UECasts.com - UE4 C++ Cheat Sheet

UPROPERTY	UPROPERTY(VisibleAnywhere, Category='Player')		TypeName	Prefix	Example
BlueprintAssignable	Multicast Delegates only. Exposes property for assigning in Blueprints		AActor	А	ACharacter
BlueprintCallable	Multicast Delegates only. Property property for calling in Blueprints		Boolean	Ь	bool bisTeaDelicious;
BlueprintReadOnly	Readable from blueprints, but not writeable		Enums	Е	enum EPlayerType;
BlueprintReadWrite	Read or writeable from blueprints		Interfaces	I	INetworkConnection
Category	Category of the property. Nested categories with operator		Struct	F	FMyStruct;
EditAnywhere	Can be edited by property windows, on archetypes & instances		SWidget	S	SMyWidget;
EditDefaultsOnly	Edited by property windows, but only on archetypes		Template	Т	TArray <int> MyIntArray;</int>
EditFixedSize	Prevent changing the length of an array (useful for dynamic arrays)		UObject	U	UCameraComponent * ThirdPersonCamera;
EditInstanceOnly	Edited by property windows, but only on instances, not on archetypes				
Transient	Should not be saved, zero-filled at load time				
VisibleAnywhere	Visible in property windows, but can't be edited at all		Naming & C	Coding Standards (PascalCase or UpperCamelCase)	
VisibleDefaultsOnly	Visible in property windows for archetypes, & can't be edited		bool	bool bisTeaDelicious;	
VisibleInstanceOnly	Visible in property windows for instances, not archetypes, & can't be edited		float	float TeaWeight;	
			int32	int32 Te	aCount;
			FName	FName T	eaName;
UFUNCTION	UFUNCTION(BlueprintCallable, Category = Power)		FString	FString TeaFriendlyName;	
BlueprintAuthorityOnly	Will not execute from Blueprint code if running on something without network authority		UClass	UClass* TeaClass;	
BlueprintCallable	Can be executed in a Blueprint or Level Blueprint graph		USoundCue	USoundCue* TeaSound;	
BlueprintCosmetic	Is cosmetic and will not run on dedicated servers		UTexture	UTextur	e* TeaTexture;
${\bf Blueprint Implementable Event}$	Can be overridden in a Blueprint or Level Blueprint graph				
BlueprintNativeEvent	Designed to be overridden by a Blueprint, but also has a native implementation				
BlueprintPure	Does not affect the owning object in any way and can be executed in a Blueprint or Level Blueprint graph				
Category	Category of the function. Nested categories with operator				
Client	Only executed on the client that owns the Object the function belongs to				
Exec	Can be executed from the in-game console				
NetMulticast	Executed locally on the server and replicated to all clients, regardless of the Actor's NetOwner				
Reliable	Replicated over the network, and is guaranteed to arrive regardless of bandwidth or network errors				
Server	Only executed on the server				
Unreliable	Replicated over the network but can fail due to bandwidth limitations or network errors				
					UE
					LASTS
Version 1.1	www.uecasts.com				