Schedule Scenario View

11.2

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Schedule Scenario View

The Schedule Scenario View is the default View when landing on a Schedule Scenario. This view is only populated if the Schedule Scenario has previously been *Generated*.

Should the view be populated, it allows for different visualizations of the scenario.

Resource / Material / Employee / Durable Views

The six top left icons allows to change the visualization of the hypothetical plan in two ways.

- The first four icons allow you to alternate between four Views:
  - The **Resource** view, which shows the Schedule Scenario Job (remaining Steps to be executed for each Material) allocation for each equipment. This can be helpful in determining the load allocation in critical resources in the system.
  - The **Material** view, which shows, in each row, the sequence of Schedule Scenario Jobs for each Material. This can be helpful in visualizing the execution of a single Material in the chosen timeframe, as well as detecting if there are significant wait times between consecutive operations (as well as between components and finished good Materials, should there be dependencies in the system).
  - The **Employee** view, which displays a list of jobs assigned to each **Employee**.
  - The **Durables** view, which displays a list of jobs assigned to each **Durable**.

> ℹ️ **Info**
>
> The **Search** bar on the top right of the page applies to whatever entity is chosen for the view: in the Resource view it will look for Resources and in the Material view it will look for Materials.

> ℹ️ **Info**
>
> It is possible to set the order in which the Resources appear in the Resource view using the Resource property Display Order. If there are Resources with the same Display Order, they are ordered alphabetically.

- The second two icons allow to alternate between two different organizations:
  - Calendar view, which draws up a Gantt Chart, showing all the different Schedule Scenario Jobs graphically.
  - List view, showing the different Schedule Scenario Jobs in a tabular view.

It is possible to combine these two view types as needed: there is a Calendar and a List view for both the Resource and the Material view, similarly to what occurs in the Schedule View for the Schedule

Calendar View

The Calendar view has functionalities that help the user browse through the production plan.

- Regarding the time window that is shown, the user can configure its width with the **Time Window Width** combo box (1.). Its possible values are:

  - Year

  - Month

  - Week

  - Day

  - Hour

  - Custom

> **ℹ Info**
>
> The system will automatically attempt to display only the options which make sense for the total operation span. For example, if the total planning horizon is smaller than one week, the options year, month and week will not be shown.

Alternatively, the user can use the **Planning Horizon** Bar (2.) to either move or expand/narrow the time window. Note that within this bar, two symbols are shown:

1. The vertical blue bar represents the current date/time.
2. The dark grey bar represents the presence of Schedule Scenario Jobs in different moments of the Planning Horizon, thereby showing the load across the horizon.
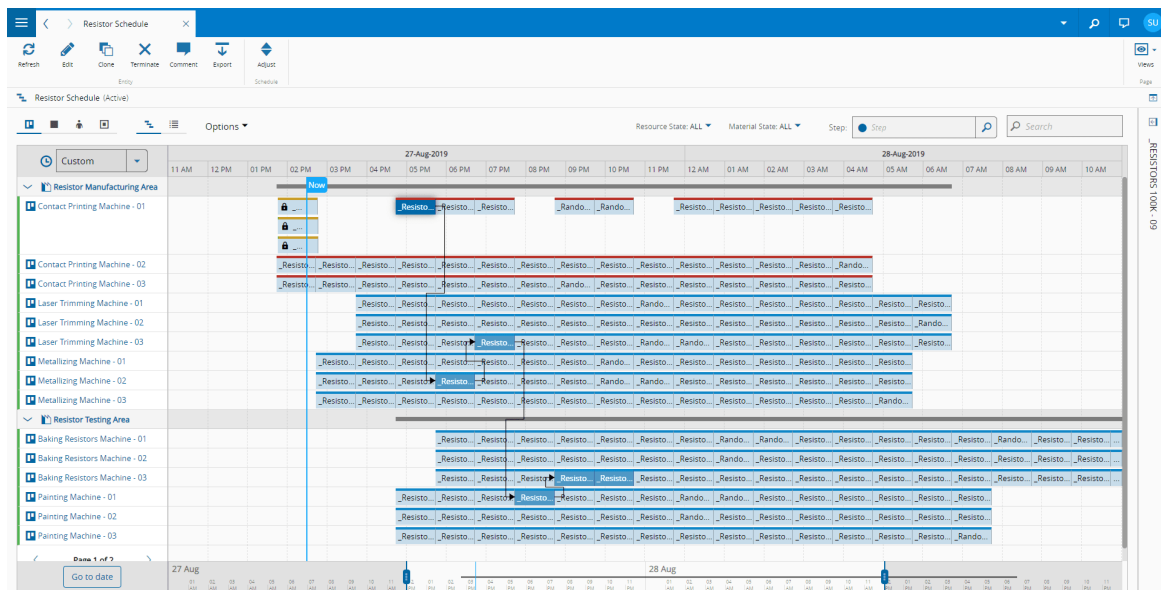
This last functionality is also used on the header of the time window (3.), with the dark grey bar showing the presence of Schedule Scenario Jobs in different moments of the current time window.

