

# AgileAssets Version 7.0



## What's New?

### Table of content:

	Number of Cases	Click
MMS/FMS: PL - Planning	3	<a href="#">Here</a>
PMS: AI - Asset Inventory	1	<a href="#">Here</a>
PMS: AP - Asset Performance	6	<a href="#">Here</a>
PMS: PL - Planning	1	<a href="#">Here</a>
SYS: Analytics	3	<a href="#">Here</a>
SYS: GIS	3	<a href="#">Here</a>
SYS: General	22	<a href="#">Here</a>
SYS: LR - Linear Referencing	3	<a href="#">Here</a>
SYS: Mobile Compatibility	2	<a href="#">Here</a>
SYS: Reporting	17	<a href="#">Here</a>
SYS: UI/UX	12	<a href="#">Here</a>
Total	73	

Note: these Releases Notes for version 7.0 were obtained from the Fogbugz repository itself. Items indicated as "What's New" and having the tag "R7" are contained hereby. If new features are missing, please let productmanagement@agileassets.com know.

Item #	Title	Fogbugz #	Release Notes / Longer Description
<b>Area: MMS/FMS: PL - Planning</b>			<a href="#">Back to Top</a>
Parent Case: #14778 - Description: Modify "Fill QG Labor and Materials Costs" system job [PARENT]			
1.1	Update EQUIPMENT_COST (unit costs at the detail level)	<a href="#">15469</a>	This is for the equipment_costs calculation for the system job "Fill QG Labor and material costs". See case 14778.
1.2	Update CONTRACTOR_COST in the QG Total Unit Cost along with LEM	<a href="#">15470</a>	This is for the contractor_costs calculation for the system job "Fill QG Labor and material costs". See case 14778.
1.3	Update any one of QG Labor, Equipment or Material Detail and summary level Units Costs individually	<a href="#">15471</a>	Added checkbox arguments for users to select whether they want any of the calculated columns to be updated or not. All existing jobs are set to update all.
<b>Area: PMS: AI - Asset Inventory</b>			<a href="#">Back to Top</a>
Parent Case: #9938 - Description: Improve UI/UX			
2.1	Project Delineation in Pavement Graph	<a href="#">10223</a>	Pavement Analyst: In the Pavement Structure Graph, a small yellow line was added between the vertical layers so that different project using the same material could be distinguished.
<b>Area: PMS: AP - Asset Performance</b>			<a href="#">Back to Top</a>
Parent Case: #4803 - Description: PMS Section Performance Window General Improvements			

Item #	Title	Fogbugz #	Release Notes / Longer Description
3.1	PMS Section Performance Window: Make the graph show actual year rather than AGE	<a href="#">9115</a>	The PMS Section Performance window now shows years along the X-axis rather than pavement age.
3.2	PMS Section Performance Window: Show all performance history on the graph not just data points since last rehab	<a href="#">9121</a>	Formerly, the PMS Section Performance window only showed performance data since the last rehab. It now shows all collected data.
3.3	PMS Section Performance Window: Make the title of the graph dynamic	<a href="#">12505</a>	Title of the graph is now shown dynamically like the title in the graph down the road windows.
3.4	PMS Section Performance Window: Allow graph labels to be translated	<a href="#">12506</a>	Following Text Resources are used in PMS Section Performance graph: 1705 'Current Data' 1094 'Data' 1707 'Old Data' 1708 'Model' 1456 'Prediction'
3.5	PMS Section Performance Window: Show performance data for the year clicked on the graph	<a href="#">12679</a>	When user clicks on "Data" or "Old Data" points on the graph, data from PERFORMANCE _MASTER table for the selected section (from top datawindow) and year (from the graph's X axis) is shown in a popup window.
3.6	PMS Section Performance Window: Show selected section on map	<a href="#">12687</a>	When user clicks on a section, it is shown on the map pane.

