NETRONIC

DOCUMENTATION

Visual Resource Viewer (VRV)

Control and optimize the usage of your resources with the help of the VRV, a visual planning board for Microsoft Dynamics 365 Business Central

# Table of contents

1. Understanding the VRV

The Visual Resource Viewer provides a complete overview of the usage and availability of resources and accesses the data of Service, Assembly, Jobs and Absences. Since the VPS is a Gantt chart, it naturally has all its characteristics:
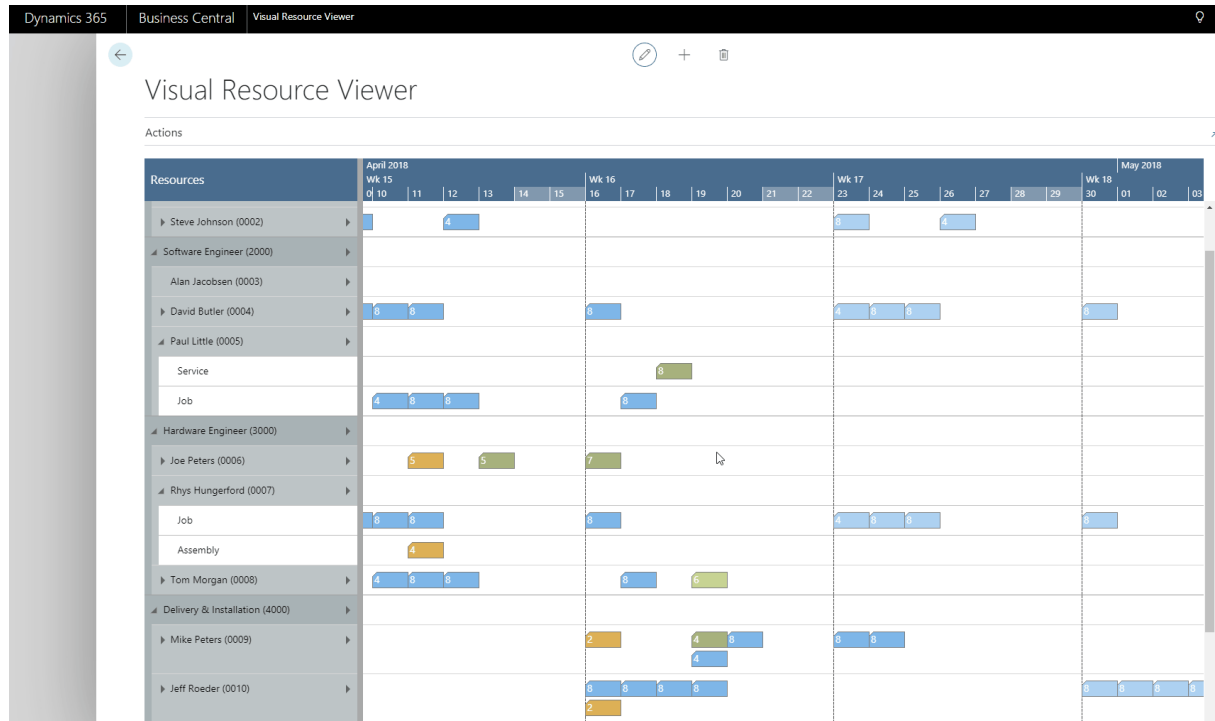
- A **timescale** at the top.
- A **table** displaying the resources' allocations either from the modules.
    - Jobs
    - Assembly
    - Service and, furthermore,
    - Absences
- On the right below the time scale, a **chart** displaying the different kinds of allocations or the absences as bars that are colored accordingly:

