

# MindPlan

# Scheduling, Dependencies, and Resource Management

User Manual Part III - Status as of January 2009



# Scheduling, Dependencies, and Resource Management

In this chapter, we will show you how to schedule activities and work packages in the time line, define milestones and create dependencies in the Gantt editor. You will learn how easy resource planning can be and how to use standard analyses to check your resource planning and capacity of the project members.

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## Getting started with the Gantt editor

The Gantt editor helps you to schedule your project clearly. You use the Gantt editor as follows:

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Eile Edit View Greate Attachment Analysis Extras Windows	Help	
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▼ →   <b>→   000</b>   <b>= √ X</b>   <b>0 2</b>   <i>7</i> <b>2</b>	9 🕘 🧐 🧐 🧐 😵 🖉 😽 🚽	
Communication Program New Product Launch 🗙		Tour next steps X
Standard Resources  Capacity  Mlestones & Dates Overview  Exceeding Targe Subject	Prio	A collection of important operations for the current node selection:
Communication Program New Product Launch		Toute selection:     Toute selection:     Toute selection:     Create another branch.     Create another branch.     Create another branch.     Shows you an extended selection     of types for the creation of a     node.     Create multiple modes     Create multiple modes

- 1 Note the »Map« and »Gantt« tabs at the top right of the window. The Gantt tab must be active. If the »Map« tab is active, click on »Gantt«. See the tabs at the top left: The »Standard« tab must be active.
- 2 Then open your project structure on the left by clicking on the plus symbol.

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Scommunication Program New Product Launch ×									1	🕈 Your next steps 🛛 🗙
Standard Resources Capacity Milestones & Dates Overview Exceeding Ta	rget Durat	tion Cost	Deviation   n	nore +				scale bar chart view		A collection of important
Subject	Prio	Start	Due date	Target duration	5	11/2/08	я м  1	11/9/08 W T F S S M T W T	Map Ga	operations for the current node selection:
📔 🧸 🔵 📎 Communication Program New Product Launch				63					• 2	A collection of fitting
💷 🌼 00 Brainstorming				1				go to first/last activity		data exports for the
II 🗉 📓 🔵 01 Project Structure				62			1			current node selection:
🛛 🖃 🛃 🔾 Concept & Planning				43				as to summark data	-1	
😑 👙 Develop program	:		- la - ut-	-	1			go to current date	^	Tind ×
Develop press confer show/h	ide i	Dar o	Inarc	2		_	- 2			A trace there are a second
O Develop event progra					Þ			navigate to top/bottom		show/hide
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Invitations				18			- 1			×
Design invitations	char	t siz	e	2	-	-		navigate to left/right	-	Bookmarks ×
OPrint invitations     Dar     OCreate distribution list	critar	C 512		-					-	F Outline ×
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#### Overview of the control bars in the Gantt editor

#### Show/hide right sidebar

The right sidebar remains visible if you opened it previously in the map editor. Close or open it as required by clicking on the small triangle.

#### Middle control bar

Using this bar, you can determine the proportions of the table view on the left and the bar chart on the right. To do this, move the bar to the left or right or open and close the right window using the small gray triangle in the middle of the bar.

#### Right control bar

Use the buttons if required to arrange or scale the bar chart display. Note the function descriptions for these in the figure above.

#### Arrange the table view

The project structure created earlier in the map editor is displayed in the Gantt editor in the left table column in a hierarchical list.

	Subject	Prio	Start	Due date	Target duration	Resource	Done	%
	晶 🔵 📎 Communication Program New Product Laur				60			2
•	🔅 00 Brainstorming				1	Harry Maine	~	1009
	暑 🔵 01 Project Structure				59			0
	暑 🔵 Concept & Planning				40			0
🕀	🍅 🔵 Develop program				5			0'

Use the plus and minus symbols in the bar on the left or the plus and minus keys on your keyboard to open and close the structure.

The figure above shows you how columns are displayed by default. You can configure these directly in the open MindPlan or in the default settings as described below.

#### Configure table columns directly

Subject	Prio	Start	Due date	Target Resource	Done % 05.01.0
🚜 🔵 📎 Communication Program New Product Laur				🚮 Hide column	204
🔅 00 Brainstorming				🌉 Show column	Description
http://www.comment.com/active/				🔣 Show standard-column	
暑 🔵 Concept & Planning				Column alignment	<ul> <li>Subject(root node)</li> <li>Project manager</li> </ul>
🍅 🔵 Develop program			-		Chart(day)
🍅 🔵 Invitations				Optimize column width	Start (cw)
🍪 🔵 Design invitations	0			2 Milly Smith	Starts at
🌼 🔵 Print invitations	0			1 Print Compan	

- 1 Right-click in a column you want to hide. Select »Hide column« in the menu.
- 2 Add columns in the »Show column« menu.
- 3 Set the column display to the system default by selecting »Show standard-columns«.
- 4 Use the »Column alignment« menu item to determine whether the content of individual columns should be left-aligned or right-aligned.
- 5 By clicking on the »Optimize column width« menu item you distribute the columns to optimally fit the available width of the window.

#### Define table configuration as a default in the default settings.

Configure your personal default settings for displaying tables in MindPlans.

- 1 Choose File Settings in the top menu bar.
- 2 Open the »Layout« menu in the menu bar on the left by clicking on the small plus symbol.
- 3 Then select the »Gantt details« menu item.
- 4 A list of possible columns for your Gantt table is displayed in the contents area on the right. Activate or deactivate the individual columns by selecting or deselecting the check boxes in the »Visible« column.
- 5 Determine the order of the columns using the »up« and »down« buttons to move a selected column one step at a time.
- 6 Confirm with »Apply« to save your settings and stay in this menu.

General • Node creation	Gantt details	
Node settings     Layout     Map Ines     Gant colors     Activities     Cloboard operations     MindPlan Startup     Synchronization     Security     Toolkips     SideBar     Composite Application	<ul> <li>□ Display solid bar for deliverables</li> <li>☑ Warning of overdue activities</li> <li>Warning of overdue activities for deliveratives</li> <li>④ adopt warning state from sub-entry</li> <li>○ adopt from sub-entry with the most</li> <li>♥ or adopt from sub-entry w</li></ul>	with the latest due date
		Default Apply

- 7 Click on »Default« to reset the selected settings to the default settings.
- 8  $\,$  Confirm with »OK« to save your settings and exit the menu.

## Scheduling in the Gantt editor

Assign a start date and due date to your activities either by entering these in the table column or using the drag & drop function in the bar chart.

**Note:** The description in this section assumes that you have already created activities in the map view (see MindPlan user manual part II for details on how to do this, or create activities as described in the section »Create, arrange or convert elements in the Gantt editor«).