### Area: PMS: PL - Planning

[Back to Top](#)

4.1	Analysis: Enhance reporting tools in PMS analysis	<a href="#">14735</a>	<p>To reduce the amount of data stored in the database, Graph Reports functionality was developed. The idea behind it is very simple: compute and store specific graph data every year when running a scenario, instead of doing it later using saved detailed results.</p> <p>Changes to the Interface include:</p> <ol style="list-style-type: none"> <li>1. New setup window, "Setup Graphs for Summary Reports";</li> <li>2. New tab, "Summary Reports: in PMS Optimization (Optimization Analysis) window with 4 panes: Summary Plots, Selected Scenarios, Graph Data and a pane for displaying the graph</li> </ol> <p>This enhancement is not part of the normal upgrade and should be requested to your account manager.</p>
-----	---	-----------------------	--

### Area: SYS: Analytics

[Back to Top](#)

5.1	Optimization analysis: Ability to run on linear combination of objectives (multi-objective analysis)	<a href="#">12513</a>	<p>Added ability to run optimization analysis on linear combination of several objectives with coefficients. A new Coefficient column was added to the first tab of the Constraint data window - default value will be 1.</p> <p>The problem will be to maximize (so coefficients for cost have to be negative) the linear combination of the objectives given. Set coefficients are relative. Real values are adjusted proportionally to the objective values. So if user wants to have one objective as an index value (0 - 100 scale) and another as cost (hundreds of thousands) he puts coefficients according to the importance of the objectives: 1 for index, -2 for cost means that cost component is twice more important. Inside cost coefficient will be reduced to reflect the relative difference in index and cost numeric values.</p>
-----	--	-----------------------	---

Item #	Title	Fogbugz #	Release Notes / Longer Description
5.2	Optimization Analysis: Allow Multiyear analysis to be ran with MWP	<u>12973</u>	<p>Developed new Multi-year with MWP analysis type. It enhances Multi-Year analysis by allowing the use of master work plans.</p> <p>This allows the user to run multiyear optimization analysis without preliminary calculations of strategy attributes. It will be a slower than usual multiyear optimization, but is the only option when the user wants to take into account existing projects from Master Work Program.</p> <p>Changes to interface include:</p> <ol style="list-style-type: none"> <li>1. New setup window for definition of strategy type;</li> <li>2. New column (type) in strategy definition window);</li> <li>3. New column in scenario data window where user identifies selected strategy type for multiyear with work plan analysis type.</li> </ol>
5.3	multi year analysis improvements	<u>15086</u>	<p>1. The portion of the code that translates pre-calculated strategy attributes into an .mps file was simplified and generalized.</p> <p>2. In order to satisfy the requirement for saving detailed results, a new way of calculating report functions was introduced. In essence, we first run analysis to obtain solutions and then run it again - it's like running analysis type "estimate" that just deteriorates / improves / calculates columns / calculates report functions / saves results)</p>

## Area: SYS: General

[Back to Top](#)

6.1	Color Picker Dialog Improvements	<u>2673</u>	<p>Implemented a new color chooser dialog whenever the user is able to choose a new color. Some places where the dialog appears are:</p> <ul style="list-style-type: none"> <li>Graph Color Schemes</li> <li>Data from Map</li> <li>Material Codes</li> <li>Construction History (Material Codes pane)</li> <li>Pavement Structure Profile/Graph</li> <li>Setup Graph Report (Graph Properties popup from Graph tab)</li> </ul>
-----	----------------------------------	-------------	---

Item #	Title	Fogbugz #	Release Notes / Longer Description
6.2	Add ability to create and display custom help for a window based on user entered window and object labels and descriptions	<u>8729</u>	<p>Added ability to create and display custom help for a window based on user entered window and object labels and descriptions.</p> <p>In order to switch on Custom Help for a window, go to Control Properties, select the main Window object in the objects pane and check the check box to enable custom help in the Window Properties tab.</p> <p>The effect of enabling custom help for a window is to add a tab called 'Contextual Help' to the main online Help window that is displayed when the user clicks the Help icon. This window is arranged with a tree view navigation pane on the left giving all objects in the window and then for each data pane, giving both the right click actions and the columns for the pane. On selecting an object on the left, the main right hand pane selects and scrolls to the relevant portion of the help. This contextual help is displayed as an html block relevant to the object as a whole, followed by tables of actions/columns giving the action/column label, and a description. For columns, there is also an indication of whether the column is required or not.</p> <p>The information displayed in the contextual help tables is contextual in that it displays the metadata for the actions and columns as set up for these actions and columns in the Control Properties dialog.</p> <p>In addition, the html block at the head of each section for the object as a whole, can be edited by right clicking and choosing 'Edit Custom Help' (or by double clicking on the Custom Help field in the Control Properties popup window). Once in the html editor, images, url's etc. can be added to the contextual help.</p>
6.3	Enhancement: new system job executable that can take a Table with geometries as input, and output an aggregated shapefile	<u>13212</u>	<p>Enhancement: a new system job executable has been created. This executable can take a Table with geometries as input, and output an aggregated shapefile.</p> <p>The name of the executable is:  <code>"com.agileassetsinc.job.GisImportRemoteTableIntoShapeFile"</code></p>
6.4	Groovy Script Logger	<u>13898</u>	<p>Ability to log execution of groovy scripts. While it is not possible to debug GS it is possible to log their execution. The logging can be enabled via properties file or via system parameters window. I have added [GROOVY_SCRIPT_LOG_LEVEL_ID] column to [SYSTEM_ADM] table. If script level is changed via system properties it will be automatically shutdown in 5 minus (hardcoded interval).</p> <p>For the beginning I have created 3 levels of logging:</p> <p>OFF -- logging is disabled  ERROR -- log only errors during execution of a script  INFO -- ERROR level + log script ID, TypeId, Name and parameters before execution of each script. Output in form of [RUN/COMPILE/UPDATE][ScriptId][TypeId][Name]{arguments}</p>