Jobs	
Service	
Assembly	
Absence	

Hovering over such a bar with the mouse will cause a tooltip window to open, showing all information specifying this allocation, in this case the absence, of this particular resource at this particular date.
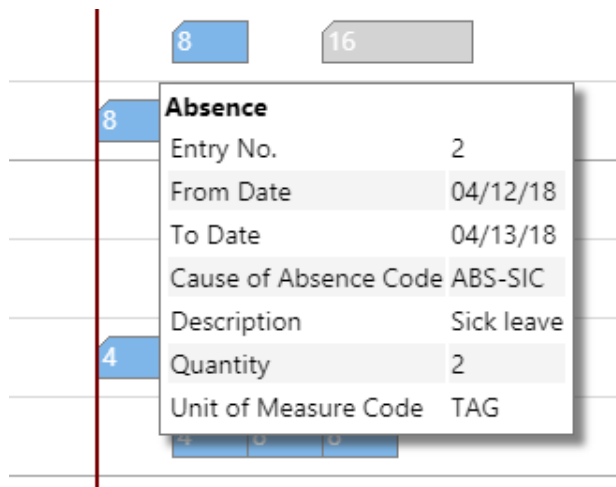
- A menu bar, called "**Actions ribbon**", allowing to make basic settings that will be explained in detail in the following.

2. User interactions in the Gantt chart

The following chapter describes which interactions can be carried out directly in the Gantt chart without having to click an menu item.

2.1. Open Microsoft Dynamics 365 Business Central dialogs from the VRV

The VRV fully integrates with Microsoft Dynamics 365 Business Central. This means that by double-clicking a Job Planning Line, an Assembly Order Allocation, a Service Order Allocation or an Absence in the diagram, or a Resource/Resource Group in the table, you'll directly switch to the according Dynamics 365 Business Central dialogs where you can navigate and make changes as usual:

Double-clicking the Service Order Allocation…

…will call the according dialog:

2.2. Change timescale resolution

For zooming in a certain area of your plan or to zoom out for a better overview, you can change the timescale interactively by scrolling the mouse wheel in the timescale area. Another way of change the timescale resolution is described further below (timescale actions).
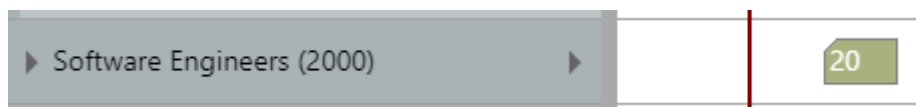
2.3. Collapsing and expanding

Collapse and expand resources or resource groups clicking the corresponding symbols ◢ (collapse) or ▶ expand), thus hiding details or rendering them visible

2.3.1. Collapse/expand resource group lines

Collapsed resource groups show only allocations that are not allocated to a specific resource:
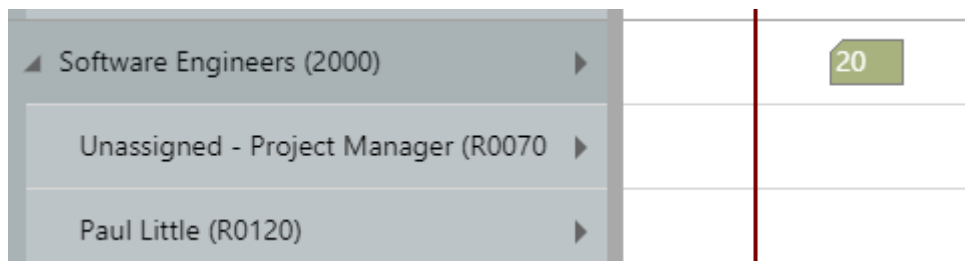
Otherwise, nothing will be shown in the resource group line:

