



# DOCUMENTATION

## Visual Resource Viewer (VRV)

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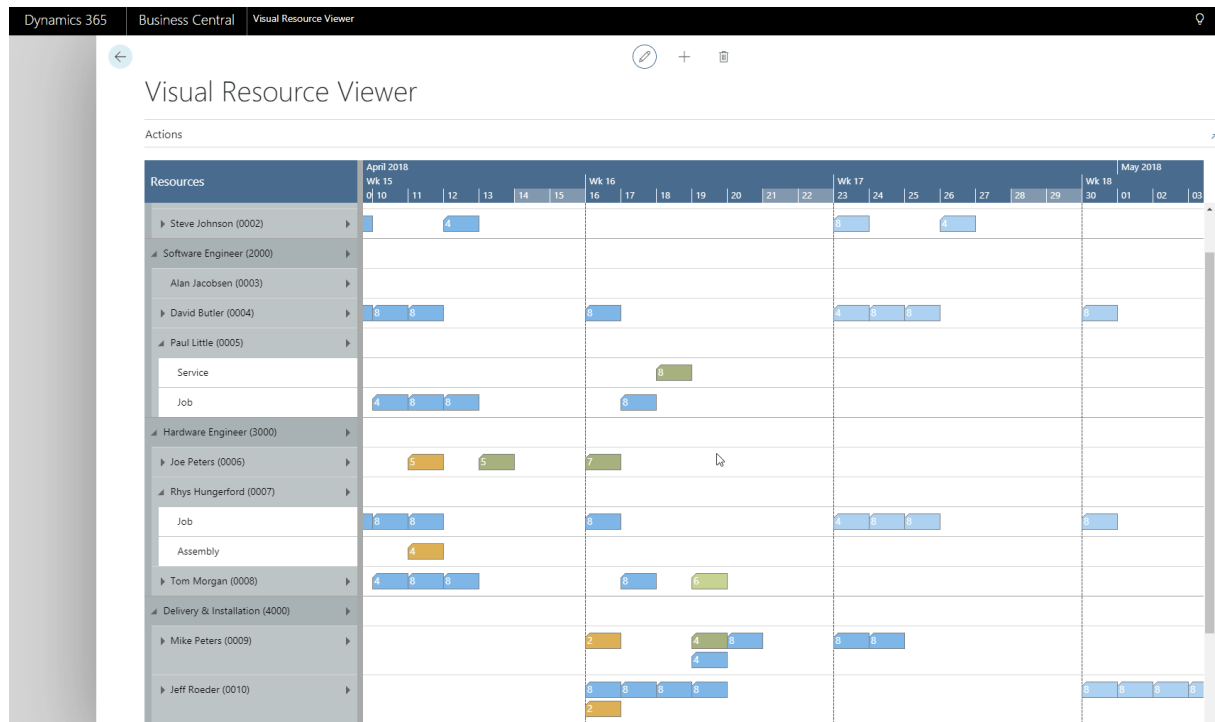
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## 1. Technical requirements

Microsoft Dynamics 365 Business Central

## 2. Understanding the VRV

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	

- A menu bar, called “**Actions ribbon**”, allowing to make basic settings that will be explained in detail in the following.

### Actions

General ▾ Timescale ▾ Histogram ▾ Administration ▾

## 3. Open Microsoft Dynamics 365 Business Central dialogs

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...

The screenshot shows a table of resources on the left and a 'Service Order Allocation' dialog box on the right. The resource table lists various roles and individuals, including Steve Johnson (R0130), Software Engineers (2000), Unassigned - Project Manager (R0070), Paul Little (R0120), Hardware Specialists (3000), Hardware Engineer - Group (R0040), and Joe Peters (R0100). The dialog box displays the following information:

Service Order Allocation	
Document No.	SO002
Service Item Line No.	10000
Allocated Hours	40
Starting Time	
Finishing Time	
Description	
Status	Active
Repair Status	
Document Type	Order

...will call the according dialog:

Manage
Process
Warehouse
Page
More options

EDIT - SERVICE ORDER - S0002 - TREY RESEARCH - SERVICEORDERTWO

General
Show more

No.
SO002
...

