Release Notes OGantt version 4.0.0

Bug Fixes

ID :	680	**Fixed in version :**	4.0.0
Short Description:	Ability to disable the gantt chart object		

Full Description: It is currently not possible to disable OGantt so a user can just view a chart. The standard property $enabled does not appear to do anything at the moment. When set to kFalse, non of the drag & drop should work, but expending/collapsing nodes and selecting phases or resources should continue to work.

Comments : We have fixed the $enabled property. When setting $enabled to kFalse, the user can no longer drag & drop phases or resources, but can continue to select phases and resources for viewing.

ID :	888	**Fixed in version :**	4.0.0
Short Description:	New feature mouse-wheel scroll doesn't work		

Full Description: The new feature scrolling the oGantt with the mouse-wheel doesn't work for me. I don't know where exactly it should work but I tried it in every part, where you can scroll vertically.

Comments : Reproduced on Vista and XP using Studio v5

ID :	893	**Fixed in version :**	4.0.0
Short Description:	Scroll wheel		

Full Description: In windows oGantt doesn't scroll using the scroll wheel. On Mac this seems to work as expected.

Comments : Reproduced

ID :	902	**Fixed in version :**	4.0.0
Short Description:	Mouse wheel not working		

Full Description: Mouse wheel not working in OGantt area

Comments :

ID :	926	**Fixed in version :**	4.0.0
Short Description:	Incorrectly formatted 'Order' column		

Full Description: It seems as if when I use $ggetmodlistresource to bring back the resource list, the Order field does indeed have a subtype of Float, as the text below shows.

If however $ggetdatalist(kGanttListResource) is used, Order has a number type, but the $objsubtype is an undefined type of 31.

When I check the Data subtypes of the Catalog, there is not a type 31. (Interestingly, there are 2 type 32's: kShortint and k0dpShortnum)

I am using $ggetdatalist(kGanttListResource) to get the current Order (perhaps $ggetmodlistresource will serve me just as well in this case) and the Order always returns a number with no more than 2 dp. Once we get to 0.01 it is stuck there and won't get any smaller.

So I think that the Order variable for $ggetdatalist(kGanttListResource) may be mis-defined as subtype 31.

Comments :

ID :	944	**Fixed in version :**	4.0.0

Short Description: Overlapping entries in OGantt

Full Description: Have this problem when there is an overlap of 2 entries in the GANTT chart, one (yellow) has duration of 1 week and another a (green) duration of 3 hours.
They are visibly correctly layered, but when i double click the green one i still get the reference to the yellow one.

Would it be possible to trap the one on top ?

Comments : This has been fixed.

IMPORTANT NOTE: The phase list when loaded from the DB must be sorted by Resource ID and Phase ID to ensure correct loading and behaviour. For example
Do dataPhases.$sort($ref.GPHA_GRES_ID,kFalse,$ref.GPHA_GPHA_ID)

ID :	1002	**Fixed in version :**	4.0.0

Short Description: Crash on passing in bad column number

Full Description: When I call
Do ioLayerObj.$tlgetdatalist(iTreeListColumns.ColNumber) Returns CompletionList

if iTreeListColumns.ColNumber doesn't exist (iTreeListColumns is empty or no row is selected or column number doesn't exist), it crashes Studio.

I had expected it to return an empty list, but passing in null or a column number that doesn't exist causes it to crash.

Comments :

ID :	1046	**Fixed in version :**	4.0.0

Short Description: Holiday list causes problems during load when directly applied to resources

Full Description: The calculation to skip holidays and non-working days isn't working right. eg I have a phase that is the day before the weekend and the day after the weekend. On the next load of the chart, it is extended for over 7 weeks.

The phases that don't overlap a weekend are correctly shown. If I don't use the holiday list, the phase above is correctly shown.

Comments : The issue was caused by changes that were made for the version 4 alpha release for groups of phases that cross holidays when individual holiday lists where applied directly to the resources.

ID :	1179	**Fixed in version :**	4.0.0
Short Description:	Issue saving Gantt chart with new phase		

Full Description: When saving new phase to object within example it fails to save correctly. Subsequent loading of the chart fails to display the new phases.

Comments : When loading the phases list, the list must be sorted in order of Resource ID for all phases to load correctly. This has always been a requirement of the OGantt component for efficiency reasons as larger lists would reduce performance of loading unsorted lists exponentially. However, this requirement was not clearly documented.

