Release Notes: VARCHART JGantt

Product	VARCHART JGantt
Version	3.1
Build	20160329.0840
Service Release	SR7
Editions	JavaBeans
Datum	13 April 2016

List of Enhancements

- New program **SamplesBrowser** allowing to navigate through all samples and to display API documentation and the necessary licensing information.
- Installing JGantt is now carried out by the **InstallShield** tool**.**
- The user buttons in the **NeDiagramControlPanel** can be customized regarding texts, fonts and size.

Product	VARCHART JGantt
Version	3.1
Build	20160112.1003
Service Release	SR6
Editions	JavaBeans
Datum	12 January 2016

List of Enhancements
- New JGantt property **InteractionGanttGraphMouseWheelScrolling** in analogy to **InteractionTableMouseWheelScrolling.**
- Signing JGantt with **SHA-256** and **TimeStamp**

List of fixed bugs
- Incorrect display of **MainTableColumns** in **PrintPreview** fixed.
- JGanttSynchronizerPanel:
    - Incorrect display of **DiagramView** fixed.
    - No incorrect display any more when Master und Slave are printed simultaneously.

Product	VARCHART JGantt
Version	3.1
Build	20150921.1007
Service Release	SR5
Editions	JavaBeans
Datum	24 September 2015

List of fixed bugs

- After clicking in a table row, **AntiAliasText** remains now.
- SVG export: JGantt accesses the latest **Batik library** (the customer has to download it by himself).
- Header and footer bug and a **NullPointerException** in the JGanttSynchronizerPanel were fixed.

Product	VARCHART JGantt
Version	3.1
Build	20150601.0857
Service Release	SR4
Editions	JavaBeans
Datum	3 June 2015

List of fixed bugs

- Several bugs in the new timescale were fixed.
- A bug in the feature **PrintSectionNodesOnly** in the Print Preview was fixed.
- A **NullPointer exception** in the table was fixed.

Product	VARCHART JGantt
Version	3.1
Build	20150310.1218
Service Release	SR3
Editions	JavaBeans
Datum	10 March 2015

List of Enhancements
- New JGantt-Property **TableSashOneTouchExpandable**.
- New JGIGanttgraph-Property **InfoWindowEndDateFormat**.

List of fixed bugs
- The grouping code in the info window now pixel-accurately matches the grouping code the bar gets after having been dropped.
- The heap-memory usage in the time scale was reduced.

Product	VARCHART JGantt
Version	3.1
Build	20141209.1314
Service Release	SR2
Editions	JavaBeans
Datum	9 December 2014

List of Enhancements

- No enhancements in this relase.

List of fixed bugs

- Incorrectly set link data at the node will now trigger meaningful Runtime Exceptions.
- The method **identifyLayouterGroup** in the JGanttSynchronizerPanel was corrected.

Product	VARCHART JGantt
Version	3.1
Build	2014.0917.0741
Service Release	SR1
Editions	JavaBeans
Datum	17 September 2014

List of Enhancements

- New JGantt property **InteractionSelectTopNodeOrLinkOnly**.
- The new **JGTimeScale** and **JGTimeScaleSection** property **DateFormats** lets you easily customize the date formats of the predefined ribbonstripes.

List of fixed bugs

- After enabling and disabling the histogram the horizontal scrollbar was missing.
- Intermittently occurring displacement of one pixel between layer border and layer background.
- User defined RuntimeExceptions are not catched any more.
- In some cases the horizontal lines in the print preview were too short

Product	VARCHART JGantt
Version	3.1
Build	2014.0604.0823
Service Release	SR1
Editions	JavaBeans
Datum	6 June 2014

List of Enhancements having been implemented since the last build of JGantt 3.0

- **Time Scale**
  - o The new property **AdvancedMouseInteractions** lets you
    - change the timescale's resolution by scrolling the mouse wheel
    - move the timescale by dragging
  - o The timescale can contain any number of sections and ribbons with any design, colors, fonts, and date formats, the colors and fonts being definable globally, section-wise or ribbon-wise.
  - o Ticks can come with or without annotations and can be scaled as desired.
  - o A predefined dynamic time scale is available, the annotation of which adjusting to the scale soloution dynamically.
  - o Relative time ribbons can be combined with absolute ribbons.
  - o Ribbons can display calendar profiles.
  - o It is possible now for the project's milestones to be displayed together with their annotations and date in the timescale, while at the same time the corresponding date lines are being shown.
  - o To time scale sections one or several vertical line grids can now be set. For this, two new properties have been implemented to the **JGantt** class: **VertLineGridsEx** and **SectionVertLineGridsEx**.

