

DP/Spatial Base Platform Release Notes 4.4

New Features and Enhancements

- It is now possible to use Oracle 11 with DP/Spatial.
- The xml importer now reads files streaming and is thus faster and requires less memory (especially noticeable when importing large files). [8526]
- The xml importer now handles code lists without the column CODETEXT. [9286]
- The symbol editor now handles symbols composed of illegal Oracle geometries better. [10753]
- Ctrl-J is now mapped as the keyboard shortcut to the function *Save frame settings*, in the *Settings* menu. [11622]
- Exporting query results to file is now done in a more efficient way (stored directly to file instead of send to the browser). This means that large results, that previously caused an *OutOfMemoryException*, can be stored. It is also possible to save results from searches (under the *Search* tab) to file. [12298]
- It is now possible to store background maps as graphics files instead of storing the geometries in Oracle. [12346]
- Individual drawing attributes are now remembered within the session, e g after choosing a certain color and line style for a construction graphics line (with individual drawing attributes) this will be the default until changed. [12411]
- Undo handling of copy and paste is now faster. [12709]
- It is now possible to create extra columns holding transformed coordinate values in the query tool. [12804]
- It is now possible to place several consecutive rectangles to plot with the *Free Plot* function. The preview dialog displays one tab per rectangle. [13007]
- When loading a DGN v8 file a dialog tells the user that v8 format is unsupported. [13206]
- The default search path to linked documents, and rules for how an operator can browse for such documents, can now be defined in customer/site specific files which will not be affected during upgrades. [13263]
- Rotation of symbols and texts now use the sticky mode by default. [13478]
- The DXF importer can now create polygons, if the component type the graphics is imported into is tagged as GRAPHICS_POLYGON in the metadata. [13482]
- The WMS server can now deliver data in Sweref99. [13591]
- The execute button in the search tab is now labeled *Search* (previously *Run*). [13643]
- The list of coordinate systems, in various dialogs where it is possible to select coordinate system, is now sorted in alphabetical order. [13649]
- DGN files are now read directly on the client using the DP/Spatial reader (instead of using Kartago on the server). This means that progress is reported and the reading should be faster. [13807]
- It is now possible to define global bookmarks using floating point values instead of just integers. This is a requirement for bookmarks defined in WGS84. [13808]
- It is now possible to use Shape files as source files for background map files. [13854]

- Double click on a leaf query in the Query Tool will now run the query. [13912]
- Images generated by the WMS service now use antialiasing by default, resulting in nicer, but slightly larger images. [13986]
- It is now possible to load Shape files as reference files. [14077]
- The image generator, StaticMap, has been completely rewritten to scale better, be faster and use less memory. [14186]
- DP/Spatial can now export geometric data to various formats by using FME (requires an FME installation on the server). Currently supported formats: shape, dwg, dxf, mif, dgn. [14188]
- Component types marked as POLYGON or LINE are now verified to be of that geometry type when the components are created. [14313]
- It is now possible to create several different components from one source component when using the GML importer. [14333]
- It is now possible to search for locations using the www.geonames.org web services; this can be found in the search tab under *External Services*. [14464]
- Most DP/Spatial applications now use small icons in menus. [14589]
- It is now possible to import DGN background maps directly to a DP/Spatial database, without using xml files and the general xml importer. [14595]
- The default snap mode is now *Break point, symbol placement point*. [14696]
- It is now possible to specify the start view coordinate system in the application configuration. [14783]
- The construction commands in the geodesy dialogue have been complemented with inverse functions, i.e. it is now possible to receive distances and angles from a given points in the map. This is done by choosing *Place in map* instead of *Measure* in the dialogue. [14845]
- DP/Spatial now uses a more memory efficient r-tree for client and server side geometry caches. [14938]
- The panel for individual drawing attributes now include symbol font and symbol id for symbol components, i.e. it is now possible for the operator to select which symbol to use. [14952]

