# Legacy to Common Model Conversion.

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## ABSTRACT

The continuous need for sorter design time cycles puts the pressure on CAE departments
for rapid and robust model preparation for numerous types of analysis. This challenging task especially in the early stages of design can be facilitated by the reuse of validated and trusted FE Models. Thus a transfer of data can be achieved in two directions, from old to new models and across disciplines.

This transfer of data from a legacy model is done by its conversion to a common model.
A common model represents a model striped of solver and analysis specific data, being properly parametrized so as to have the flexibility to adopt any form needed by a variety of load cases and analysis types.

The methodology followed for such a conversion will be presented, demonstrating the use of existing and newly developed ANSA functions in conjunction with ANSA scripting language for the extraction and handling of data such as load case specific data, geometry data (Mesh), assembly information (spotwelds, seamwelds, adhesives etc.),trim mass information etc.