#### Schedule activities in the table view

Go to the left table view of your Gantt editor. Close the bar chart if necessary by clicking on the triangle in the middle bar. Or move this bar so that all the columns are visible.

	Subject	Prio	Start	Due date	Target duration	Resource	Done	%
	📕 🔵 📎 Communication Program New Product Launch				63			2%
±	🌼 00 Brainstorming				1	Harry Maine	~	100%
	暑 🔵 01 Project Structure				62			0%
	攝 🔵 Concept & Planning				43			0%
Ð	🍅 🔵 Develop program				5			0%
	🍅 🔵 Invitations				18			0%
	💇 🔵 Design invitations	0	þ/12/09🛃		2	Milly Smith		0%
	🧔 🔵 Print invitations	0			1	Print Company		0%
	🏟 🔵 Create distribution list	2			2	Daisy Hill		0%
	🔅 🔿 Create mailings & send out	0			3	Daisy Hill		0%

- 1 Open the project structure if this is not already open in order to edit an activity (see the example in the figure above).
- 2 First select the row in which you want to create entries.
- 3 Click in the »Start« cell until it is editable.
- 4 Type the date, for example »2/12/09«. Alternatively, select a date from the calendar menu, which you open by clicking on the small magnifying glass.
- 5 Confirm your entry using the Tab key in order to move to the next cell. MindPlan calculates the due date automatically using the previously entered target duration of 2 days. Overwrite the due date, if required.

**Caution:** A previously-defined target duration may change as a result of dates being entered. You can find information on this in the next section of this manual »Change the target duration«.

- 1 Confirm with Enter to exit edit mode.
- 2 Alternatively, use the key combinations  $\uparrow$  or  $\downarrow$  to move your cursor up or down to edit the cells above or below respectively.

#### TIP:

Move your cursor to a particular cell and press the F2 key to enter edit mode.



	lard Resources Capacity Milestones & Dates Overview Exceeding Ta	inget Dai					-	
	Subject	Prio	Start	Due date	Target duration	Resource	Done	%
	📕 🔵 📎 Communication Program New Product Launch		2/12/09	2/13/09	63			2%
Ð	🔅 00 Brainstorming				1	Harry Maine	×	100%
	暑 🔵 01 Project Structure		2/12/09	2/13/09	62			0%
	暑 🔵 Concept & Planning		2/12/09	2/13/09	43			0%
Ð	🍅 🔵 Develop program				5			0%
	🍅 🔵 Invitations	1	2/12/09	2/13/09	18			0%
	🤣 🔵 Design invitations	0	2/12/09	2/13/09	2	Milly Smith		0%
	🔅 🔾 Print invitations	0			1	Print Company		0%
	🔅 🔵 Create distribution list	2			2	Daisy Hill		0%
	🍪 🔵 Create mailings & send out	0		2	3	Daisy Hill		0%

Note how MindPlan applies the start date and due date to the work packages and deliverables above based on what you enter. If you have scheduled all dates down to the last detail, MindPlan calculates each first start date and last due date and cumulates the planned duration. This provides you with a good overview of how long you will need in total for the »Concept & Planning« deliverable, for example.

#### Change or delete the start and due dates

You change planned time periods retrospectively by revising the start and due dates of activities. Delete these dates by deleting the date from a cell.

#### Schedule activities in the bar chart

As an alternative to the method for entering dates described above, you can easily schedule periods for activities using the drag & drop function in the bar chart.

#### Preparation

_	ard Resources Capacity Milestones & Dates Overview Exceeding Ta		-			_			,				
	Subject	Prio	Start	Due date	Target duration	T	w T	F S	2/15/09 5 M	r w T	F	2/22/09	Map G
	🚜 🔵 📎 Communication Program New Product Launch		2/12/09	2/13/09	63		 						Gantt
Ð	🏟 00 Brainstorming				1								-
	🔏 🔵 01 Project Structure		2/12/09	2/13/09	62								
	暑 🔵 Concept & Planning		2/12/09	2/13/09	43							Firs	st activi
•	🍅 🔵 Develop program				5								^
	🍅 🔵 Invitations		2/12/09	2/13/09	18								
	🌼 🔵 Design invitations	0	2/12/09	2/13/09	2								
	🌼 🔵 Print invitations	0			1								
	🏟 🔵 Create distribution list	2			2								
	🔅 🔵 Create mailings & send out	0			3								

- 1 Click on the »First activity« button in the control bar on the right of the bar chart to go to the date on which your schedule begins.
- 2 Close the right sidebar, if necessary, or move the middle control bar to the right so that the entire bar chart is displayed.

Please note that this is not possible unless you have scheduled at least one date.

#### Create time bars for activities using your mouse

		1			Target					ſ	2/15/0	)9			
	Subject	Prio	Start	Due date	duration	т	W	Т	F S	5	S M	Т	W	T	F
	📕 🔵 📎 Communication Program New Product Launch		2/12/09	2/13/09	63			_							
Ð	🏟 00 Brainstorming				1										
	暑 🔵 01 Project Structure		2/12/09	2/13/09	62										
	暑 🔵 Concept & Planning		2/12/09	2/13/09	43										
•	🍅 🔵 Develop program				5										
	🍅 🔵 Invitations	8	2/12/09	2/13/09	18										
	🌼 🔵 Design invitations	0	2/12/09	2/13/09	2			10 - 13							
	🏟 🔵 Print invitations	0			1									1	
	🏟 🔵 Create distribution list	2			2									9	m
	🔅 🔵 Create mailings & send out	0			3										4

- 1 Place your cursor in the row of the activity for which you want to specify a date. Place it in the calendar column that shows the date on which the activity is to begin.
- 2 Hold down the mouse button and drag your mouse from top left to bottom right. The red arrow in the calendar bar helps you determine the exact due date.

	Subject	Prio	Start	Due date	Target	2/15/09							
	Subject	THO	Scare	Dac date	duration	Т	W	Т	<b>F</b>   S	s	M T	W T	F
	晶 🔵 📎 Communication Program New Product Launch		2/12/09	2/19/09	63			-		-			
Đ	🛟 00 Brainstorming				1								
Ξ	暑 🔵 01 Project Structure		2/12/09	2/19/09	62				_				
	暑 🔵 Concept & Planning		2/12/09	2/19/09	43					-			
±	🍅 🔵 Develop program				5								
	🍅 🔵 Invitations		2/12/09	2/19/09	18				_	_			=
	🌼 🔵 Design invitations	0	2/12/09	2/13/09	2								
	🔅 🔵 Print invitations	0	2/15/09	2/19/09	1								
	🍪 🔵 Create distribution list	2			2								
	🌼 🔵 Create mailings & send out	0			3			Ռ	2				
	🌼 🔵 Document responses in participants list	3			10			2	2				
Đ	Cocation				6								

You can carry out this action for a single day or long periods of time. In the case of long periods of time, it is best to resize the calendar view first (see section »Getting started with the Gantt editor« in this manual).