Item #	Title	Fogbugz #	Release Notes / Longer Description
6.5	New system job to export data from a database table to a file for interfaces	<u>14010</u>	<p>Created a system job which accepts a SQL query to retrieve data, and then writes the resulting rows out to a known file system with the specified file name. An additional date/time stamp can be injected into the file name as a suffix, and is defined using the Joda time format as described here:</p> <p><a href="http://joda-time.sourceforge.net/apidocs/org/joda/time/format/DateTimeF">http://joda-time.sourceforge.net/apidocs/org/joda/time/format/DateTimeF</a></p>
6.6	MultiForm Window: Support TreeView object	<u>14779</u>	<p>The Multi-form windows can now have TreeView objects that can be acted on or interacted with.</p> <p>TreeViews can now be root objects, so when selecting a node it can drive a child object in a multi-object window. The treeviews can also be child objects and get retrieved every time a value changes in a parent object.</p> <p>The setup for the MultiForm windows HAS NOT changed due to this enhancement. All objects should be defined in WEB_WINDOWS_OBJECTS.</p> <p>As a reminder, the key columns in a tree view are the following:  CAN_BE_SELECTED  DESCR  ITEM_ID  ORDER_ID  PARENT_ID  SELECTED</p> <p>they can be filled by SELECT statements in the WEB_WINDOWS_COLUMNS</p>
Parent Case: #1480 - Description: Add ability to to record and manage sql Configuration scripts			
6.7	Add Config Script capture capability to rc 'Make Window' in tables and views windows	<u>9582</u>	Added Config Script capture capability to rc 'Make Window' in tables and views windows.

Item #	Title	Fogbugz #	Release Notes / Longer Description
6.8	System: Enhancement to the copy window functionality - ability to create a script that includes DDL and DML	<a href="#">12209</a>	<p>Enhanced copy window to automatically discover and write DDL (CREATE) statements for all dependencies for:</p> <ul style="list-style-type: none"> <li>- stored procedures listed in the WEB_WINDOWS_OBJECTS.DATA_SOURCE column</li> <li>- tables/views listed in the WEB_WINDOWS_OBJECTS.UPDATE_TABLE column</li> <li>- any necessary functions used by said procedures or views</li> </ul> <p>NOTE: Copy Window functionality can be used by AgileAssets employees only.</p> <p>Limitations of dependency discovery:</p> <ul style="list-style-type: none"> <li>- Dependencies include tables, views, functions, and procedures.</li> <li>- Only works on Oracle 11g and higher</li> <li>- Can only discover dependencies that exist in the same schema (cannot follow DB links, etc.)</li> <li>- Does not perform any dependency discovery for direct SQL SELECT statements written in the WEB_WINDOWS_OBJECTS.DATA_SOURCE column.</li> <li>- Does not perform any dependency discovery for other columns containing SQL statements such as WEB_WINDOWS_OBJECTS.WHERE_CLAUSE, WEB_WINDOWS_COLUMN.SELECT_STR, or WEB_WINDOWS_COLUMN.CHANGE_DDDW.</li> </ul> <p>All requests to obtain a script in this window now run as a thread with informational messages as it progresses.Â The wait window should not be closed manually until the process has finished.Â If the script output completes successfully then the system will automatically close the window.Â If it finishes with any warnings or errors then the window may remain open to display the messages to the user.</p>
6.9	Add WINDOW_ID column to SYSTEM_CONFIG_SCRIPT table and record the source window	<a href="#">12637</a>	Added ability to log the WINDOW_ID and PARENT_WINDOW_ID (if one exists) when changes are made to a window with config script recording enabled.
Parent Case: #9938 - Description: Improve UI/UX			
6.10	Make the 10,000 record error for a drop down indicate which column	<a href="#">13509</a>	<p>Warning message for number of rows retrieved now includes object ID or column ID of the caller.</p> <p>Note: The enhancement does not cover Groovy and Java Scripts by design.</p>
Parent Case: #10465 - Description: API Development			
6.11	Enhancement: Develop the AgileAssets API [Parent]	<a href="#">11280</a>	See detailed documentation provided in parallel.
Parent Case: #12296 - Description: Improve metadata synchronization in Tables/Views windows [SPIKE]			

