

Creating a Human Activity Group



In the detailing phase of the final assembly process, there is a requirement to define and manage a specific operation time to a group of child human activities. This will facilitate the study of operation times in the final assembly process.

This command will enable you to create a new Human Activity Group under a human task. You can either [create child activities](#) under this group, or [pre-select activities](#) and then group them.



Creating a Human Activity Group

- If the object of operation of this command is a manikin, a new HumanTask is created, then a new Human Activity Group is added to the Human Task. The newly created Human Activity Group will be empty and the user has to create children activities.
- If the object of operation is a HumanTask, a new Human Activity Group is created and added to the beginning of the Human Task. The newly created human activity Group will be empty and the user has to create children activities.
- If the object of operation is a Human Activity Group, a new (empty) Human Activity Group is added immediately after the selected Human Activity Group.
- If the object of operation is a Human Activity, a new Human Activity Group is created and added immediately after the parent human activity (if the human activity is not under another Human Activity Group). A Human Activity Group cannot be created within another Human Activity Group.
- If the object of operation are two human activities under the same human task, a new Human Activity Group is created and added at the position of the first pre-selected activity and all the activities between the two pre-selected activities will be CUT from the original task and added as child activities under the newly created Human Activity Group.
- The Human Activity group will be displayed in the Gantt chart.
- You can reuse the Human Activity Group from a catalog, or save to a catalog.
- Setting a Human Activity Group as an [active task](#).




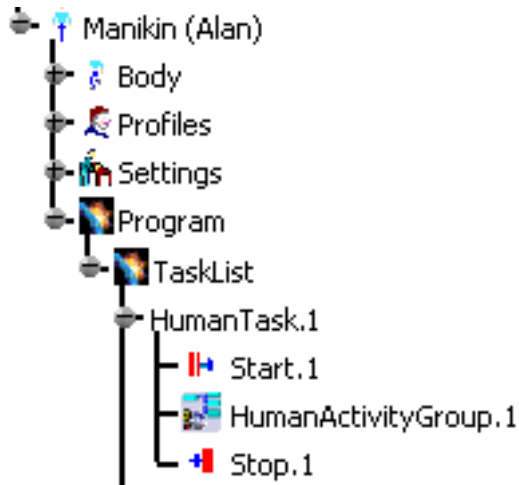
The following data will be persisted in the Human Activity Group model


- Activity Group Label
- Activity Group Type
- Reference Time
- User Time
- User Speed
- Activities under the Human Activity Group

Creating a Human Activity Group



1. Select the  Creates a Human Activity Group Activity icon, and the Manikin.
2. A HumanTask is created with the HumanActivityGroup.



3. To add a child activity, in this scenario, click on the **HumanActivityGroup** and select the  icon, **Create Movetoposture Activity**, OK.



4. The Activity is shown in the Human Activity Group.



Pre-Selecting Activities for a Human Activity Group

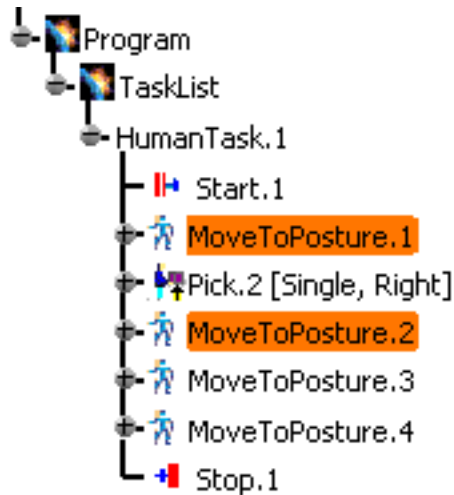


1. Pre-select 2 activities in the same human task. (Hold down the Shift key).



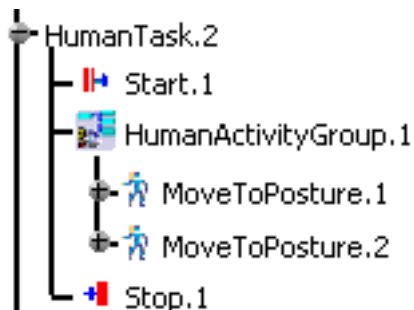
It is recommended to use the Shift key while selecting the activities.

If you are using the Ctrl key, make sure you select the activities in the same sequence in which they were created (that is, first select MoveToPosture.1 followed by MoveToPosture.2). If not, an error message is generated.



2. Select the **Creates a Human Activity Group Activity**  icon.

3. All activities between the pre-selected activities are cut from the original task and created as child activities under the newly created Human Activity Group.



About Setting a Human Activity Group as an Active Task

- Once you have created a Human Activity Group, it becomes available to you to set as an active task in the Active Task dialog box (shown below). For a step-by-step instructions for setting an active task, see [Activating a Task](#).
- By selecting the upper **Set Active Task** radio button in the Active Task dialog (shown below), you can associate a Human Task to a process operation node (or TSA) as an active task (similar to the current behavior). The resource (s) assigned to the process operation node (or TSA) and the list of human tasks for each corresponding resource will be displayed in the drop down lists.
- By selecting the lower **Set Active Task** radio button you set a Human Activity Group as active task. The list of operations under the process node (or TSA) and the list of human activity groups for the assigned manikin resource are displayed. For each operation under the process node (or TSA) the corresponding Human Activity Group will be set as an Active Task. For any Operation that does not have a corresponding Human Activity Group (and vice-versa), no Active Task will be set. The list of operations and human activity groups cannot be edited. In the second radio button option, if a resource is assigned only to the process node activity and not to any of the underlying operation nodes, the **Set Active Task** command will automatically assign the resource for all the operations under the selected process node.

Active Task

Alan/Product1.1 All Tasks

☐ Set Active Task ☒ Map SubActivities to HumanActivityGroups

MoveCabinet	CabinetTable
Hammer	WorkWithHammer
RedPart	OperateOnRedPart

Alan/Product1 2.1 Operate from catalog

☐ Set Active Task ☒ Map SubActivities to HumanActivityGroups

OK Cancel