You can also schedule periods for multiple activities in this way by dragging your mouse over several rows and changing the length of the bars as required afterwards (see description below).



**Caution:** You can only use this function for activities or milestones as long as no start date and due date has been created.

#### Move time bar in the bar chart



You can change the start date and due date of an activity by moving the time bar for the relevant activity.

- 1 To do this, move your cursor to the bar.
- 2 Click in the center of the bar and move the bar left or right while holding down the left mouse button.



You can also use this function for project elements of the »Milestone« node type.

#### Lengthen or shorten time bar in the bar chart



You can change the start date and due date of an activity by lengthening or shortening the time bar for the relevant activity.

1 Move your cursor to the bar you want to lengthen or shorten.

2 Click at the end of the colored bar.



**Caution:** Do not use the small blue square in the blue frame that is displayed. You use this to create dependencies (see corresponding description in this manual).

- 3 Drag the bar to the required due date. Use the small red triangle in the top calendar bar again to help you.
- 4 Shorten the bar in the same way. Note that you must move the bar if you want the start date to be earlier and then shorten the bar to the due date.

**Caution:** The value in the target duration column may change. See the description in the next section.

#### Change the target duration

The target duration entered previously does not change as long as the selected period for completing the task is the same or longer. If a shorter period is selected, then MindPlan automatically calculates the shorter period and changes the value in the »Target duration« column.

**Example:** An activity can usually be completed within a longer period of time irrespective of the work involved and specified by the target duration: If a maximum of two days were estimated for the activity »Design VIP gala layout«, the activity can still be completed within a period of a week.

and	ard Resources Capacity Milestones & Dates Overview Exceed	ding Tar	get Duratior	n Cost Deviatio	n more •				
	Subject	Prio	Start	Due date	Target duration	w	T	F	s
	🛃 🔵 📎 Communication Program New Product Laur		2/12/09	2/19/09	62				
Ŧ	🔅 00 Brainstorming				1				
	暑 🔵 01 Project Structure		2/12/09	2/19/09	61				
Ξ	暑 🔵 Concept & Planning		2/12/09	2/19/09	42			-	
±	🍅 🔵 Develop program				5				
	🍅 🔵 Invitations		2/12/09	2/19/09	17				-
	🍪 🔵 Design invitations	0	2/12/09	2/13/09	2				
	🍪 🔵 Print invitations	0	2/15/09	2/19/09	1				
	🍪 🔵 Create distribution list	2	2/12/09	2/12/09	2				
	🔅 🔿 Create mailings & send out	0	2/12/09	2/13/09	2				

#### Example 1:

- 1 In the »Create mailings & send out« row, a period of 3 days has been entered in the »Target duration« column. Use the drag & drop function to specify the period 2/12/09 2/13/09 for this activity.
- 2 MindPlan automatically enters the start date and due date in the corresponding table columns without changing the value in the »Target duration« column.

The red color of the bar corresponds to the red priority 1 of the activity.

#### Example 2:

- 1 Enter 2/16/09 in the »Start« column of the »Print invitations« row.
- 2 Use the Tab key to go to the »Due date« field and enter the latest completion date, for example 2/20/09.
- 3 Confirm by pressing Enter. The target duration of 1 day entered previously does not change as long as the selected period for completing the task is the same or longer.

#### Example 3:

	Subject	Prio	Start	Due date	Target duration
	📕 🔵 📎 Communication Program New Product Laur		2/12/09	3/5/09	62
🖿	🔅 00 Brainstorming				1
	暑 🔵 01 Project Structure		2/12/09	3/5/09	61
	暑 🔵 Concept & Planning		2/12/09	3/5/09	42
🗉	🍅 🔵 Develop program				5
	🍅 🔵 Invitations		2/12/09	3/5/09	17
]]	🏟 🔵 Design invitations	0	2/12/09	2/13/09	2
1	🏟 🔵 Print invitations	0	2/15/09	2/19/09	1
1	🍪 🔵 Create distribution list	2	2/12/09	2/12/09	2
1	Invitations are printed and sent out				
	🏟 🔵 Create mailings & send out	0	2/12/09	2/13/09	2
	🤣 🔵 Document responses in participa	3	2/24/09	3/5/09 🛛 🔍	10

You have entered a target duration of 10 days for the »Document responses in participants« activity. This is the maximum amount of work the task manager wants to invest. However, the list is actually maintained over a longer period of time from February until mid-May.

1 Enter the date 2/24/09 in the »Start« column and press the Tab key. MindPlan calculates the due date 3/5/09 from the target duration value.

🗸 Communication Program New Product Launch 🔀								
Stand	Standard Resources  Capacity  Milestones & Dates Overview  Exceeding Target Duration  Cost Deviation   more •							
	Subject	Prio	Start	Due date	Target duration			
	📕 🔵 📎 Communication Program New Product Laur		2/12/09	5/15/09	62			
🗉	🔅 00 Brainstorming				1			
	暑 🔵 01 Project Structure		2/12/09	5/15/09	61			
	暑 🔵 Concept & Planning		2/12/09	5/15/09	42			
🗉	🗉 🌔 Develop program				6			
	🍅 🔵 Invitations		2/12/09	5/15/09	17			
	🍪 🔵 Design invitations	0	2/12/09	2/13/09	2			
	🍪 🔵 Print invitations	0	2/15/09	2/19/09	1			
	🍪 🔵 Create distribution list	2	2/12/09	2/12/09	2			
	Invitations are printed and sent out							
	🍪 🔵 Create mailings & send out	0	2/12/09	2/13/09	2			
	🏟 🔵 Document responses 🛛 in participa	3	2/24/09	5/15/09	10			

2 Overwrite this date with 5/15/09: The value of 10 days entered in the target duration column does not change.

🚣 Communication Program New Product Launch 🗙									
Stand	itandard Resources Capacity Milestones & Dates Overview Exceeding Target Duration Cost Deviation more								
	Subject	Prio	Start	Due date	Target duration				
	📕 🔵 📎 Communication Program New Product Laur		2/12/09	3/3/09	60				
⊞	🔅 00 Brainstorming				1				
	暑 🔵 01 Project Structure		2/12/09	3/3/09	59				
	暑 🔵 Concept & Planning		2/12/09	3/3/09	40				
⊞	🍅 🔵 Develop program				5				
	🍅 🔵 Invitations		2/12/09	3/3/09	15				
	🍪 🔵 Design invitations	0	2/12/09	2/13/09	2				
	🍪 🔵 Print invitations	0	2/15/09	2/19/09	1				
	🍪 🔵 Create distribution list	2	2/12/09	2/12/09	2				
1	Invitations are printed and sent out								
]]	Oreate mailings & send out 2/1 2/09 2/1 3/09								
1	🏟 🔵 Document responses 🛛 in participa	3	2/24/09	3/3/09	8				

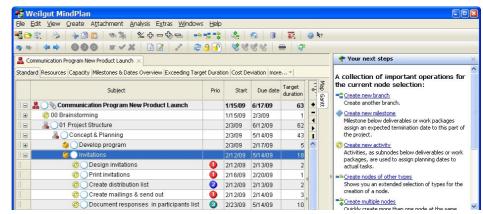
3 If you overwrite this date with a date earlier than 3/5/09, the target duration shortens automatically to the reduced value of 8 days. Correct this value to 10 days, if required. The bar length does not change as a result.