2.3.2. Collapse/expand resource lines
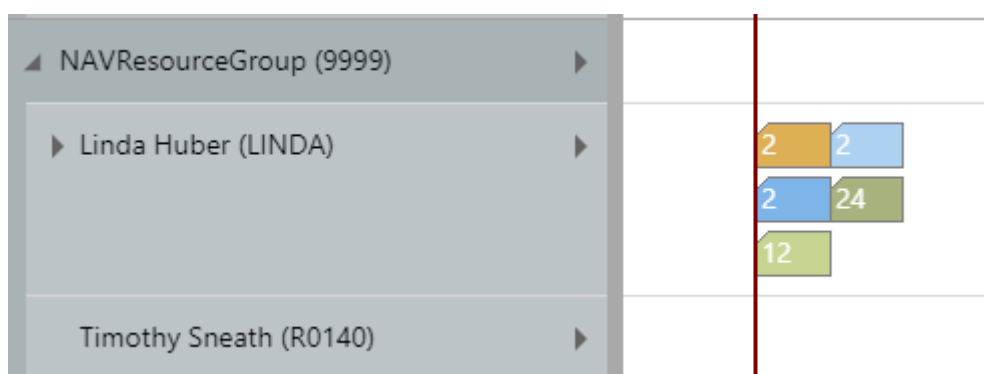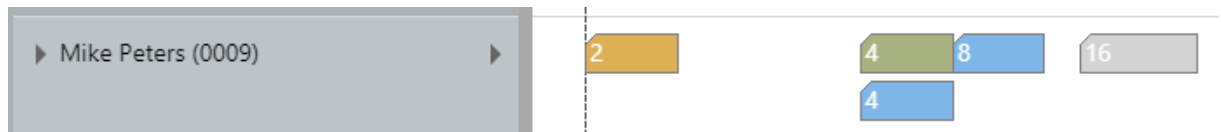
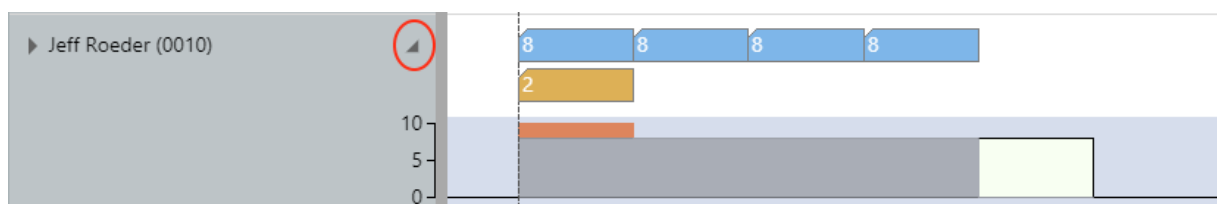- **Collapsed** resources show their capacity load in **one row**

- In **expanded resources** the resource allocation is shown grouped by Job, Service, Assembly, and Absence
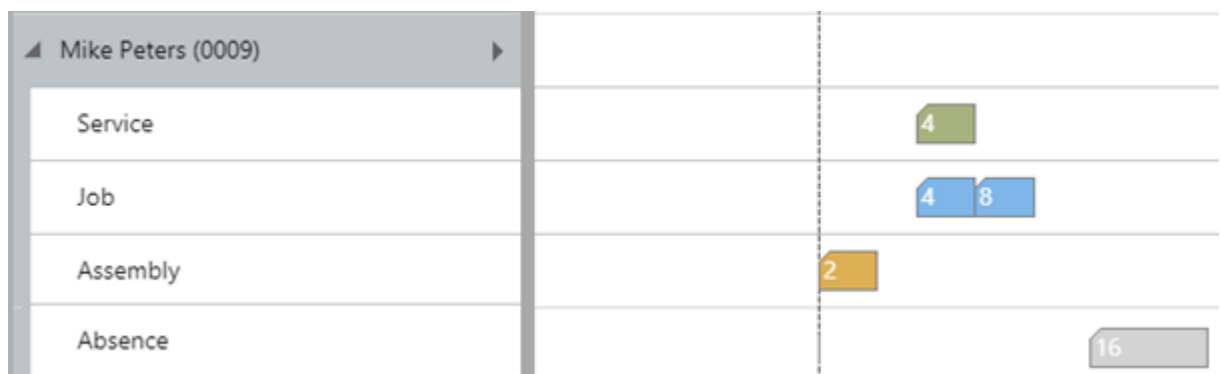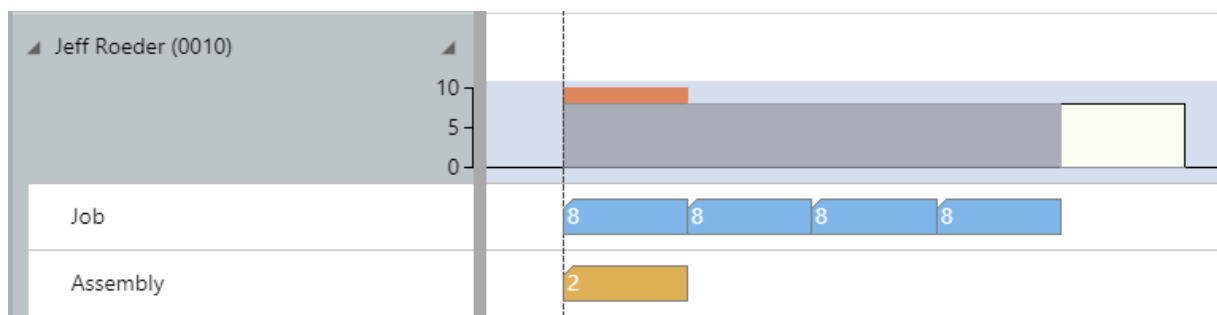

