

**Node / element / part Selection in viewer:**

- choice between selection modus (part | element | node) in viewer menu bar
- left mouse click => single part | element | node selection
- CTRL + left mouse click => multiple part | element | node selection and possibility to toggle the selection (select \ deselect) for an part | element | node
- SHIFT + left mouse click => box selection (3D box, so including all layers behind the one in view)

**Importing graphical selections in entity lists:**

- firstly, ensure that the PART\_LIST, ELEMENT\_LIST or NODE\_LIST attribute is already present in the parent element. If applicable, also ensure that also the FE\_MODEL attribute is defined and filled in (e.g. for GROUP\_FE's that are defined outside any FE\_MODEL in the input deck)
- make your graphical entity selection in the viewer
- after you've made your selection, go to the \*\*\*\_LIST in which you want to insert your selection, right mouse click and select "Insert selected ELEMENTs | NODEs | PARTs"
  - your selection is now inserted in the LIST (overwriting whatever there was defined already)

**Some Use cases:**

- Modifying an existing entity list:
  - select that list attribute in the editor
  - use CTRL + left mouse button in combination with one of the selection modes to change the existing selection for that list
  - go to the \*\*\*\_LIST attribute and overwrite the list with the modified selection in the viewer (as described above).
- Defining an element list consisting of most but not all elements of one or more parts:
  - go the 'part selection' mode and select the parts you want included
  - go to 'element selection' mode and deselect the individual elements you want excluded from the selection (using the CTRL + left mouse click)
  - go to the \*\*\*\_LIST attribute and insert the selection in the viewer in the ELEMENT list.

**Notes:**

- selected elements/nodes/parts that are NOT part of the related FE\_MODEL are *automatically and silently* left out of the LIST when inserting the graphical selection.