

Tool: BG_SanityCheck v1.0

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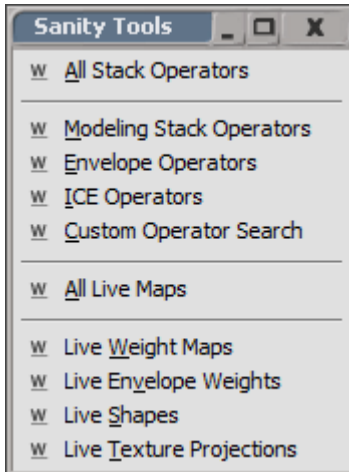
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Desc: Toolkit for identifying live operators in a Softimage scene.

Installation: Self-Installing Plugin. Place BG_SanityTools.py in any Softimage Application/Plugins directory such as in a local or shared workgroup.

Usage: The Sanity Tools live under the MCP Edit menu, by default.



- **All Stack Operators:** Finds all scene nodes with live operators under the Construction History

- **Modeling Stack Operators:** Finds all scene nodes with live operators under the Modeling partition of the Construction History
- **Envelope Operators:** Finds all scene nodes with live envelope operators
- **ICE Operators:** Finds all scene nodes with live ICE operators
- **Custom Operator Search:** Opens a GUI for searching for nodes by operator Name or Type, or specifying Construction History partitions (see details below)

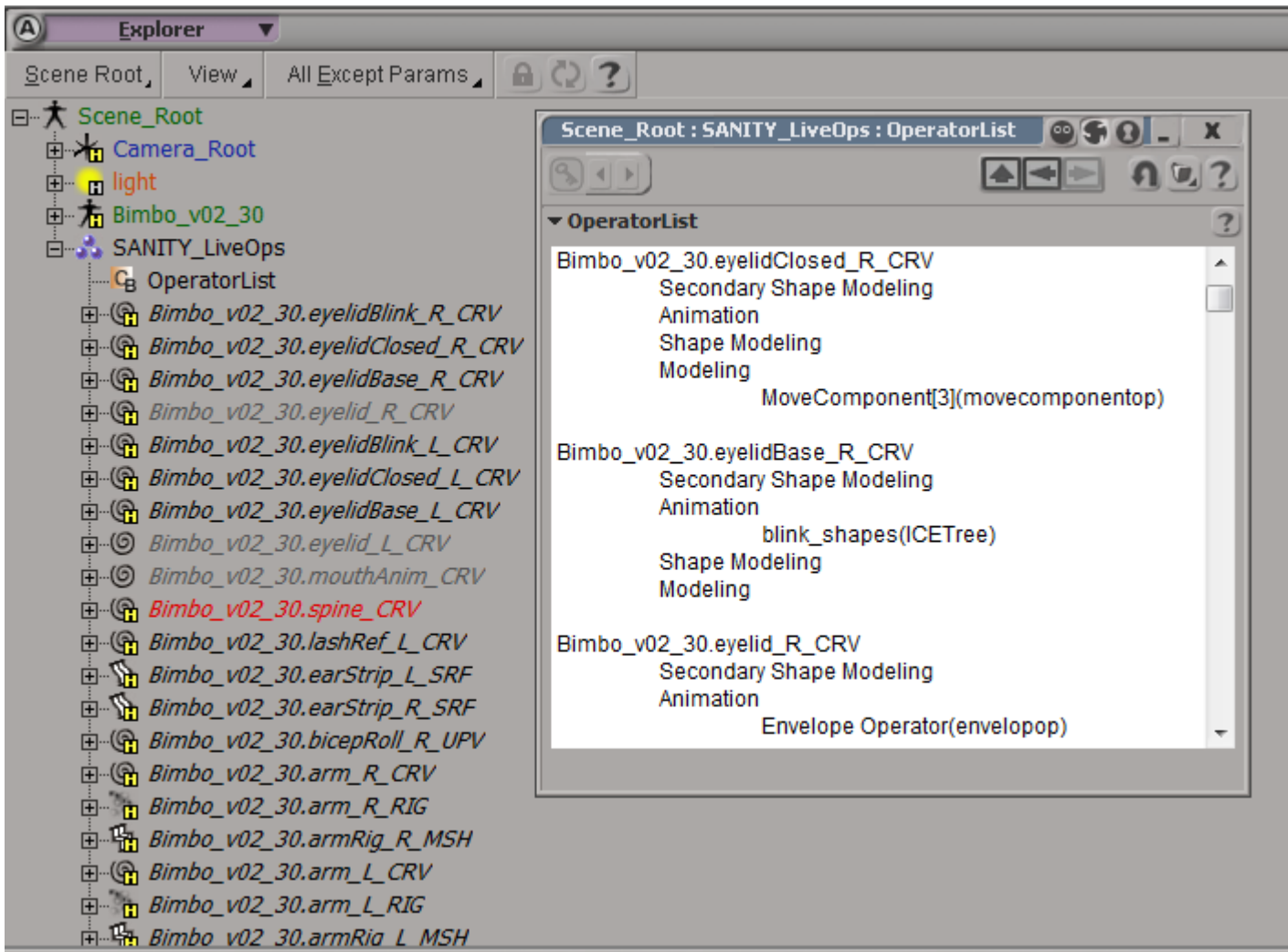
- **All Live Maps:** Finds all scene nodes with live operators under cluster property maps