In order to restrict the scope of the current window, when using the Resource view (4.), it is possible to collapse/expand the different Areas, hiding or showing their respective Resources. Also, besides using the Search Bar previously described, it is possible to use the **Step Filter** bar (5.), which shows only the Schedule Scenario Jobs for that Step.

By hovering over a Schedule Scenario Job, a tooltip appears detailing it.

By clicking on a Schedule Scenario Job on the Resource, Durable or Employee Calendar View, the other Jobs related to the same Material will be highlighted, showing the other Steps the Material has to undergo. Additionally, in the Resource View precedence arrows will show what is the planned flow for that Material in the shop floor.

By clicking on the Schedule Scenario Job, the same information becomes available on the right-hand side panel, on the **Details** tab (6.). This tab also shows information about existing relations to Tools (Durables), Employees or Dependencies that the Schedule Scenario Job may have.

In terms of visibility, there are three extra filters available. The **Options** filter (7.) besides allowing to hide/show the precedence arrows previously described, also allows to color-code the Schedule Scenario Jobs according to four different criteria:

- Name. Useful for seeing the flows of different Materials.

- Priority. Useful for seeing if the priorities are being respected.

- Product. Useful for seeing when possible setups/changeovers between Products are occurring, as well as seeing when each one is processed.

- Product Group. Useful for seeing when possible setups/changeovers between Product Groups are occurring, as well as seeing when each one is processed. Finally, the **Resource State** (8.) allow the user to filter the Resources according to the state.

Using the Options filter you can also choose to view the jobs separated by **Production Order** by selecting the appropriate option.
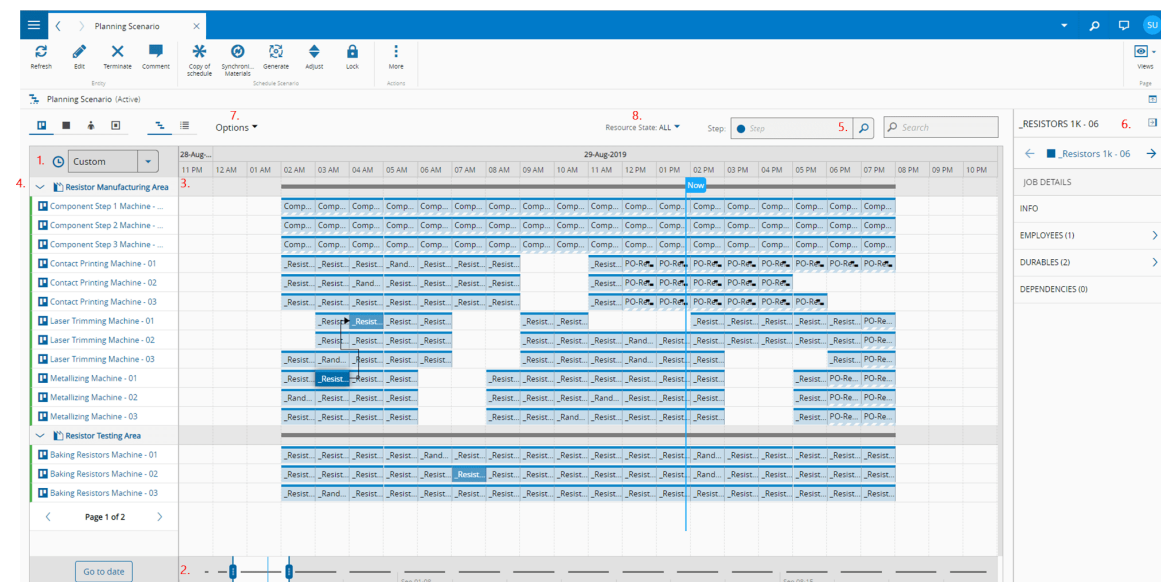
Show precedence arrows: ●—

Use colors to differentiate jobs: —●

Differentiate materials by:
- ● Name
- ○ Priority
- ○ Product
- ○ Product Group

View by Production Order: ●—

Row height : ●———

[Cancel] [OK]

List View

The List View allows for a time filtering, using the **From** (1.) and **To** (2.) text boxes to limit the analysis window. It is also possible to expand and collapse the Schedule Scenario Jobs assigned to an entity, by clicking on the **Name** (3.) of that entity.

Also, in the Material List View, for each Material it is possible to see if the Due Date is being fulfilled by color coding **(4.)**:

- Green - Delivery on-time
- Red - Delayed Delivery

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