2.4. Show/hide capacity information

In the VRV, you can show a capacity curve to see free and exceeded capacities either of a group or a resource, a red box indicating an overload:
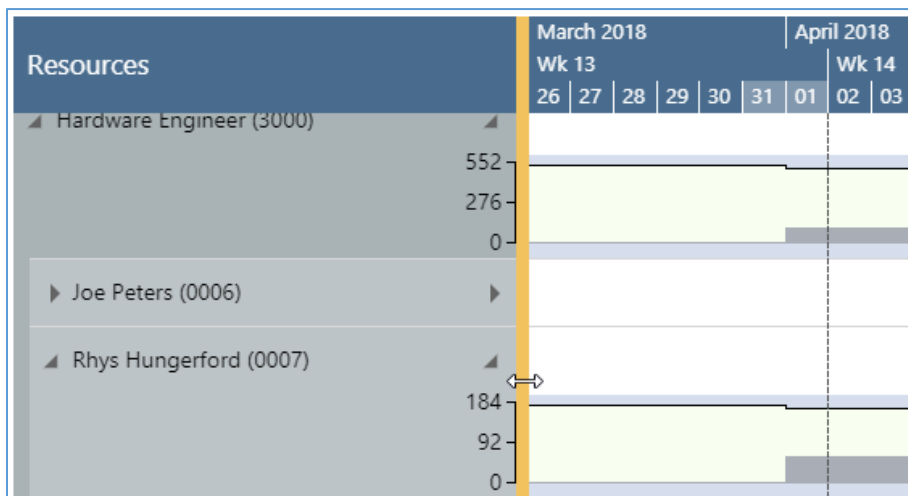
- Collapsed resource:

- Expanded resource:

2.5. Adjust the width ratio between table and diagram

For adjusting the width ration between table and diagram, put the mouse cursor on the sash between the two parts and drag the double arrow appearing then.
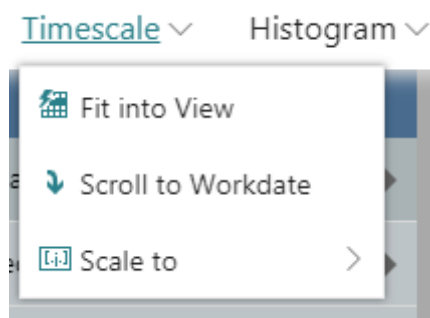

3. User actions from the "Actions" ribbon

The following chapter describes which actions can be carried out by selection the according item of the "Actions" ribbon.

3.1. Timescale actions

The timescale item in the "Actions ribbon" allows for quickly and easily navigating in the diagram.

3.1.1. Fit into view

Select this item to switch directly to the timescale as defined in the "Setup" dialog.

3.1.2. Scroll to workdate

Scroll directly to the Dynamics 365 Business Central work date.