We have corrected this problem for version 4 GM but also maintained the efficiency of loading phases by changing the way phases are loaded and mapped to their resources.

Enhancements

ID :	655	**Implemented in version :**	4.0.0

Short Description: Unable to use $vscroll

Full Description: Is there a way to get (and set) the current vertical scroll bar position of the OGantt control? The standard $vscroll of omnis does not return an accurate value (does give some nice results when you change it).

I would like to be able to change the vertical scroll position. When I change the content of the GANTT it always resets the vertical scroll bar to the top and I want to move it back down to represent the location of the item the user had previously selected (if applicable).

Comments : OGantt now handles $vscroll and $hscroll appropriately.

$vscroll returns the first visible line starting from 1. Assigning $vscroll will change the first visible line effecting the scroll.

$hscroll as there is no real horizontal scroll range, $hscroll always returns zero. One can offset the current horizontal position by a negative or positive value. The value represents increments of the minor horizontal scale. So when the minor scale is days, assigning 10 to $hscroll will offset the horizontal position by +10 days.

ID :	663	**Implemented in version :**	4.0.0

Short Description: Vertically drag&drop phases

Full Description: You could do a "candrop" approach like Omnis where you expect a true/false depending on if the phase is allowed for the other resource, and a final evMoveToResource or something?

Comments : We have added a new property $gphasecandrop. If true, OGantt allows users to drag & drop a phase onto another resource.

The new event evGPhaseCanDrop(pPhaseID,pResourceID) will be send to the $event method. Discarding the event will prevent the dropping of the phase on the specified resource.

The event evGMove now has an additional parameter pResourceID, that specifies the actual resource on which the event was dropped

ID :	676	**Implemented in version :**	4.0.0

Short Description: Context menu for Root

Full Description: When the resources fill all the table section, opening the context menu on the root is very difficult. Can you leave a little bit of blank space to do this action more comfortably?

Comments : We have created extra white space at the end of the tree list/chart to make it easier to click in the white space.

ID :	681	**Implemented in version :**	4.0.0
Short Description:	A method to extract the marker list		

Full Description:	One thing that would help with printing would be if the marker list could be incorporated automatically or if there was an easy way to extract the marker list from the OGantt object on the window so that it could be assigned to the GanttPrint object via the $markerlist attribute of GanttPrint.
Comments :	The new method $getmarkerlist returns the list of markers

ID :	860	**Implemented in version :**	4.0.0
Short Description:	Move phase to other resource		

| **Full Description:** | I would like to be able to move a phase to another resource. I don't require connecting phases.

This is the situation:
We use OGantt for planning which employees in production work for which order. This planning is modified often and we want to be able to easily hand over a task from one employee to another. Now I have to do this outside OGantt. It would help a lot if you could just drag the phase over to accomplish that (from our enhancement request this has the highest priority). |
|---|---|
| **Comments :** | We have added a new property $gphasecandrop. If true, OGantt allows users to drag & drop a phase onto another resource.

The new event evGPhaseCanDrop(pPhaseID,pResourceID) will be send to the $event method. Discarding the event will prevent the dropping of the phase on the specified resource.

The event evGMove now has an additional parameter pResourceID, that specifies the actual resource on which the event was dropped |

ID :	861	**Implemented in version :**	4.0.0
Short Description:	Option to disable duration setting		

| **Full Description:** | Setting the duration isn't required for us and it can be confusing for the user. I would like to have the option to disable this functionality completely (so for the component, not per phase).

This is not a high priority for us. Only when it's an easy fix. |
|---|---|
| **Comments :** | The property $gnoduration, if set to kTrue, disables the resizing of phases in the chart. |

ID :	886	**Implemented in version :**	4.0.0
Short Description:	Date range for $GetBitmap		

| **Full Description:** | At the moment, the $GetBitmap function export entire Gantt.
It's possible make a change to export a portion of the chart, setting a period from Date1 to Date2? |
|---|---|
| **Comments :** | The $getbitmap method now has two parameters for specifying the date range. |

ID :	887	Implemented in version :	4.0.0

Short Description: New 2 and 6 hour scales

Full Description: I need to show GANTT chart at major scale DAY and minor scale HOUR.
At the moment in the chart has view all 24 hours.

