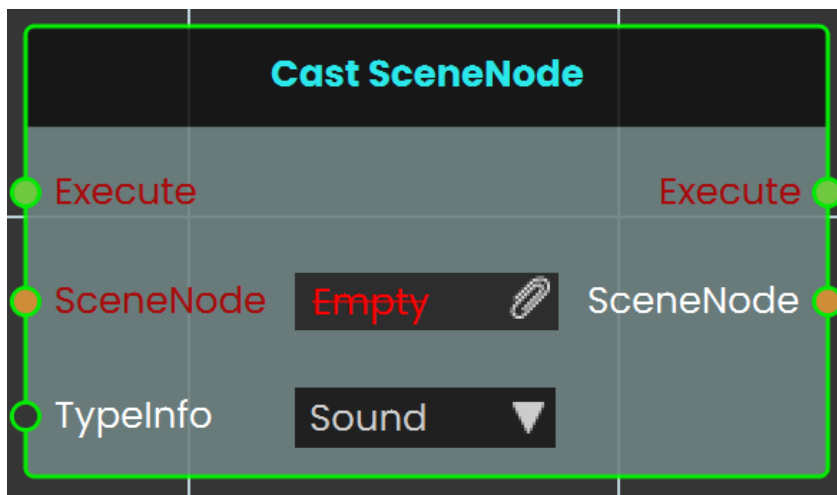


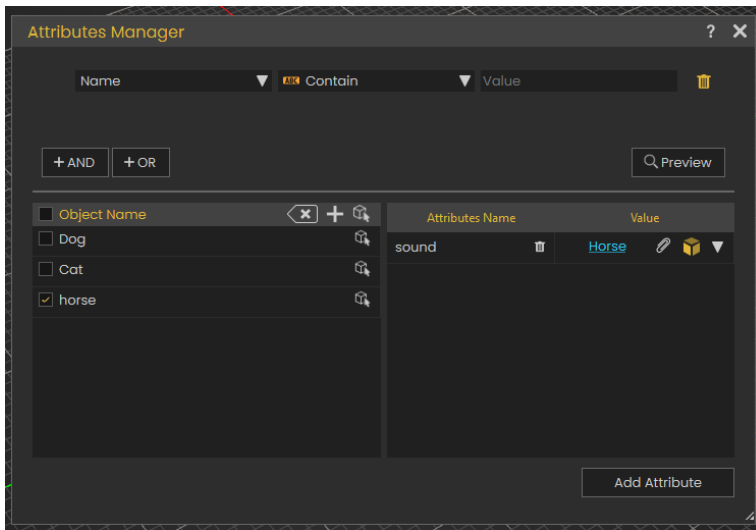
# SceneNode \ Nodes Management

## Cast SceneNode

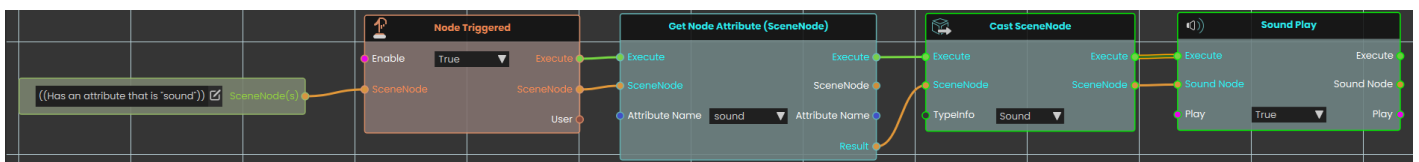


The **Cast SceneNode** enables the user to change the type of a SceneNode by selecting a typeinfo from the list, such as sound, 3D object, video, gadget, or camera. This node identifies the assigned SceneNode as the chosen type, allowing it to function accordingly within the VR environment.

## Example

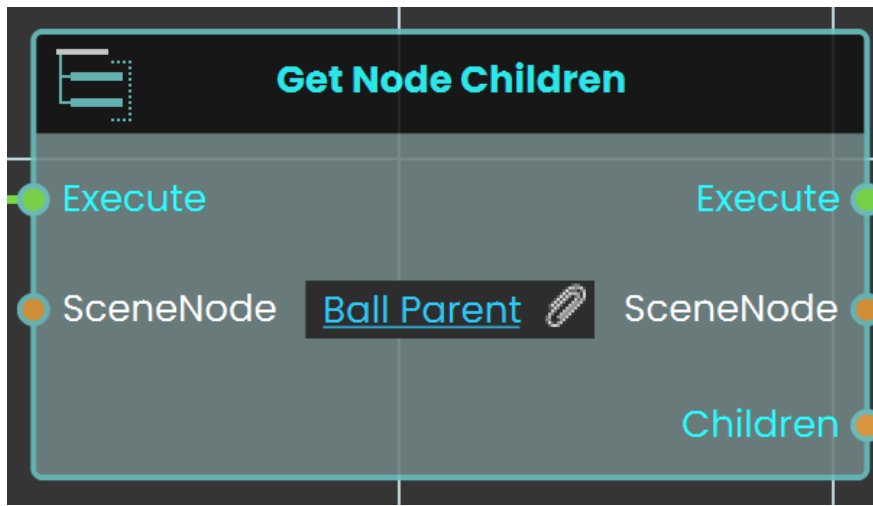


In this example, Animals sounds are assigned to the animals as **SceneNode** type



A **Cast SceneNode** is used to identify the SceneNode of an animal object (dog, cat, and horse) as a sound. An attribute named "Sound" is added to all three animals, and the corresponding sound is assigned to each. When the user triggers the animal SceneNode, the **Cast SceneNode** plays the sound assigned in the attribute.