#### Create milestones in the table view

Let us assume that you require a milestone in a work package. You do not have to switch to the map editor to create a milestone. Create the milestone directly using the right sidebar or using the keyboard:

#### Create milestone using the right sidebar

In the example below, we assign a milestone to a work package to define a result to be achieved. Create this milestone below the work package concerned using the right sidebar.



#### **ALTERNATIVELY:**

- Press the Insert key to create an entry below the work package or in any table row at all.
- Note that MindPlan places the entry in a logical position (for example at the end of a list), which you can change by choosing File – Settings.
- 1 Select the »Invitations« work package.
- 2 Click on »Create new milestone« in the »Your next steps« menu in the right sidebar.

	🍅 🔵 Invitations		2/12/09	5/14/09	18
	🏟 🔵 Design invitations	0	2/12/09	2/13/09	2
1	or Print invitations	0	2/16/09	2/20/09	1
	🌼 🔵 Create distribution list	2	2/12/09	2/13/09	2
1	🏟 🔵 Create mailings & send out	0	2/12/09	2/14/09	3
	ocument responses in participants list 🎯	3	2/23/09	5/14/09	10
	Invitations are printed and sent out				

3 Enter the milestone name provided that the »New milestone« default text is highlighted: for example »Invitations are printed and sent out«.

#### Arrange milestone

Let us assume you want to list the milestone directly after the activity »Create mailings & send out«. Proceed as follows:

	🍅 🔵 Develop program		2/3/09	2/17/09	5
	🍅 🔾 Invitations		2/12/09	5/14/09	18
	🔅 🔵 Design invitations	0	2/12/09	2/13/09	2
	🔅 🔵 Print invitations	0	2/16/09	2/20/09	1
	🔅 🔵 Create distribution list	2	2/12/09	2/13/09	2
	🔅 🔵 Create mailings & send out	0	2/12/09	2/14/09	3
	🔅 🔵 Document responses in participants list	3	2/23/09	5/14/09	10
, h	lnvitations are printed and sent out				
	🍅 🔵 Location		2/19/09	2/21/09	6
<b>E</b>	🍅 🔵 Advertising		2/19/09	2/22/09	14

- 1 Click on the double lines in the gray bar to the left of the milestone.
- 2 Hold down the left mouse button and move this table row to the required position. A black line indicates to where the table row will be moved.

**Note:** You can use this function with all node types. For example, if you want to move a node that has sub-nodes, these will be set to the new position together.

#### Create milestones in a certain row

If you wish to create the milestone directly below a certain row and on the same level in the table structure, proceed as follows:

📙 🎒 🔵 Invitations		2/12/09	5/14/09	18
Ø ODesign invitations	0	2/12/09	2/13/09	2
Ø OPrint invitations	0	2/16/09	2/20/09	1
Create distribution list	2	2/12/09	2/13/09	2
📗 🛛 🧑 🔵 Create mailings & send out	0	2/12/09	2/14/09	3
📗 🕺 🔵 Document responses in participants list	3	2/23/09	5/14/09	10

- 1 Select the row below which you want to create the milestone.
- 2 Press the Enter key.

	🍅 🔵 Invitations		2/12/09	5/14/09	18
	🔅 🔵 Design invitations	0	2/12/09	2/13/09	2
1	🏟 🔵 Print invitations	0	2/16/09	2/20/09	1
	🍪 🔵 Create distribution list	2	2/12/09	2/13/09	2
1	🏟 🔵 Create mailings & send out	0	2/12/09	2/14/09	3
	Invitations are printed and sent out				
	🌼 🔵 Document responses 🛛 in participants list	3	2/23/09	5/14/09	10

3 Enter the milestone description and confirm with Enter. A new row is inserted below as required.

Using this function, you automatically copy the »Activity« type of the »Create mailings & send out« row, which you simply convert to a milestone using the right sidebar:

A C	ommunication Program New Product Launch $ imes$						🛉 Your next steps
Stand	ard Resources Capacity Milestones & Dates Overview Exceeding Targe	et Durati	ion Cost De	viation   more	• •		A collection of important operations for
	Subject	Prio	Start	Due date	Target duration	\$	the current node selection:
	Long the second		1/15/09	6/17/09	63		Create another branch.
•	📀 00 Brainstorming		1/15/09	2/3/09	1	-	
	🔏 🔵 01 Project Structure		2/3/09	6/12/09	62		Shows you an extended selection of types for the creation of a node.
	🔏 🔵 Concept & Planning		2/3/09	5/14/09	43	Í	Create multiple nodes
<b>•</b>	🍅 🔵 Develop program		2/3/09	2/17/09	5	^	Quickly create more than one node at the same
	🍅 🔾 Invitations		2/12/09	5/14/09	18		time.
	o Design invitations	0	2/12/09	2/13/09	2		O More types to change to
	🔅 🔾 Print invitations	0	2/16/09	2/20/09	1		Shows you an extended coloction of turner upon change the node to, Sanch B
	🌼 🔵 Create distribution list	2	2/12/09	2/13/09	2	4	▲ Milestone × M
	🌼 🔵 Create mailings & send out	0	2/12/09	2/14/09	3		A collection of fitt
	🔅 🔵 Invitations are printed and sent out	0					Send links to podes a SMindPlan link K
	ocument responses in participants list 🄇	3	2/23/09	5/14/09	10		S Find

1 Provided the row is highlighted in blue, click on »More types to change to« in the »Your next steps« menu in the right sidebar. From the various options displayed, select the »Milestone« type.

🗏 😑 🚺 🗐 🗍 Invitatio	ons		2/12/09	5/14/09	18
🔅 🔿 De	sign invitations	0	2/12/09	2/13/09	2
📗 🔅 🔾 Pri	nt invitations	0	2/16/09	2/20/09	1
ØOCre	ate distribution list	0	2/12/09	2/13/09	2
ØCre	ate mailings & send out	0	2/12/09	2/14/09	3
📗 🧄 Invitati	ons are printed and sent out				
ØOD0	cument responses in participants list	3	2/23/09	5/14/09	10

2 The activity has now been converted to a milestone, as you can see from the milestone icon at the beginning of the row.