- **Live Weight Maps:** Finds all scene nodes with live operators under weight map properties
- **Live Envelope Weights:** Finds all scene nodes with live envelope weight map operators
- **Live Shapes:** Finds all scene nodes with live shape node containers
- **Live Texture Projections:** Finds all scene nodes with live UV map operators

Results:

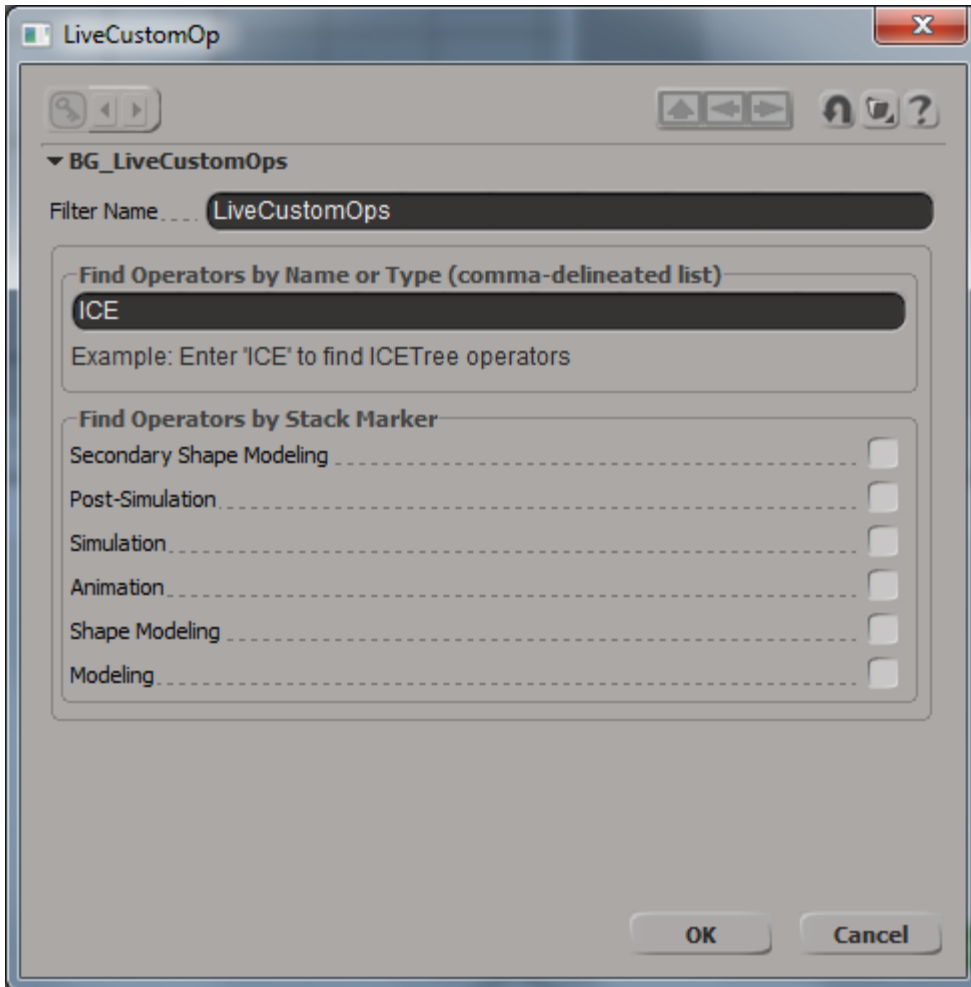
- Running any of the Sanity Check tools generates a Group under the Scene Root that contains scene nodes found with matching operators.

- It also generates a Text property under the group that lists the found nodes along with their operator information relative to the Construction History Stack partitions.



Using the Custom Operator Search:

Running the Custom Operator Search Sanity Tool will open the following GUI:



- You can use this search function to identify operators based on their node names or operator Type (To find the Name and Type of a specific operator, select it from within the SDK explorer and look under the Object Overview).
- The operator search works for a single operator, or a comma-delineated list, so you can look for multiple operator types from within a single search.
- Checking Stack Markers will limit the search to operators that live under specific partitions in the Construction History. If no Stack Markers are selected, the search ignores this filter.
- Using the Custom Operator Search it is possible, for example, to look specifically for ICE Operators assigned to Secondary Shape Modeling