It's possible make a change to group some hours, like the zoom of MS Project does?
A possible scale is by 6 hours, so we have only 4 column per day in chart.
Another scale is by 2 hours, so we have only 12 column per day in chart.

And, in second time, eventually with the major scale HOUR and minor MINUTE, group by 15 minutes, just like MS Project.

Comments : The following new scales have been added and can be used with the $gsetscale method.

kGanttScale15Minute
kGanttScale2Hour
kGanttScale6Hour

The new examples demonstrate their use.

ID :	889	Implemented in version :	4.0.0

Short Description: I need a new function to get the first date shown on the chart.

Full Description: I need a new function to get the first date shown at the chart.

At the moment, I set the first date to show in the chart using $GSetStartDate.
If user scroll chart I don't yet know the first date shown at chart.
I need a function, $GGetStartDate, that tell me just the first day shown at chart.

Comments : We have added the method $ggetstartdate()

ID :	930	Implemented in version :	4.0.0

Short Description: Enhancement: $ggetstartdate

Full Description: We can set the starting date with $gsetstartdate.

Please add the ability to read the current start date with $ggetstartdate, or something.

Comments : We have added the method $ggetstartdate()

ID :	935	Implemented in version :	4.0.0

Short Description: Can text and other objects be in front of the marker

Full Description: OGantt lets people add project markers that go across the entire day and they can be of any width.

Here is one I did that was 3 pixels and one that was 100 pixels. In smaller ones, you do not notice that the text is behind the line. On a larger project marker, it becomes clear that the text and other drawing elements are behind the project marker (the blue one) so all the detail disappears.

I'd like to submit an enhancement request to have the text and other graphical objects like the phase bar and group appear on top of the project marker.

Comments : The new property $markersbehind can be set to kTrue so that markers are painted behind phases and their text.

ID :	936	**Implemented in version :**	4.0
Short Description:	Double-click on project markers		

Full Description: Requesting ability to detect double-click on project markers so we can bring up a window to edit them.

Comments : We have enhanced both the evGDblClick and evGRClick events. Both these events will now be generated for clicks on relation lines, marker lines and white space.

The event parameters pResourceId, pPhaseId, pRelationId and pMarkerId will be set accordingly. The pMarkerId will be set to the line number of the marker list as it was supplied when loading the chart, when a marker has been clicked.

ID :	937	**Implemented in version :**	4.0
Short Description:	Allow tabbing when editing tree list cells		

Full Description: When changing data in the cells on the left side, we know that we currently have to hit 'enter' to accept the value.

Almost universally, people have asked 'why can't I hit tab' to tab between cells and quickly enter or change data. This, alone, would be a huge time saver. just accepting tab (and/or enter)

Comments : You can now use the tab keys and click outside the edit box to change the text of a cell. The only action that cancels the text entry is the escape key. You can now also use the edit menu while editing a cell.

Two new events have also been introduced and the current evTLTextChanged message has been changed.

The new message evTLTextEditStart is send when a cell is about to be edited. This message cannot be discarded.

The evTLTextChanged message is now only send if the text has actually been altered. Discarding this event will force the cursor to remain in the current cell.

The evTLTextEditEnd message is sent if the cursor is about to leave the cell and text has not been altered. Discarding this event will force the cursor to remain in the current cell.

ID :	938	**Implemented in version :**	4.0
Short Description:	Detecting background clicks to de-select a task		

Full Description: There are times when we really need to de-select the currently selected task. perhaps more to the point, we have context menus on the gantt chart. if I right click on a task (that is a line selected in the list), then I can give menu items that are valid for a task.

if I right click on the background, I'd like to give different context menu item

if I right click on a line connector, I'd like to do something yet again different.

Comments : We have introduced the following changes
- when left clicking on the background of the gantt chart, the event evGSelected is now called with pPhaseID set to zero and pResourceID set to the resource of the line that was clicked, or zero if space with no resource line was clicked.

- when left clicking the tree list below the last resource, the event evTLSelected is now called with pResourceID set to zero.

Additional Note:
when right clicking the white space of the gantt chart or tree list, OGantt has always called the events evGRClick and evTLClick with the pPhaseID and/or pResourceID set to zero, and pColumnNumber set to the number of the column that was clicked.

Additional Note:
Please see also Enhancement Request 936 for right-click and double-click enhancements.

ID :	939	**Implemented in version :**	4.0
Short Description:	Getting rid of dependencies.		