#### Assign a date to the milestone

You can assign a date to the milestone as described in sections »Schedule activities in the table view« and »Schedule activities in the bar chart«.



**Caution:** You can assign just one specific date to a milestone, not a period as you can for an activity.

#### Create, arrange or convert elements in the Gantt editor

#### Create elements in the table

You can create any element in the Gantt editor that you can create in the map editor. Use the customary functions from the map editor to do this:

- Sidebar: if you wish to create branches or certain node types one level below the selected row
- Keyboard entries: Enter (same type, same level), Insert (neutral branch, level below)

The right sidebar helps you with project management functions in particular. In the »Your next steps« menu, the possible options for creating elements are always context-sensitive.

- 1 Select a table row in the Gantt editor.
- 2 Select an option in the right sidebar below »Your next steps«.

The new branch (that possibly also has a certain node type) always appears at the bottom of the table rows listed below the selected branch.

#### Arrange elements in the table hierarchically

The table contains different elements (activities, milestones, meetings, etc.). You can clearly arrange the hierarchical order directly in the table view:

	Subject	Prio	Start	Due date	Target duration
	晶 🔵 📎 Communication Program New Product Laur		2/12/09	2/19/09	62
Ð	🔯 00 Brainstorming				1
	暑 🔵 01 Project Structure		2/12/09	2/19/09	61
	暑 🔵 Concept & Planning		2/12/09	2/19/09	42
Ð	🍅 🔵 Develop program				5
	🍅 🔵 Invitations		2/12/09	2/19/09	17
	🏟 🔵 Design invitations	0	2/12/09	2/13/09	2
	🏟 🔵 Print invitations	0	2/15/09	2/19/09	1
	🍪 🔵 Create distribution list	2	2/12/09	2/12/09	2
	🍪 🔵 Create mailings & send out	0	2/12/09	2/13/09	2
հղ	lnvitations are printed and sent out				
4	ocument responses in participa 🌼	3			10

1 Click on the gray bars to the left of the table row.

2 Hold down the left mouse button and move this table row to the required position. A black line indicates to where the table row will be moved.

**Note:** You can use this function with all elements. For example, if you want to move a node that has sub-nodes, these will be set to the new position together.



**Caution:** Using this function, you can move branches one or several levels upwards, but not one level downwards. To do this, switch to the map editor and define the hierarchy.

#### Convert node types in the table view

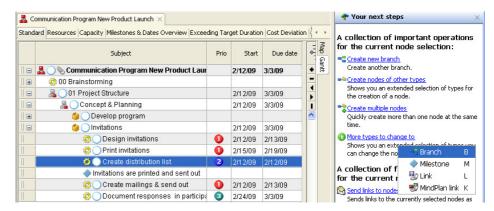
Convert node types directly in the Gantt editor using the right sidebar and the »Your next steps« menu:

- 1 Select a table row.
- 2 In the »Your next steps« menu in the right sidebar, select the option »More types to change to«. Select the required type from the options offered.

**Note:** Depending on which node type you select and where, the right sidebar offers certain node types in the »Your next steps« menu according to the context.

MindPlan thus ensures that calculations and analyses across several levels work reliably from a project management perspective. Therefore it is not possible to have an activity under an activity (see also MindPlan user manual part II »Developing a Project Structure using Work Packages, Activities and Resources«).

#### Examples



Below a work package you can change a branch to the node types Branch, Milestone, Link and MindPlan link.

G	ommunication Program New Product Launch $ imes$						Your next steps		
and	ard Resources Capacity Milestones & Dates Overview Exceed	ding Tar	get Duratio	n Cost Deviatio	1	_	for the creation of a	ded selection of types node.	
	Subject	Prio	Start	Due date	<b>*</b>	Map Gantt		<u>stone</u> a milestone, to define this part of the project	
	📕 🔵 📎 Communication Program New Product Laur		2/12/09	3/3/09	•	7	Convert node to acti		
±	🔅 00 Brainstorming				-			an activity, in order to	,
	🔏 🔵 01 Project Structure		2/12/09	3/3/09			assign actual plannin	g dates to the node.	
	攝 🔵 Concept & Planning		2/12/09	3/3/09	Í		Convert node to wor		
±	🍅 🔵 Develop program				-		To form a group of a this node to a work p	ssociated task, conver	t
3	🍅 🔵 Invitations		2/12/09	3/3/09			Convert node to delin	-	
	🐼 🔵 Design invitations	0	2/12/09	2/13/09				your project into smalle	er
	🍪 🔵 Print invitations	0	2/15/09	2/19/09			parts, convert this n	ode to a deliverable.	
	🍪 🔵 Create distribution list	2	2/12/09	2/12/09			More types to chang		
	Invitations are printed and sent out						Shows you an extension you can change the	lad coloction of tunoc 20 Link	L
	🍪 🔵 Create mailings & send out	0	2/12/09	2/13/09				🔊 MindPlan link	К
	🔅 🔵 Document responses in participa	3	2/24/09	3/3/09			A collection of f	A Deliverable	S
÷	🍅 🔵 Location							Work package	W
±	🍅 🔵 Advertising						More exports Lets you select ot	Activity	A
	New branch						for the selected n	<ul> <li>Milestone</li> </ul>	M
ŧ	暑 🔵 Realization						\infty Find	Meeting	т
	暑 🔵 Project closure						🚖 Image library	-	G
ŧ	🍅 🔵 Project management						Same Map-fragments	🔀 Agenda	G
	<b>• •</b> • • • • • • • • • • • • • • • •								

 Below a deliverable you can change a branch to the node types Link, MindPlan link, Deliverable, Work package, Activity, Milestone, Meeting or Agenda.

## Define dependencies using predecessors

If activities in a project depend on another activity having finished first, then we call these dependencies. In project management software you create dependencies between activities by defining »Predecessors« for an activity.

Advantage: If you shift an activity date during the project, this automatically affects the date of the dependent activity. In complex project plans, this makes rescheduling easier for you. In MindPlan, a warning always provides you with a list of dependent activities that are affected by the date shift. You can check these before agreeing to the automatic rescheduling of your overall plan.

If you do not define any dependencies, you can reschedule successive activities individually. The bar chart helps you by providing a clear display.

#### Create dependencies in the bar chart

**Example of a dependency:** An invitation can only be printed once its design has been completed. The invitation can only be sent once the distribution list has been created, the invitation printed and the letter formulated.