Description
ServiceOrderTwo

Customer No.
20000

Contact No.
KT000003
...

SELL-TO

Name
Trey Research

Address
Southwark Bridge Rd, 91-95

City
München
...

Post Code
80997
...

Country/Region Code
DE

Contact Name
Brigitte Werner

Phone No.

Email
brigitte.werner@contoso.com

Service Order Type

Contract No.
...

Response Date
4/9/2018

Response Time
2:02:37 PM

Priority
Low

Status
Pending

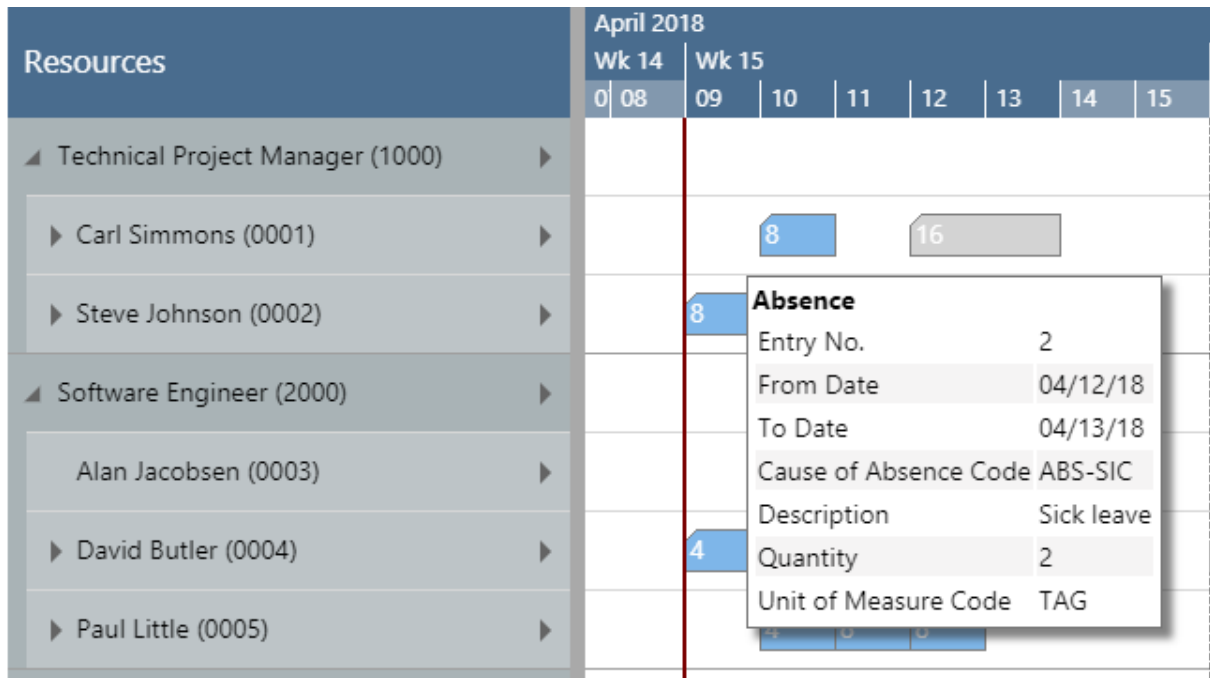
Release Status
Open

Lines
Manage
More options

SERVICE ITEM NO.	ITEM NO.	SERVICE ITEM GROUP CODE	SERIAL NO.	DESCRIPTION	REPAIR STATUS CODE	WA...	CONTRACT NO.
SI003	1908-S			LONDON Schreibtischstuh...		<input type="checkbox"/>	
						<input type="checkbox"/>	

## 4. View absence information

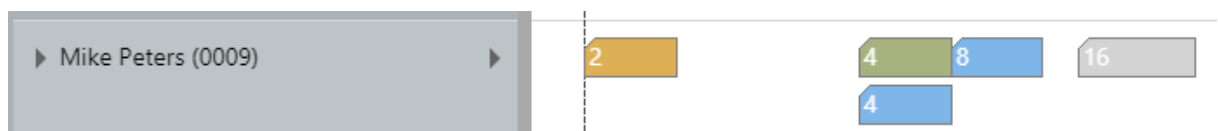
Absences of a resource are visualized in the VRV by way of a grey bar. Hovering over such a bar with the mouse, will cause a tooltip window to open, showing all information specifying the absence of this particular resource at this particular date.



