

Modeling Tip: Prioritizing Activities in a Model

Prioritizing Activities in a Model

Activity priorities are useful in situations where multiple activities require the same resource. By assigning activity priorities, you can ensure that the activities will be executed in the way that you intended.

Activity Priorities

When two activities both require the same resource, it might be a good idea to use activity priorities. Activity priorities are a way of establishing which activity gets the resource first. For example, if there was a 911 call center, an emergency call activity would take priority over a non-emergency call for an available 911 operator resource.

Here are the basic rules for activity priorities:

- Priorities are ranked from low-to-high. That is, a priority 1 activity will take priority over a priority 2 activity.
- Priorities must be non-negative integer value.
- Priorities are assigned to activities in the order the activities are created. For example, if you create the arrive activity before the shave fast activity, arrive will take priority over shave fast.

Priorities are a way of declaring a policy (which server should have first priority for available work), or they may be necessary in order for your model to be valid.

1. First Activity to Start the Model

Will be the first activity to be scheduled when the run starts

2. Trigger on Start

Bio-G Modeling will look for an activity that can start due to the resource change at the start of this activity

3. Manually Selected

Only run this activity when the user schedules this activity in Bio-G Scheduling

The screenshot shows the 'Details' window for an activity named 'New Activity'. The 'Properties' section contains three checkboxes: 'First Activity to Start the Model', 'Trigger on Start', and 'Manually Scheduled'. Three numbered callouts (1, 2, 3) point to these checkboxes respectively. The 'Priority' field is set to 100, and there are links for 'add attachment' and 'add hyperlink'.