You can create dependencies like these very easily in MindPlan using your mouse:

#### Create dependencies between activities

🍅 🔵 Invitations		2/12/09	3/3/09	
🔅 🔵 Design invitations	0	2/12/09	2/13/09	
🍪 🔵 Print invitations	0	2/15/09	2/19/09	
🍪 🔵 Create distribution list	2	2/12/09	2/13/09	
🔅 🔵 Create mailings & send out	0	2/12/09	2/13/09	

- 1 Point your cursor at the blue square on the right of the blue frame next to the »Design invitations« activity until the square turns red.
- 2 Click on it and hold down the left mouse button.
- 3 Drag a connection to the start of the red bar of the »Print invitations« activity until the square on the left of the blue frame there turns red.
- 4 Release the mouse button. You can see the dependency between two tasks from the arrow connection.

**Note:** It does not matter where the activities are in the project plan. You can also create dependencies to activities or milestones in other work packages, for example.

🍅 🔵 Invitations		2/12/09	3/3/09
🔅 🔵 Design invitations	0	2/12/09	2/13/09
🔅 🔵 Print invitations	0	2/15/09	2/19/09
🔅 🔵 Create distribution list	2	2/12/09	2/13/09
🔅 🔵 Create mailings & send out	0	2/12/09	2/13/09
🔷 Invitations are printed and sent out		2/23/09	
🌼 🔵 Document responses 🛛 in participa	3	2/24/09	3/3/09
🍅 🔵 Location			

#### Dependencies between activities and milestone

- 1 Point your cursor at the blue square on the right of the blue frame next to the »Print invitations« activity until the square turns red.
- 2 Click on it and hold down the left mouse button.
- 3 Keep the mouse button pressed down and drag a connection to the »Invitations are printed and sent out« milestone until the left square on the blue frame turns red.
- 4 Release the mouse button.

🍅 🔵 Invitations		2/12/09	3/3/09	F			1
🔅 🔵 Design invitations	0	2/12/09	2/13/09		<b></b>		
🏟 🔵 Print invitations	0	2/15/09	2/19/09		4	η	
🍪 🔵 Create distribution list	2	2/12/09	2/13/09				
🔅 🔵 Create mailings & send out	0	2/12/09	2/13/09				
🔷 Invitations are printed and sent out		2/23/09					⊷
🔅 🔵 Document responses 🛛 in participa	3	2/24/09	3/3/09				

- 5 The dependency between the activity and milestone has been created. You can see this from the arrow connection.
- 6 Create any number of additional dependencies between the milestone and other activities.

#### Remove dependencies

You can remove dependencies in the properties window of the activity or milestone on the »Predecessor« tab. See the next section »Define dependencies using the »Predecessor« tab« for details on how to do this.



#### Problems when creating dependencies

If you are unable to create dependencies as shown above, then check whether you are still in the »Standard« view. The »Standard« tab at the top left must be active. If the »Resources« tab is active, you cannot create any dependencies.

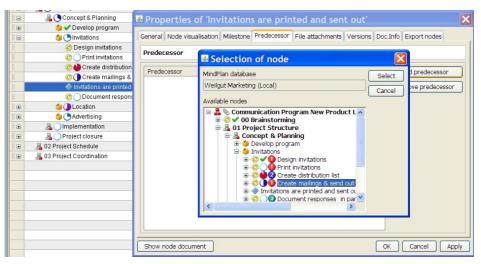
#### Define dependencies using the »Predecessor« tab

Double-click on the »Create mailings & send out« activity. A dialog window opens on which you select the »Predecessor« tab at the top.

eneral Node visualisation Activity Pred	decessor File attachme	ents Versions Doc.Ir	nfo Export nodes				
Predecessor							
Prodecessor	Туре	Buffer (in days)	Add prodocossor				
Predecessor	Type End-Start	Buffer (in days)	Add predecessor				

By creating a dependency from two tasks to the »Create mailings & send out« task (see description in previous section), these activities are defined as predecessors.

#### Add predecessor in the tab



- 1 Double-click on the milestone. The properties window of this node opens.
- 2 Go to the »Predecessor« tab and click on »Add predecessor« at the top right.
- 3 MindPlan opens a window in which you can open your entire project tree. Click on the plus or minus symbols to open and close the tree.
- 4 Select the branch that is a predecessor of this milestone.
- 5 Confirm with »Select« and then OK. The new predecessor appears in the list.

#### Remove predecessor/dependency

- 1 Select the predecessor you wish to remove.
- 2 Confirm with »Remove predecessor«.

## Schedule buffer time

If you prefer to include buffer time when scheduling activities, you can enter this for a predecessor.

	🍅 🕒 Invitations		12.02.09	22.05.09		
	🔅 Design invitations	0	12.02.09	12.02.09		
	🔅 🔵 Print invitations	0	23.02.09	24.02.09		
	🔅 🌢 Create distribution list	2	17.02.09	18.02.09		
	🔅 🕕 Create mailings & send out	0	25.02.09	27.02.09	•	
	Invitations are printed and sent out		02.03.09			♦
	🔅 🔵 Document responses 🛛 in participa	3	03.03.09	22.05.09		
•	🍅 🕖 Location		19.02.09	21.02.09		

- 1  $\,$  Double-click on the milestone and go to the »Predecessor« tab.
- 2 Enter 4.0 for each of the predecessors in the »Buffer (in days)« column.
- 3 Confirm with OK.

	🍅 🕒 Invitations		12.02.09	22.05.09	
	🏟 Design invitations	0	12.02.09	12.02.09	
	🏟 🔵 Print invitations	0	23.02.09	24.02.09	
	🍪 🌢 Create distribution list	2	17.02.09	18.02.09	
1	🌼 🕕 Create mailings & send out	0	25.02.09	27.02.09	
	Invitations are printed and sent out		04.03.09		₩>
	🏟 🔵 Document responses 🛛 in participa	3	03.03.09	22.05.09	
E	🍅 🕖 Location		19.02.09	21.02.09	

4 By entering a buffer of two days, the milestone date has been shifted by 2 days.

#### Problems when entering buffer time

If a milestone is defined as a »Fixed appointment«, MindPlan prevents this milestone from being shifted as a result of buffer times that are entered. The following is displayed:

🛎 U	Unsuccesful changes							
Chan	ges:							
	Subject	Start date	Due date		Cancel			
	Invitations are printed	04.03.09 02.03.09		_				
Star	ting operation: Chage of a	dependency.		^				
<u>^</u> (	Operation: Change of an act	tivity						
	start date of activity "Invitation		ed and sent out" has to be	_				
	tly at "02.03.09".							
	onfirm changes automatica	ally						
mult	tiple activities.		peration is about to change					
Here	e <mark>you can examine t</mark> hese cl	nanges and c	ontirm or reject them.					