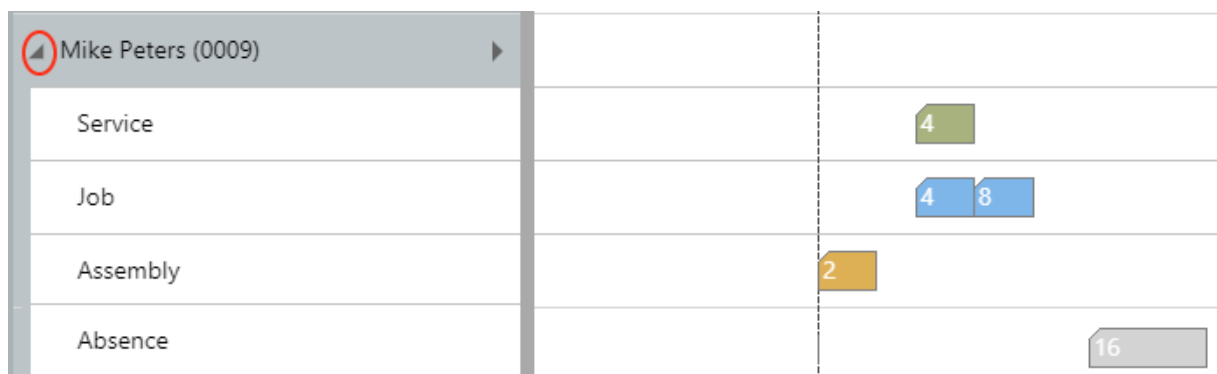
## 5. Collapsing and expanding

The VRV allows to view your data from different angles easily and quickly.

- **Collapsed** resources show their capacity load in **one row**

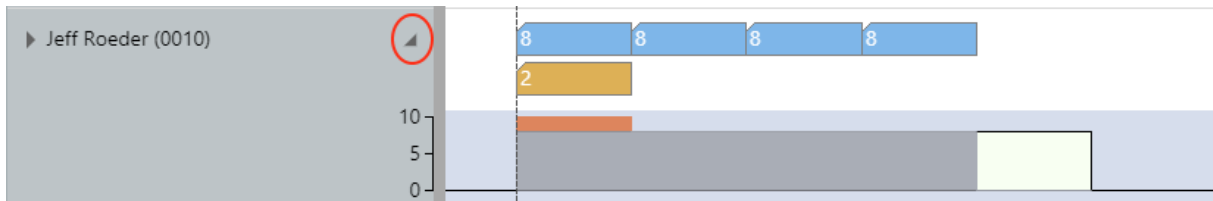


- In **expanded resources** the resource allocation is shown grouped by Job, Service, Assembly, and Absence

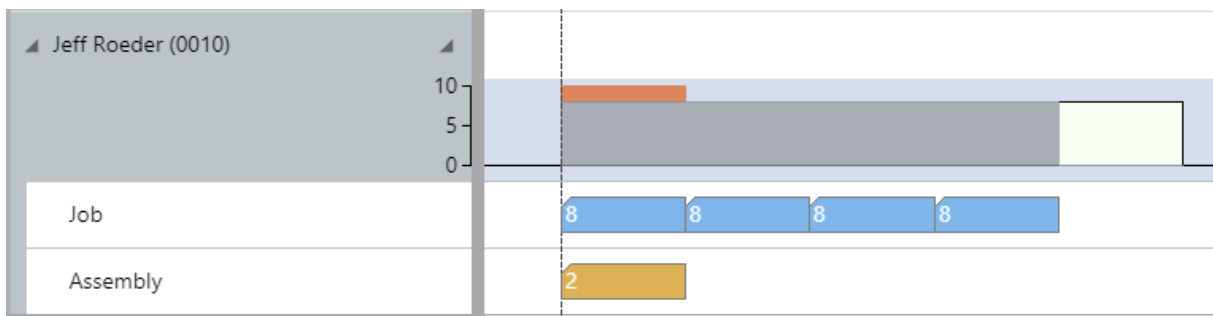


## 6. Capacity information

In the VRV, you can show a capacity curve to see free and exceeded capacities, a red box indicating an overload:

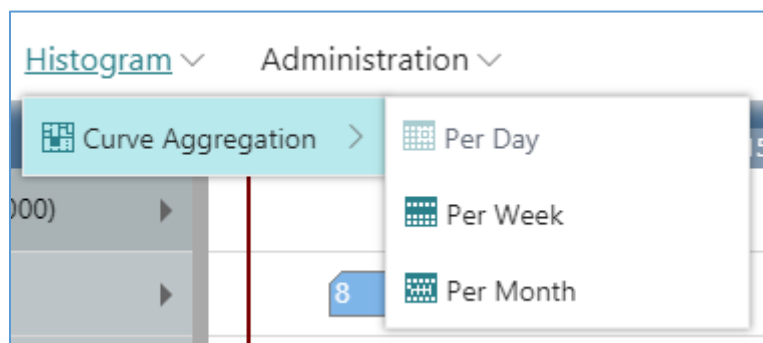


In case the resource (group) line is expanded, the capacity information gets even more detailed:



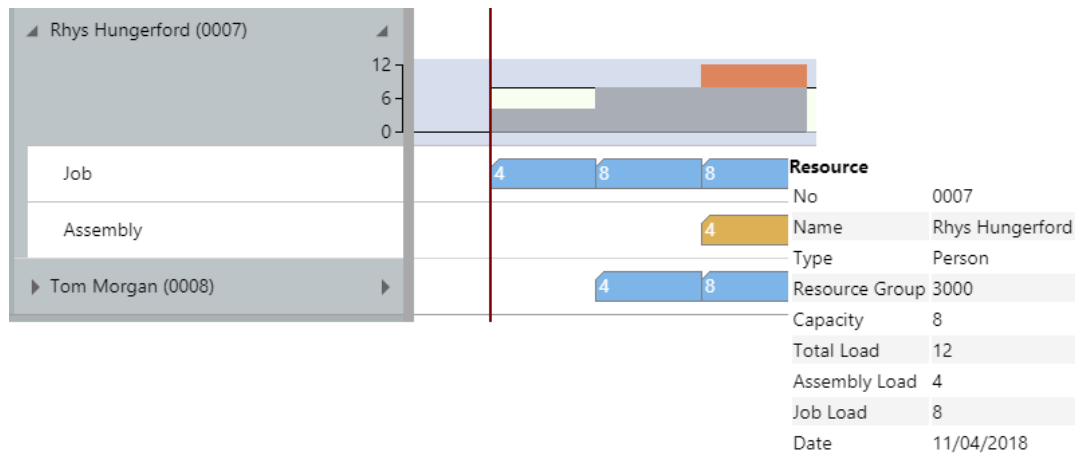
### 6.1. Set curve aggregation

For refining the capacity information, the VRV offers different curve aggregations, to be set by the Actions ribbon:

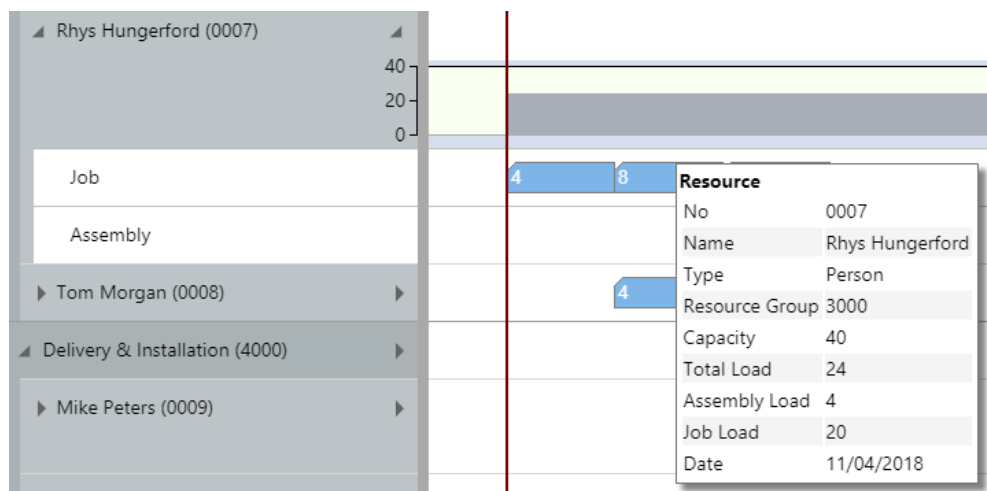


The options in detail:

- 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.

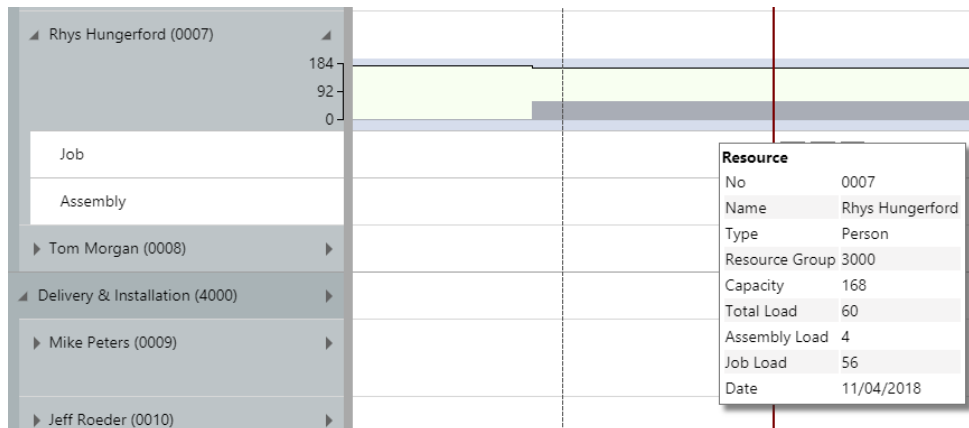


- The **weekly capacity** is calculated based on a resource's weekly work hours minus the daily total load, in the example below: 40 – 24 = 16 hours.





- The **monthly capacity** is calculated based on a resource's monthly working hours minus the total load, in the example  $168 - 60 = 8$ .



## 7. Navigation in the VRV

Navigating in the VRV largely comprises setting the time range for which parts of your plan are shown, modifying the timescale solution and quickly scrolling to certain parts of your plan.

### 7.1. Setting the timeframe

The timeframe specifies the time range covered by the timescale, either fixed by absolute values or relative to the workday. This is done in the "Setup" dialog, to be reached by clicking the "General" item in the "Actions" ribbon.

EDIT - NETRONIC VRV SETUP - KERSTIN.SIECKMANN

**Timeframe Type**

Starting/Ending Date Input Type ..... Relative Absolute Relative

**Timespan**

ABSOLUTE VALUES		RELATIVE VALUES	
Starting Date .....	3/12/2018	Starting Date .....	-2W
Ending Date .....	7/9/2018	Ending Date .....	+1M

