</code> <code>uint8&amp; ReturnedPoints</code>
► After	<code>const uint8 OriginalPoints,</code> <code>const uint8 ReturnedPoints</code>

  

SetUnspentPoints	
► Before	<code>const uint8 OriginalPoints,</code> <code>const uint8 InputPoints,</code> <code>uint8&amp; SetPoints</code>
► After	<code>const uint8 OriginalPoints,</code> <code>const uint8 InputPoints,</code> <code>const uint8 SetPoints</code>

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Table 2: Outlets for ULevelComponent

GetBaseExpYield	
► Before	<code>const float OriginalYield,</code> <code>float&amp; ReturnedYield</code>
► After	<code>const float OriginalYield,</code> <code>const float ReturnedYield</code>

  

GetCXP	
► Before	<code>const uint32 OriginalCXP,</code> <code>int32&amp; ReturnedCXP</code>
<i>Note:</i>	<code>ReturnedCXP</code> is <code>int32&amp;</code> instead of <code>uint32&amp;</code> for Blueprint compatability.
► After	<code>const uint32 OriginalCXP</code> <code>const int32 ReturnedCXP</code>
<i>Note:</i>	<code>ReturnedCXP</code> is <code>const int32</code> instead of <code>const uint32</code> for Blueprint compatability.

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Table 2: **Outlets** for **ULevelComponent** (Continued)

<b>GetExpYield</b>	
► Before	<pre>const float OriginalYield, float&amp; ReturnedYield, const uint16 DefeatedLevel, const uint16 VictoriousLevel</pre>
<i>Note:</i>	“Defeated” and “Victorious” levels are provided for flexibility (e.g., in case you want to yield exp differently based on level difference, although technically you could always back-calculate the level difference based on the equation and <b>OriginalYield</b> ).
► After	<pre>const float OriginalYield, const float ReturnedYield, const uint16 DefeatedLevel, const uint16 VictoriousLevel</pre>
<i>Note:</i>	“Defeated” and “Victorious” levels are provided for symmetry with respect to the <b>Before</b> delegate (since <b>ReturnedValue</b> is already calculated, I can’t think of why you would need them, but you never know!).
<b>GetMaxLevel</b>	
► Before	<pre>const uint16 DefaultMax, int32&amp; AttemptedMax</pre>
<i>Note:</i>	<p><b>DefaultMax</b> is defined in the code. It should normally be 100, but may change for certain subclasses (e.g., a <b>UBossLevelComponent</b> may have a max of 200 instead).</p> <p><b>AttemptedMax</b> is <b>int32&amp;</b> instead of <b>uint16&amp;</b> for Blueprint compatability.</p>
► After	<pre>const uint16 DefaultMax const int32 ReturnedMax</pre>

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Table 2: Outlets for ULevelComponent (Continued)

GetMinLevel	
► Before	<code>const uint16 DefaultMin, int32&amp; AttemptedMin</code>
<i>Note:</i>	<code>DefaultMin</code> is defined in the code. It should normally be 1, but may change for certain subclasses (e.g., a <code>UEggLevelComponent</code> may have a min of 0 instead for whatever reason). <code>AttemptedMin</code> is <code>int32&amp;</code> instead of <code>uint16&amp;</code> for Blueprint compatability.
► After	<code>const uint16 DefaultMin const int32 ReturnedMin</code>
<i>Note:</i>	<code>ReturnedCXP</code> is <code>const int32</code> instead of <code>const uint32</code> for Blueprint compatability.
GetBaseExpYield	
► Before	<code>const float OriginalYield, float&amp; ReturnedYield</code>
► After	<code>const float OriginalYield, const float ReturnedYield</code>
SetBaseExpYield	
► Before	<code>const float OldYield, const float InputYield, float&amp; AttemptedYield</code>
► After	<code>const float OldYield const float InputYield, const float NewYield</code>
<i>Note:</i>	<ul style="list-style-type: none"> <li>▷ <code>OldYield</code> is the yield prior to calling <code>SetBaseExpYield</code>,</li> <li>▷ <code>InputYield</code> is the original, unmodified input to <code>SetBaseExpYield</code>,</li> <li>▷ <code>AttemptedYield</code> is the modified value that will be used to set the base exp yield.</li> </ul>

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Table 2: `Outlets` for `ULevelComponent` (Continued)

<code>SetCXP</code>	
► Before	<pre>const uint32 OldCXP, const int32 InputCXP, int32&amp; AttemptedCXP</pre>
<i>Note:</i>	<code>AttemptedCXP</code> is <code>int32&amp;</code> instead of <code>uint32&amp;</code> for Blueprint compatability.
► After	<pre>const uint32 OldCXP const int32 InputCXP, const uint32 NewCXP</pre>
<i>Note:</i>	<p><code>UStatsComponent</code> subscribes to this in order to change stats on level change.</p> <ul style="list-style-type: none"> <li>▷ <code>OldCXP</code> is the cumulative experience points prior to calling <code>SetCXP</code>,</li> <li>▷ <code>InputCXP</code> is the original, unmodified input to <code>SetCXP</code>,</li> <li>▷ <code>AttemptedCXP</code> is the modified value that will be used to set the cumulative experience points.</li> </ul>

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Table 3: `Outlets` for `UStatsComponent`

<code>ModifyStat</code>	
► Before	<pre>const EStatEnum TargetStat, const EStatValueType ValueType, const EModificationMode Mode, const float OriginalValue, float&amp; AttemptedValue</pre>
► After	<pre>const EStatEnum TargetStat, const EStatValueType ValueType, const EModificationMode Mode, const float OriginalValue, const float NewValue</pre>
<i>Note:</i>	All “ModifyStat” functions from <code>UStatsComponent</code> (such as <code>ModifyStatsUniformly</code> or <code>RandomizeStats</code> ) go through <code>ModifyStatInternal</code> , which calls this <code>Outlet</code> .

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Table 3: `Outlets` for `UStatsComponent` (Continued)

RandomizeStats	
► Before	<code>const EStatEnum TargetStat,</code> <code>const FStatRandParams OriginalParams,</code> <code>FStatRandParams&amp; ParamsToBeUsed</code>
► After	<code>const EStatEnum TargetStat,</code> <code>const FStatRandParams OriginalParams,</code> <code>const FStatRandParams UsedParams</code>
<i>Note:</i>	The <code>EStatEnum</code> is not the acutal <code>FStat</code> . To get the <code>FStat</code> (such as <code>FHealth</code> ), use <code>UStatsComponent::GetStat(EStatEnum)</code>
RecalculateStats	
► Before	<code>const EStatEnum TargetStat,</code> <code>const bool bResetCurrent,</code> <code>const float OriginalCurrent,</code> <code>const float OriginalPermanent</code>
► After	<code>const EStatEnum TargetStat,</code> <code>const bool bResetCurrent,</code> <code>const float OriginalCurrent,</code> <code>const float OriginalPermanent</code>