Item #	Title	Fogbugz #	Release Notes / Longer Description
6.12	Improve metadata synchronization in Tables/Views windows	<u>15213</u>	<p>the column definition can now be specified rather than always using the definition from setup_column_id. 3 columns were added to support this: DATA_TYPE, DATA_SIZE, DATA_SCALE.</p> <p>added right click "Refresh From Database". this will remove columns that are not in the table, but in the window. update column definitions in the window to what is defined for the table. add columns to the window that are defined in the database. it will also take care of any differences in primary keys and indexes(it deletes all and re-inserts what is defined for the table).</p> <p>when using right click "Apply Changes", now the column definition from the window is used rather than what is in setup_column_id. if no definition is given(all are null) then the column will default to the definition from setup_column_id.</p> <p>the basic approach has not changed. we still use buffer tables, so you can save changes and apply them later. what was really added was the ability to discard changes and reset back to how the table is defined in the database.</p>
Parent Case: #12557 - Description: Productize Maintenance Manager			

Item #	Title	Fogbugz #	Release Notes / Longer Description
6.13	Create executable to clean all child tables based on 'Table Name' and 'Where Clause' paramters	<u>12768</u>	<p>From Wiki402:</p> <p>Procedure DELETE_CHILD_RECORDS (using DELETE_CHILD_RECORDS_RECURSIVE) creates delete statements based on foreign key constraints recursively starting from the given table. All foreign keys without ON DELETE rule are used to create delete statements.</p> <p>Procedure parameters:</p> <p>table_name VARCHAR2: Table to delete from.</p> <p>where_clause VARCHAR2: Where clause for delete. Use "1=1" for deleting all.</p> <p>do_execute BOOLEAN DEFAULT FALSE: If TRUE, delete statements are executed; otherwise, they are just logged.</p> <p>include_set_null_constraints BOOLEAN DEFAULT TRUE: If TRUE, constraints with ON DELETE SET NULL rule will also be used in creating delete statement.</p> <p>include_cascade_constraints BOOLEAN DEFAULT FALSE: If TRUE, constraints with ON DELETE CASCADE rule will also be used in creating delete statement.</p> <p>For example:</p> <pre>BEGIN   DELETE_CHILD_RECORDS ('SETUP_OWNER',     'OWNER_ID=1317', TRUE); END;</pre> <p>Notes:</p> <p>The procedure does not commit.</p> <p>The procedure adds all delete statements to DBMS Output.</p> <p>The procedure does not disable triggers. Make sure triggers are disabled before running the procedure and are enabled afterwards. The reason it is not done by the procedure is that if the procedure fails or not finishes for any reason, triggers might remain disabled.</p> <p>If for a reason the process goes to an infinite recursive call (more than 10000), it is stopped by showing message 'Aborted. It is taking too long.'</p> <p>Depending on how tables are indexed, it might take a long time to finish.</p> <p>The procedures are not added to any schema. Add them to the schema you need and remember to drop them when not needed anymore.</p>
Parent Case: #13537 - Description: Set application's Locale in table SYSTEM_ADM [PARENT]			
6.14	Localization: Get currency symbol from application's Locale	<u>13610</u>	Currency symbol used to be configured in SYSTEM_ADM.CURRENCY_SYMBOL. Now it is determined based on application's Locale set in
Parent Case: #14009 - Description: wvOASIS - Inbound Interface Methods			
6.15	Enhancement: new system job to execute import configuration with another data source	<u>14739</u>	<p>Added new system job (RunImportConfigArchiveJob.java) with ability to execute a data import across multiple file systems and optional behavior to delete and/or archive the input files.</p> <p>The IMPORT_CONFIG_LOG_TABLE was expanded to include all options used during the import so that a historical trail of all import configurations can be viewed.</p>
Parent Case: #14722 - Description: Windows failing on opening: more comprehensive error message along with debuggin information is now provided			