3.1.3. Scale to

For zooming in a certain area of your plan or to zoom out for a better overview, you can change the timescale resolution either by

- scrolling the mouse wheel in the timescale area
- or, more specifically, by the corresponding items of the "Actions" ribbon, based on the work date as having been specified in the settings of Dynamics 365 Business Central.
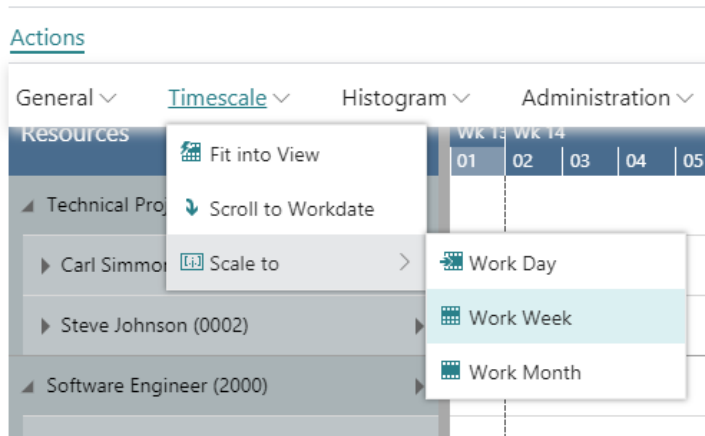
3.2. Histogram actions

The "Histogram" item of the "Actions" ribbon allows to set the curve aggregation of the capacity curve.
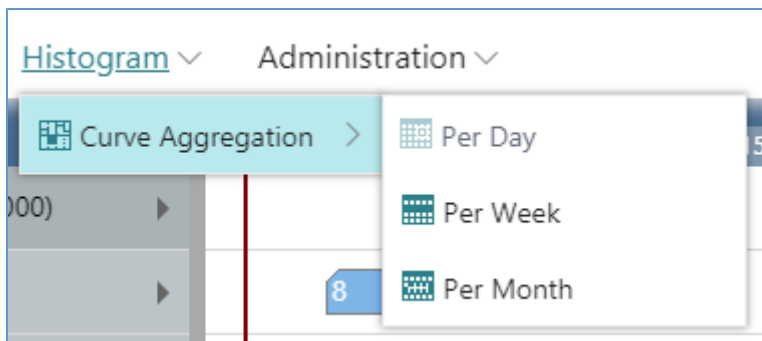
The options in detail:

- The **daily capacity** is calculated based on a resource's daily working hours minus the daily total load, as in the example shown below: Capacity (=8) – Total Load (=12) = -4. The overload is being represented by the red bar in the capacity curve.
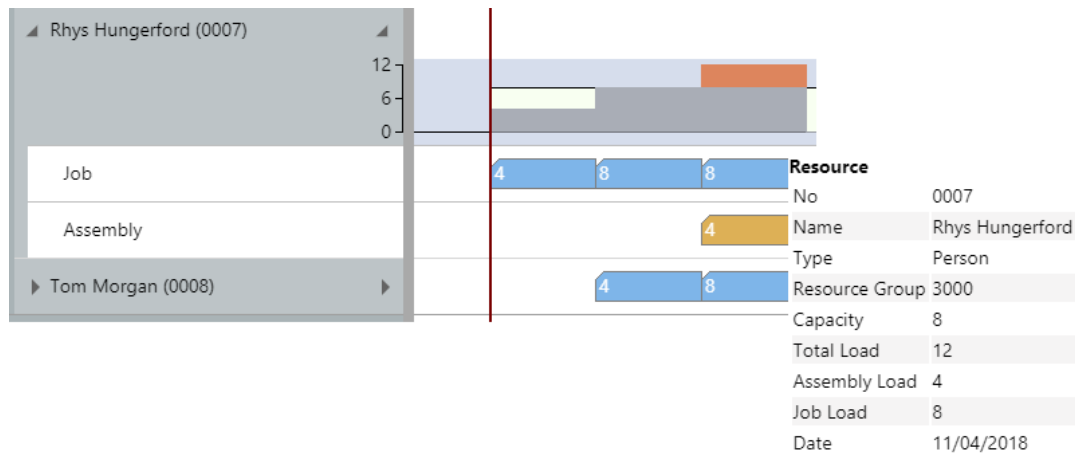
- The **weekly capacity** is calculated based on a resource's weekly work hours minus the daily total load, in the example below: 40 – 24 = 16 hours.
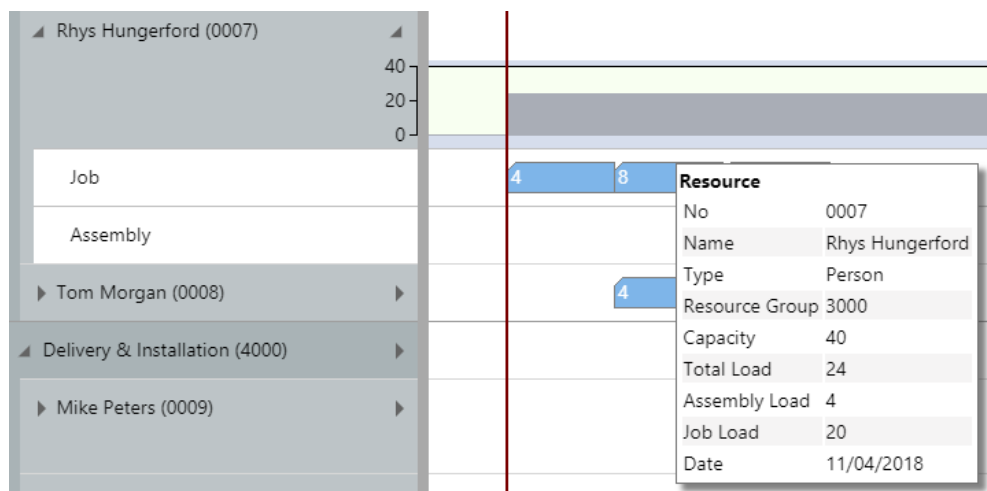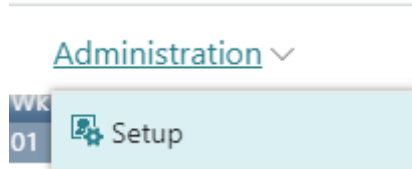
- The **monthly capacity** is calculated based on a resource's monthly working hours minus the total load, in the example 168 – 60 = 8.
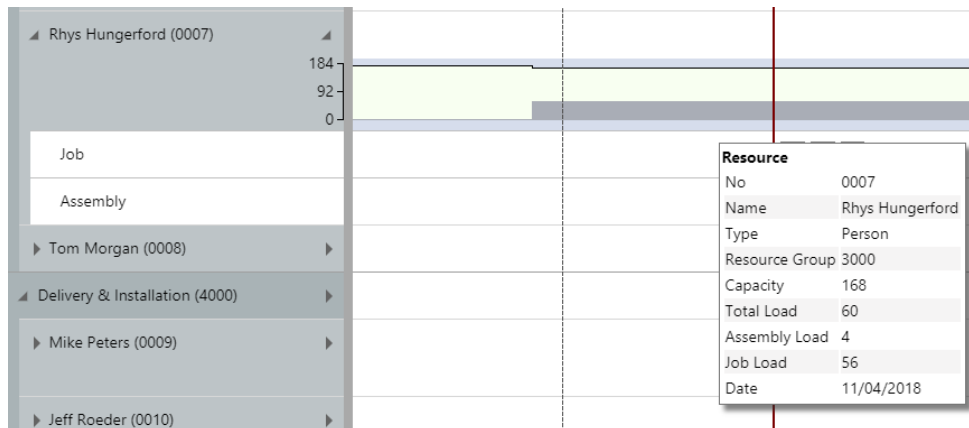
3.3. Setup options

The "Setup"dialog of the VRV can be reached via the "Administration" item in the "Actions" ribbon:

The "Setup" dialog allows to specify the timespan covered by the timescale, either fixed by absolute values or relative to the workday.

4. Rescheduling/Reload

Rescheduling in the VRV is actually very simple: Just make your changes and click "Reload" from the "General" item in the "Actions" ribbon. Due to being fully integrated in Dynamics 365 Business Central, the changes will directly be shown in the VRV