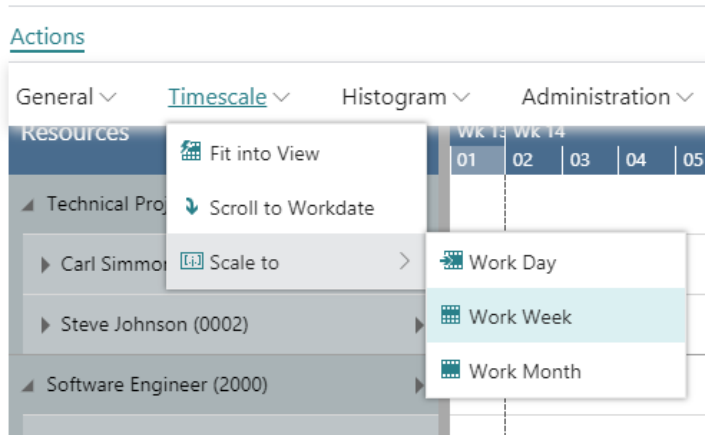
Close

### 7.2. Change the timescale resolution

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

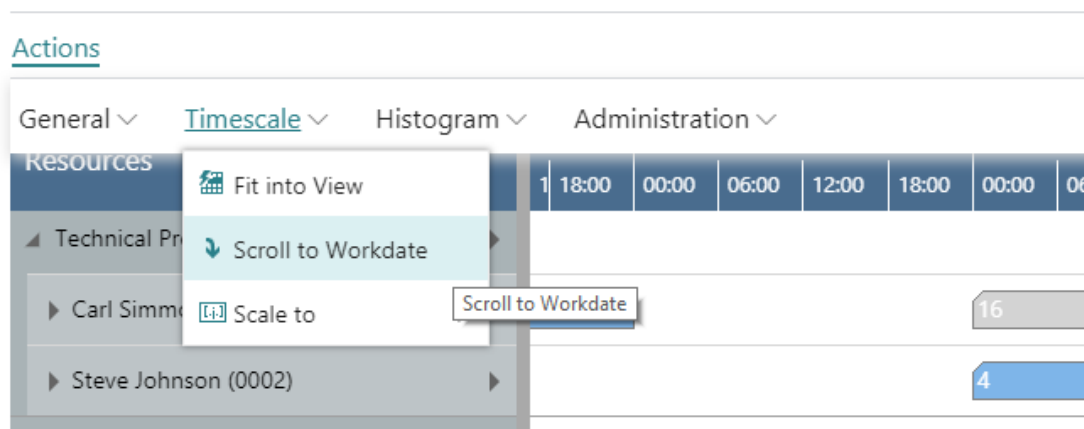
- or, more specifically, by the corresponding items of the “Actions” ribbon, based on the work date as having been specified in the settings of Dynamics 365 Business Central.



### 7.3. Scrolling

The VRV offers the following options for quickly navigating to certain positions in the diagram:

- the common scrolling options by vertical and/or horizontal scrollbar
- dragging the timescale either right or left
- scroll directly to the Dynamics 365 Business Central work date by selecting the corresponding item from the “Actions” ribbon.

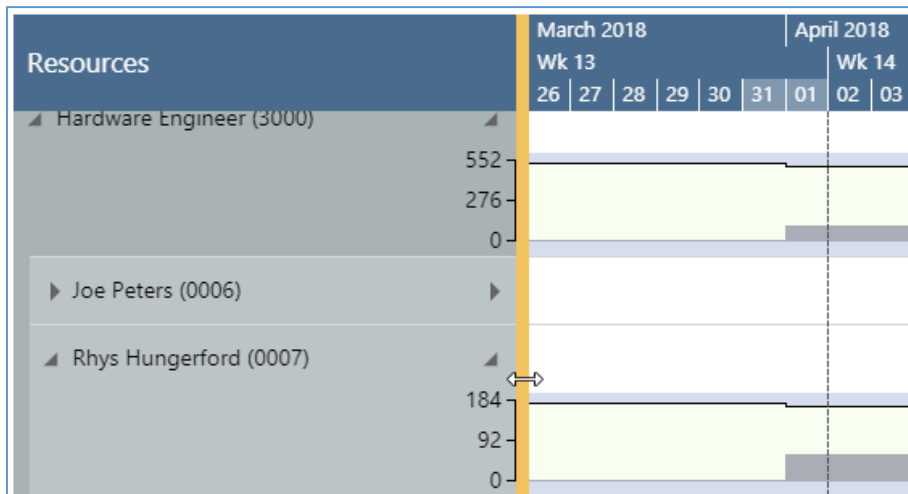


### 7.4. Fit into view

Select this item from the “Timescale” menu in the “Actions” ribbon to switch directly to the timescale as defined in the “Setup” dialog.

## 7.5. 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.



## 8. 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