Click on »Cancel« to return to the map.

This situation only occurs if there are no work days between the predecessor and the milestone. In this case, you should shorten the scheduled period of the predecessor. If a period from 2/16 to 2/20 has been scheduled, you should shorten this in our example to 2/16 to 2/18.

#### FIXED APPOINTMENT:

- Double-click on the milestone in the map view to open the properties window.
- On the »Milestone« tab, check whether the milestone was defined as a fixed appointment.
- If this is the case, deactivate this function.

#### **Define dependency types**

You can easily change the dependency type in the properties window of an activity or milestone:

neral Node visualisation Activity Pred	lecessor File attachmen	ts Versions Doc.Ir	fo Export nodes	
redecessor				
Predecessor	Туре	Buffer (in days)	Add predecessor	
🔅 🔍 🕕 Print invitations	Start-Start 🗸	0.0	Remove predecessor	
🔅 🌢 🝳 Create distribution list	Start-Start	0.0	Remove predecessor	
	Start-End			
	End-Start			

#### End-Start dependency type

As a rule, dependencies are created from the end date of a task to the start date of another task. This means that an activity must finish before the next one can start.

🍅 🕒 Invitations		12.02.09	22.05.09	
📀 Design invitations	0	12.02.09	12.02.09	
🔅 🔵 Print invitations	0	23.02.09	24.02.09	
🍪 🍑 Create distribution list	2	17.02.09	18.02.09	
🔅 🕕 Create mailings & send out	0	25.02.09	27.02.09	
Invitations are printed and sent out		02.03.09		

**Example:** An invitation can only be sent once the distribution list has been created, the invitation printed and the letter formulated.

#### Start-Start dependency type

If various tasks must start at the same time, you can select the Start-Start dependency type.

🍅 🔵 Develop program		03.02.09	05.02.09	
🔅 🔵 📎 Develop entertainment ideas	0	03.02.09	05.02.09	
🔅 🔵 Develop event program	0	03.02.09	05.02.09	*
🔅 🔵 Develop press conference program	2	03.02.09	05.02.09	<b>.</b>
🔅 🔵 Release program	2	05.02.09	05.02.09	

**Example:** To ensure that a program is well-coordinated, the press conference program, event program and entertainment ideas must be developed synchronously.

#### End-End dependency type

Various tasks must finish at the same time. This is useful if you want a shorter activity to end at the same time as a longer one.

🍅 🔵 Develop program		03.02.09	05.02.09	
🔅 🔵 📎 Develop entertainment ideas	0	03.02.09	05.02.09	
🔅 🔵 Develop event program	0	03.02.09	05.02.09	*
🔅 🔵 Develop press conference program	2	03.02.09	05.02.09	••
🔅 🔵 Release program	2	05.02.09	05.02.09	

**Example:** The program approval takes place at the end of the development phase.

#### Start-End dependency type

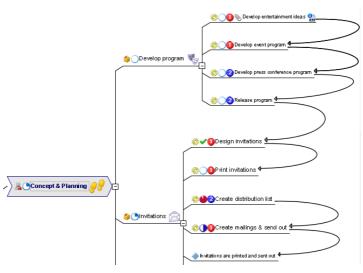
This type is rarely used. It shows that the predecessor activity cannot be completed until the successor has started. This occurs in situations where responsibilities for project deliverables are to be transferred.

🍅 🔵 Develop program		03.02.09	05.02.09	6			
🏟 🔵 📎 Develop entertainment ideas	0	03.02.09	05.02.09	0	Funny Entertainment Ltd.		
🔅 🔵 Develop event program	0	03.02.09	05.02.09	3	Daisy Hill	· · · · · · · · · · · · · · · · · · ·	
🔅 🔵 Develop press conference program	2	03.02.09	05.02.09	2	George Snyder	•	
🔅 🔵 Release program	2	05.02.09	05.02.09	1		لم الم الم الم الم الم الم الم الم الم ا	
🍅 🕒 Invitations		12.02.09	22.05.09	17			
🔅 Design invitations	0	12.02.09	12.02.09	1	Milly Smith		
🔅 🔵 Print invitations	0	23.02.09	24.02.09	1	Print Company		

**Example:** Once the program has been approved, responsibility is transferred from Daisy Hill to Milly Smith.

#### Display dependencies in the map editor

You can also show or hide dependencies you created in the Gantt editor in the map editor.



If you have created dependencies in the Gantt editor, they are also displayed in the map (see figure above). This can sometimes be useful, but sometimes irritating too. You can define the display yourself in the default settings or for the specific MindPlan:

# Activate/deactivate the dependencies display in the map using the default settings

1 Choose File - Settings in the top menu bar.

Settings	×
Settings	Map details         Display node-type symbol         Display symbol if node document contains text         Display priority symbol for activity         Display priority symbol for activity or milestone         Display status symbol for deliverable/project         Display percentage completed symbol for activity         Display symbol for file attachments         Display symbol for file attachments         Display dependencies in map view
	OK Cancel

- 2 Open »Layout« in the tree on the left and click on »Map Details«.
- 3 Activate or deactivate the check box of the bottom item in the list »Display dependencies in map view«.
- 4 Confirm with OK.

**Note:** Changes to this setting will affect all MindPlans that you open in the future.

#### Activate/deactivate the dependencies display in the map in the open MindPlan

- 1 Switch from the Gantt editor to the map editor if necessary by clicking on the »Map« tab at the top right.
- 2 Right-click anywhere on the background of the map and select »MindPlan options«.

Options f	or MindPlan 'Communication Program New Product Launch ഉ
Map display Pr	oject Access rights
Map display	
Details	✓
Additional in	fos below the nodes
💿 Standard	🔿 for this MindPlan
	Display additional infos
	O Hide additional infos
Display activ	ity dependency arrows
◯ Standard	⊙ for this MindPlan
	Display dependencies
	O Hide dependencies
	Standard
<u></u>	OK Cancel Apply

- 3 Select »Details« on the drop-down menu on the »Map display« tab.
- 4 Activate the »for this MindPlan« option in »Display activity dependency arrows«. By doing this, you specify that the change only affects the open MindPlan and that dependencies in other MindPlans are to be displayed as standard.
- 5 Choose between »Display dependencies« and »Hide dependencies«.
- 6 Confirm by clicking on Apply. If you click on Standard, you reset all the settings made in this menu to the system standard.

## Resource planning

A project plan soon becomes quite extensive. The next thing you are interested in as a project team is

- whether the scheduled activities can be accomplished by the resources deployed in the time scheduled.
- who is to carry out what tasks in what period and what dependencies exist between other colleagues.

MindPlan provides the »Resources« standard display for this, which we will describe in the following.