- The **GlassProfile** allows highlighting certain areas of the Gantt graph, irrespective of the working time calendar. Setting certain alpha values of **AlternateTextColor** in the **GanttColorScheme** lets these areas appear as being under colored glass.
- The button labeling in the **NeEntityEditorDialog** was improved.
- Particularly in histograms, tooltips for instance could destroy fill patterns. To solve this problem, new fill patterns have been implemented by a list named **NeIDrawingConstants.-TEXTUREPAINT_ PATTERN_***. It provides the patterns of the former list **NeIDrawing-Constants.FILLPATTERN_***.
- The new **JGIGanttGraph** property **NodeDrawingPriorityComparator** now allows setting the drawing priority of the nodes in a group row, if the group layout was set to **GROUP_ROW-LAYOUT_SINGLE**.
- If the line color of a horizontal grid line was set to be a dynamic color, to each group an individual grouping line can be assigned that allows for a color, a line thickness or a line type of its own.
- The new abstract classes **NeDynamicLabel** and **NeDynamicPicture** now allow a very easy creation of dynamic NeAnnotation, NeSymbol and NePicture objects.
- A new property **DateLinesInFrontOfNodesAndLinks** has been added to the GanttGraph. When set to true, date lines are drawn on top of nodes and links; when set to false, date lines can be hidden by nodes and links.

- The new GanttGraph property **VerticalNodeAlignmentInsideRow** allows to define in which way nodes should be vertically aligned within a row of the GanttGraph in case the row has a larger height than is required by the nodes. By using the property values
    VERTICAL_NODE_ALIGNMENT_BOTTOM_OF_ROW
    VERTICAL_NODE_ALIGNMENT_CENTER_OF_ROW
    VERTICAL_NODE_ALIGNMENT_TOP_OF_ROW
 you can align the nodes at the top, the center or the bottom of the of the row.
- The new JGantt method **identifyLayers** allows to identify single layers or layer definitions at the mouse position.
- The property **ExcludedFromMarking** of the **NeILayerDefinition** object is now also considered when nodes are marked. A layer with this property set will not cause the node to be marked when clicked.
- A new button Cancel Create has been implemented to the **NeEntityEditor** that pops up after a node was created. The still existing **Cancel** button will merely cancel the editing process, but will not delete the node just created.
- The new properties **InfoWindowShowStartEndAndDuration** and **InfoWindowDurationUnit** in the interface **JGIGanttGraph** allow to display the start, the end and the duration of a layer or node simultaneously in the InfoWindow.
- If the JGIGanttGraph property **InfoWindowShowGroupCode** was set, the default text "Group" can now be modified by the property **InfoWindowTexts**.
- Editors can now be defined in the VARCHART JGantt table by the property **ExternalEditor** of the interface **NeIFieldDefinition**
- **NeObjectChangeEvents** now are also launched after nodes or links were modified by the **EntityEditor** dialog.

List of bugs having been fixed after the last build of JGantt 3.0

- The calendar didn't work anymore from January 2038 onward.

- **StringFlavor** in the **Drag&Drop** mode: From now on, "NeIEntity: " + getID()" will be displayed

- Right-click on the JGantt control during in-place editing could induce errors.

- A memory-leak occurring after repeatedly opening or closing a Java component containing a JGantt was removed.

- Up to version 1.6 of the Java runtime environment (JRE), as the default sorting algorithm the **MergeSort** algorithm was used. From JRE 1.7 onward, Java uses the **TimSort** algorithm instead. Problems occurring in VARCHART JGantt - for instance with group sorting - have been eliminated.