

# Isight Component – ANSA

The Isight ANSA component exchanges data with and executes ANSA preprocessor, exposes all ANSA Optimization Task parameters within Isight and supports modification of Optimization Task parameter values to produce an updated solver input file.

**ANSA** is an advanced multidisciplinary CAE pre-processing tool that provides all the necessary functionality for full-model build up, from CAD data to ready-to-run solver input file, in a single integrated environment.

## Component Specifications

- Isight Activity component
- Input decks of all finite element formats supported by ANSA, including Abaqus, ANSYS, NASTRAN, etc. can be generated by the component
- Exposes all design variables of the ANSA model's Optimization Task for use within Isight, and retrieves each variable's name, type, current value.
- Reads the variable's min/max and the allowed values
- The solver input deck is stored within the Isight database and can be mapped to down stream simulation components for subsequent execution and results post-processing
- Works in integration with all the driver components such as DOE, Optimization, etc.
- Component editor GUI provides support for displaying selecting available inputs and outputs by commands like select, select-highlighted and select-all
- Allows user to filter the listed parameters by their name and type
- Compatible with Isight 5.0 and later releases
- Compatible with ANSA 13.0.5 and later versions
- Available on Windows operating system