#### View project plan by resources

The »Resources« tab view provides a good overview of who has to do what and when. It is a dynamic analysis of the current project plan, in other words, it is updated as soon as data is changed.

Subject	Prio	Start	Due date	Target duration	Resource	Done	%	мD	F	5 5	(16.0 м (	-	DF	s	_	23.02.0 M D	оя Ім Ір	F	s s	02.03	- 1
Daisy Hill		03.02.09	22.05.09	23			30%		P P		1	_	ין טן	_		-		- 11-	5 5		
Funny Entertainment Ltd.		03.02.09	05.02.09	0																	•
+ O George Snyder		03.02.09	23.05.09	3			0%		-												
Harry Maine		15.01.09	17.06.09	16			6%			- 1				_						_	5
		22.05.09	23.05.09	2			0%														1
🗉 🕒 Milly Smith		12.02.09	23.05.09	18			27%														ā
🔅 Design invitations	0	12.02.09	12.02.09	1	Milly Smith	~	100%														
🔅 🕒 Advertising campaign newspapers	2	19.02.09	21.02.09	3	Milly Smith		30%														
🔅 🔾 Website	2	19.02.09	21.02.09	2	Milly Smith		0%														
🌼 🕐 Catering & Services	2	19.02.09	21.02.09	1	Milly Smith		10%														
O Newsletter	2	19.02.09	22.02.09	2	Milly Smith		50%														
Invitations are printed and sent out		02.03.09			Milly Smith															$\diamond$	
🔅 🔵 Distribute photos to VIP	2	22.05.09	23.05.09	2	Milly Smith		0%														
🔅 🕒 Displays	2			3	Milly Smith		30%														
🌼 🕐 Information boards	2			1	Milly Smith		10%														
Osters	2			3	Milly Smith		30%														
Print Company		23.02.09	24.02.09	1			0%								E	_					

- 1 Click on the »Resources« tab at the top to display your project plan by resources.
- 2 Open and close the individual items using the plus and minus symbols.

#### Arrange the table view/resources

You configure the table in the Resources view as described in the section »Getting started with the Gantt editor« in this part of the manual in »Arrange the table view«.

#### Schedule activities per resource

In this view, you can change the scheduling of activities/resources: either in the left table view or by moving/changing the bar in the bar chart. The extent to which you can do this, however, is determined by the dependencies previously defined.

For a description on this, see the section »Scheduling in the Gantt editor«.



**Caution:** You cannot create any dependencies or new activities/milestones in this analysis view. To do this, return to the »Standard« view. You can, however, revise the information in the cells in the »Resources« view.

#### Check gaps when assigning persons responsible

Every activity or every milestone should be assigned to a task manager. To check that your scheduling is complete, MindPlan displays a »(no category)« table row.

	o tint	Durin		Dis data	Target		Dama	
	Subject	Prio	Start	Due date	duration	Resource	Done	%
	🅒 (no category)				3			30
	🔅 🕒 Displays	2			3			309
Ŧ	🕒 Daisy Hill		03.02.09	22.05.09	23			309
Ŧ	Funny Entertainment Ltd.		03.02.09	05.02.09	0			
Ŧ	🔵 George Snyder		03.02.09	23.05.09	3			0
Ŧ	🔵 Harry Maine		15.01.09	17.06.09	16			6
Ŧ	🔵 James Kline		22.05.09	23.05.09	2			0
	C Milly Smith		12.02.09	23.05.09	15			27
	🔅 Design invitations	0	12.02.09	12.02.09	1	Milly Smith	<ul> <li>Image: A second s</li></ul>	1009
	🍪 🕒 Advertising campaign newspapers	2	19.02.09	21.02.09	3	Milly Smith		309
	🔇 🔵 Website	2	19.02.09	21.02.09	2	Milly Smith		09

- 1 Open the list below by clicking on the plus symbol.
- 2 Double-click on the activity or milestone. The properties window of this node opens.
- 3 Enter a name in the »Resource« field on the »Activity« or »Milestone« tab.
- 4 Confirm with OK. The activity or milestone now appears below the name of the respective resource.

The dynamic analysis adjusts the display immediately to the changes made. Once all task managers have been named, the »(no category)« table row no longer appears.

## Check capacity of project members in the plan

## **Check capacity**

Click on the »Capacity« tab at the top to display an analysis of your plan that shows the capacity level of each resource.

A simple and clear color scheme indicates the phases in which a resource reaches critical capacity.

		1	Target	%	2009									
Subject	Subject Start Due date	Due date	duration		Feb 🚽 Mär									
🕽 🐧 Daisy Hill	03.02.09	14.05.09	23	43%	1009. 1009. 1009. 504									
Funny Entertainment Lt	. 17.02.09	17.02.09	O		1009 508									
🛛 🚺 George Snyder	03.02.09	23.05.09	3	67%	1009									
a 🔵 Harry Maine	15.01.09	17.06.09	15	7%	1008 1008 508 508									
James Kline	22.05.09	23.05.09	2	0%	1008 1008 508 508									
Milly Smith	12.02.09	23.05.09	18	27%	1009 1009 1009 509 509									
Dirint Company			6	0%	1009 1000 509 19.02.09 (CW 8)									

**Example:** In the capacity view it is clear that Milly Smith has been scheduled for more than 100 % of her capacity in CW 8.

## Check capacity causes in detail

Click on the small plus symbol in front of a name to open a detailed activity list:

Ξ	• Milly Smith	12.02.09	23.05.09	18	27%	100* 100* 50* 50*
	🔅 🗸 🚺 Design invitations	12.02.09	12.02.09	1	100%	-
	🌣 🔇 🧟 Advertising campaign newspapers	19.02.09	21.02.09	3	30%	
	🍪 🔵 🖉 Website	19.02.09	21.02.09	2	0%	
	🄅 🕐 2 Catering & Services	19.02.09	21.02.09	1	10%	-
	Olympical Control (1998)	19.02.09	22.02.09	2	50%	
	Olympical Control C	22.05.09	23.05.09	2	0%	

In this overview, you can see that one day's work has been planned in two activities on the same day for the resource Milly Smith. You can now shift the date of the activities or assign them to a colleague.

- 1 Double-click in the »Subject« column to open the activity.
- 2 In the properties window that opens, assign another resource on the »Activity« tab.
- 3 Confirm with OK.

Follow the same procedure to reduce the amount of work for the resource Milly Smith to 50 %, for example.

### Shift dates in the capacity display

You can also change activity dates in this view using the properties window of the node. However, if dependencies have been defined, conflicts may occur when dates are shifted.

It is therefore advisable to have a complete view of the plan. To reschedule dates, use the »Standard« tab at the top left and »Gantt« at the top right. You can switch between the views at any time.

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