Corrections

- There was a problem in the code list manager that, e.g. when changing more than one row without saving in between, caused changes not to be saved. This has been corrected. [6978],[13674]
- When using the *Split over pages* option (Free plot), coordinate crosses are now shown on all pages if *Show all* is selected. [10822]
- When loading reference files in the current view the reference file data did not show until a pan/zoom was done. Now the reference file shows directly. [11748]
- When selecting "check-box-commands", such as Show Change set only, from command history (F3), the check boxes in the menu were not updated to reflect current status, this has been corrected. [12247]
- It is now possible to move components in the free plot again. [12758]
- Object tooltips in the map do not cause excessive CPU load anymore. [12815]
- Show only selected/work set/... now correctly loads graphics when the function is un-activated. [13464]

- Extra loaders like WMS or reference files could sometimes cause exceptions during attach/remove. [13619]
- The new setting for complimentary colors (renders reference files in the background's complimentary color), which came in release 4.2, now also handles primary and secondary colors for shapes correctly. [13715]
- It is now possible to select the value *Undefined* for long code lists. [13724]
- It is now possible to place texts with individual attributes that has undefined text style. [13805]
- If creating a user defined query in the query tool and trying to choose a name which was already used an error message was displayed which, in some cases, couldn't be removed. This has been corrected. [13846]
- Focus is now in the password field after entering an incorrect password (and the error message has been displayed). [13895]
- DXF or DGN reference files, stored in Sweref99 coordinate system, were not transformed correctly, this has been corrected. [14095,14292]
- Geometry clipping of complex polygon now works correctly. [14123]
- Auto syncing of optimistic worksites could throw exceptions when new components were added to a deleted object and the new component caused triggers or hooks to run. [14291]
- The status text from "Fit view to selected" is now correct. [14322]
- Zoom in and zoom out now uses the same scale factors. [14323]
- It is now possible to start the product attribute manager even if no products exist in the database. [14330]
- It is now possible to load DGN files that contain circles or arcs with a radius of zero. [14411]
- Loading of a reference file that had been unloaded did sometimes cause the file to not be loaded. [14488]
- Adding a copied component to an object now converts the new component to the correct dimensionality. [14529]
- When a red search cross was displayed in a window which was exported to DXF the export failed, this has been corrected. [14636]
- It is now possible to define clusters from pessimistic worksites. [14763]
- The include tag in the frm file schema has been updated to support everything the code supports. [14803]
- The search result marker (normally a red cross) is now shown on the correct location also when different coordinate systems are used in the active view and in the search data. [14876]
- The "Import DXF" window now opens in the same screen as the main application window. [14927]
- The "Show Geometry" window now opens in the same screen as the main application window. [14931]
- The "Geometry info" window now opens in the same screen as the main application window. [14934]
- Post work set does not try to look up object relations in non-existing tables anymore. [14941]
- There was a problem when converting optimistic change sets to pessimistic if the change set contained a set of connected objects which had been deleted in another change set. This has been corrected. [14989]
- The dialog for WMS services can now be minimized. [15036]

- If a linear object with text components was split with the *Split line* function sometimes the text components ended up belonging to the wrong resulting line, this has been corrected. [15097]
- The drawing attributes administration tool now also handles transparency correctly for alternative drawing attributes. [15101]

Configuration options/system management tools

- Error logs and stack traces are now stored in the database making it easier to find information about, and following up, occurring errors. [11632]
- It is now possible to use the current year as a default value when placing new objects. This has been implemented in Facilplus Spatial/E. [13824]
- It is now possible to import and export code lists, making it easier to customers to share code lists. [13913]
- It is now possible to filter displayed component types (by entering a filter text) when adding a component to a product class in the product editor. This makes it easier to find the required component type and has made the Selection tab superfluous why it has been removed. [13914],[13935]
- It is now possible to set display_flags based on more than two columns. [14090]
- It is now possible to get data from parent linked components in triggered texts. [14111]