

## Release name: KNOWAGE 7.2

From the previous version 7.1 the following changes have been made:

### New options on Cockpits

- Knowage has a new "calculated field" interface
- The user can create a "calculated field" on Chart and Map widgets
- The user can add a "calculated field" in the Table/Chart/Map widgets that use SolR data set
- The user can add filter in SolR data set
- **SolR data set** can be used with the following widgets: Table, Chart, Selector, Crosstab, Html, Text, Map
- The user can add a filter on a SolR data set and use profile attributes (single and multi-value)
- The user can create variables inside the cockpit, using them to define the gauge targets, bands and lines on all chart types. Variables can also be used inside the "calculated field" formula.
- In the Table widget:
  - SolR multi value attributes can be shown
  - columns can be grouped
  - cells with the same value can be joined
  - is now possible to set up vertical alignment in the column style tab
  - the user can change the header names and hide the columns using variables
  - the user can hide the columns header's
  - the user can use the columns sum value within the formula in the "calculated field"
  - the LINK option has been added
- The **Custom Chart**: this new widget allows to create charts using native library directly
- The **Python/R Widget**: this new widget allows to show chart or data provided by Python/R script
- In the Map widget:
  - the Open Layer version has been updated
  - the filters on data set columns have been added
  - showing the scale in the map is now possible
  - the user can scale the default marker
  - the user can change the zoom factor
  - Knowage can read CLOB on Oracle to show markers and polygons

- aggregating information from data set is now possible
- In the Crosstab widget:
  - changes in the design wizard in order to improve the usability
  - changes in the summary function on rows and columns
- In the Text widget: using the variables to show calculated values is now possible
- In the Chart widget: a new Bubble chart is available
- In the Discovery widget:
  - the cross navigation option has been added
  - the user can set up if the facet must be showed opened or closed during the start-up

## General Improvements

- The user can create Python/R Data Set
- Adding some icons to the end user menu is now possible
- The document export/import functionality has been refactored to better manage the exported documents
- The menu export/import functionality has been refactored adding the role mapping
- The correlation definition form between drivers has been redesigned
- Cross Navigation: a new option to open the target document in a pop-up window is now available
- **AWS RED/RedShift certification:** the user can create data set and cockpit using these data sources
- OLAP: graphical revision to improve usability and look&feel
- QBE: graphical revision to improve usability and look&feel, The Administrator can choose how open QBE, smart/adv view
- Registry: graphical revision to improve usability and look&feel
- Login through Google account is now available
- Various security assessments

Please visit [www.knowage-suite.com](http://www.knowage-suite.com) for further information.