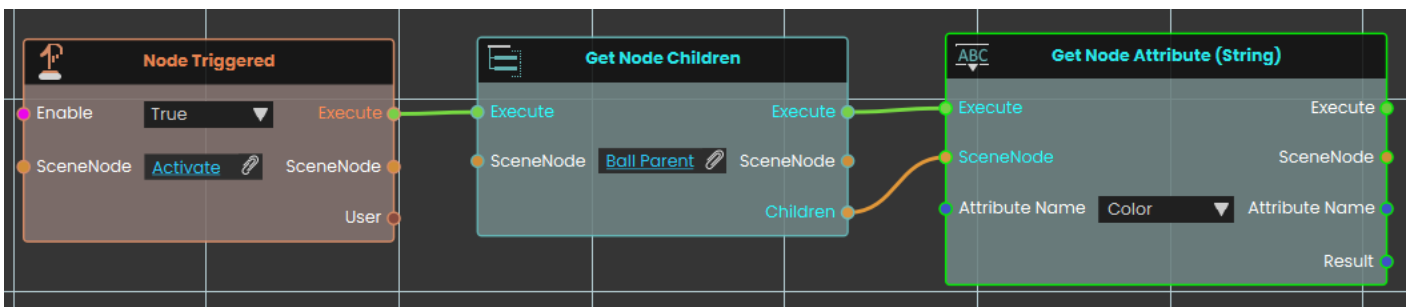
## Get Node Children



The **Get Node Children**

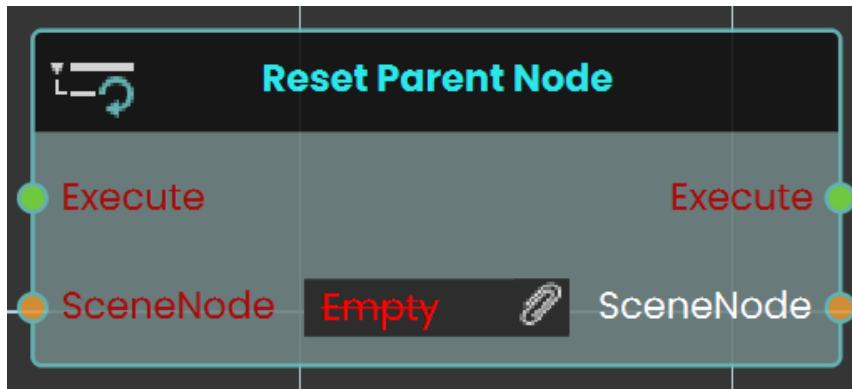
enables the user to retrieve child SceneNodes from a specified parent node within the hierarchy in the scene browser. This function allows users to access the children of a parent node in the VR environment, facilitating more complex interactions and hierarchies.

## Example



In this example, the **Get Node Children** enables the user to retrieve the child of a group named "Ball Parent" on the Trigger event. When the user triggers the Activate object, the Get Node Children retrieves the child node, and the Get Node Attribute (String) is used to acquire the child's attribute.

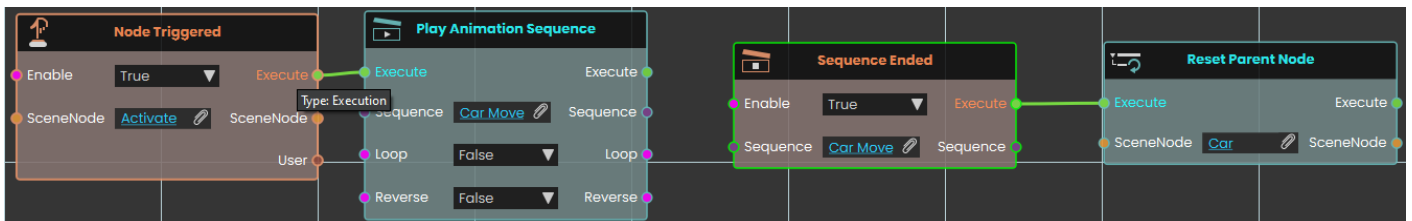
# Reset Parent Node



The **Reset Parent Node** enables

the user to reset all transformations applied to an object and return it to its original position relative to its main parent. This can be done by linking the node to an event or condition within the scene. Once the reset is executed, the object will revert to its default state under the main parent.

## Example



In this example, a **Reset Parent Node** is used to reset the transformations of a car object to its original state relative to its main parent once the "Car Move" sequence ends. When the user triggers the Activate object, the car move animation sequence will play. After the sequence concludes, the Reset Parent Node is triggered automatically, returning the car to its default position under the main parent.



Tutorial is available on SimLab VR Discord server

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