Full Description: I have a line between two tasks and in gantt charts I've used, clicking the line would highlight it. Then I could use the delete key, or right click->remove, or what have you to get rid of the dependency, or even edit it and change its type from 'beginning to end' to 'end to end' or what have you.

What I'd propose for this one is an event that is like

on evConnectorClick

with two parameters:
-- list line for task 1
-- list line for task 2

The assumption is that there can only be ONE dependency between two tasks. Thus if I know the first task's line number and the second tasks's line number, I will be able to find the dependency that need to be dealt with.

it means I can also implement my own pop-up menu that could have items like
-- remove dependency
-- change dependency to
----- end to end
----- start to start
----- end to start
etc.

Comments : We have made enhancements to the events evGRClick and evGDblClick events that will allow the detection of relation line clicks.

Please see comments for enhancement 936.

ID :	940	**Implemented in version :**	4.0.0
Short Description:	Ability to 'drop' onto the OGantt.		

Full Description: Our intention is to drop tasks from elsewhere to add them to the OGantt chart.

so, support for
on evDrop
with the typical drop values would also help.

we'll do the work deciding if the item should be accepted or not and where to place it.

Comments : The following new properties and constants have been implemented to aid the dropping of Omnis objects/data onto the OGantt component.

Properties:

$tlddcandrop: Flags specifying where we can drop in the tree list, one of the kGanttCanDrop... constants. If set to kGanttCanDropNowhere, dropping on the tree list is disabled.

$gddcandrop: Flags specifying where we can drop in the GANTT chart, one of the kGanttCanDrop... constants. If set to kGanttCanDropNowhere, dropping on the GANTT chart is disabled.

$ddwhere: Flags specifying where the drop occurred, one of the kGanttDrop... constants (read-only)

$ddresourceid: Resource ID of the line where the drop occurred in relation to $ddwhere (read-only)

$ddphaseid: Phase ID of the phase where the drop occurred when $ddwhere is kGanttDropPhase. May be zero. (read-only)

Constants for $tlddcandrop and $gddcandrop:
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kGanttCanDropBetweenRows: Can drop between rows

kGanttCanDropOnRow: Can drop on top of rows

kGanttCanDropOnPhase: Can drop on top of phases ($gddcandrop only)

Constants for $ddwhere:
----
kGanttDropBefore: Drop occurred before row specified by $ddresourceid (kGanttCanDropBetweenRows).

kGanttDropAfter: Drop occurred after row specified by $ddresourceid (kGanttCanDropBetweenRows).

kGanttDropTreeList: Drop occurred over tree list ($tlddcandrop)

kGanttDropGantt: Drop occurred over GANTT chart ($gddcandrop)

kGanttDropPhase: Drop occurred over a phase ($gddcandrop and kGanttCanDropOnPhase)

New events:

The standard Omnis evDrop event can be implemented to receive notifications of the drop. When a evDrop event is triggered, the properties $ddwhere, $ddresourceid and $ddphaseid can be inspected for details about the drop.

ID :	964	Implemented in version :	4.0.0
Short Description:	Disable relations		

Full Description:	It would be nice to be able to disable relations in the Gantt chart. Right now, I can discard the evGAddRel event, but a little line still appears when the users drags. It would be nice to just make it so that line doesn't appear.
Comments :	We have added a new property $gnorelations. If true, while dragging a phase, the setting of relationships between phases is disabled.

ID :	976	Implemented in version :	4.0.0

Short Description: Ability to change week start

Full Description: Is it possible to start a week on Monday instead of Sunday.

Comments : The method $gsetscale can now specify the week start date in parameter seven.

Syntax:
$gsetscale(MajorScale,MinorScale,MajorDateFormat,MinorDateFormat,MinorColWidth,SnapWidth, WeekStart)

Example:
$gsetscale(kGanttScaleWeek,kGanttScaleDay,"D m 'Y (~)","V",30,#NULL,kMonday)

ID :	977	Implemented in version :	4.0.0

Short Description: isoweek number incorrect

Full Description: The week numbers in the calendar don't seem to be correct.

Comments : The week number shown is the standard week number as returned by the Omnis jst() function. Unfortunately the jst() function does not support the ISO week numbers. We have therefore added a special character which will insert the iso week number after evaluating the standard date formatting using the jst() function.

If you add the '~' character to the scale date format via $gsetscale, OGantt will insert the ISO week number in its place.