Item #	Title	Fogbugz #	Release Notes / Longer Description
6.16	Windows failing on opening: more comprehensive error message along with debuggin information is now provided	<a href="#">14895</a>	Enhanced error messages written to the log file (and displayed to the user) when an errors occur while building a window in version 6.9 and up. The error will now identify exactly which object the error occurred on. Additionally, any request sent to the server which results in a server-side error will have the parameters of the request written to the log file.
Parent Case: #14736 - Description: SFTP connection is not supported in the File System Setup			
6.17	SFTP connection is not supported in the File System Setup	<a href="#">15631</a>	Added support for SFTP protocol to the Ftp File System type. Added optional remote port. Connection url format now is:  [protocol]://[host]:[port];[user];[pwd];[rootFolder];  where [protocol] is "ftp" or "sftp", [port] is optional, defaults to 22 for sftp, and 21 for ftp
Parent Case: #14807 - Description: Need a system job to end active sessions and disable non-administrative logins [PARENT]			
6.18	Create new security right for profiles that can lock/unlock the system	<a href="#">15410</a>	Created new "lock administrator" privilege for security profiles. If a user chooses a lock administrator profile at the login screen then the user will be allowed to login to the system when maintenance mode is enabled. This allows admins to clear the maintenance flag from the system parameters window instead of running SQL directly against the database.
6.19	Create a new table for system locks and a window to view/manage it	<a href="#">15411</a>	Created new SYSTEM_LOCKS table, with the System > Utilities > System Locks window for managing existing locks. Locks may be released from this window assuming that the user logged in with a security profile containing the appropriate lock administration privilege.
6.20	Create a system job to end active sessions and disable non-administrative logins	<a href="#">15412</a>	Created a system job that can acquire (and release) locks on the system. Acquiring a lock involves enabling maintenance mode which will only allow system administrators to use the system. Non-administrative logins are suppressed and attempts by users with existing sessions to execute any further actions will display an error message and redirect them back to the timeout page.
6.21	Modify SetSystemLockJob to properly populate SYSTEM_LOCKS table information	<a href="#">15413</a>	Enhanced SetSystemLockJob to rollback/ensure release of system locks if an error occurs during the system job. Additionally, the locks created during a system job are released when the job completes, even if the user did not explicitly define the calls to release the locks.
Parent Case: #15412 - Description: Create a system job to end active sessions and disable non-administrative logins			
6.22	Create a system job to end active sessions and disable non-administrative logins	<a href="#">15574</a>	Created a system job that can acquire (and release) locks on the system. Acquiring a lock involves enabling maintenance mode which will only allow system administrators to use the system. Non-administrative logins are suppressed and attempts by users with existing sessions to execute any further actions will display an error message and redirect them back to the timeout page.
<b>Area: SYS: GIS</b>			<a href="#">Back to Top</a>
Parent Case: #9337 - Description: GIS enhancements: Labels on Themes			

Item #	Title	Fogbugz #	Release Notes / Longer Description
7.1	GIS Symbology: 3 new labeling options: halo, position, and concatenation by expression	<u>9432</u>	<p>3 new labeling options when you RC Edit Layer Properties from the floating map pop-up &amp; go to the Labels tab</p> <ul style="list-style-type: none"> <li>Labels can now be expressions</li> <li>Haloing</li> <li>Label position is user definable</li> </ul> <p>For labeling by expression, it is possible to adjust a label right click "Edit" in the Label by Expression pane. A pop-up window appears. Select one or more columns. Then when labeling is activated for that layer, you'll see those columns separated by colons.</p> <p>There is also a dropdown for setting label position</p> <p>Haloing is also available around the label. It can be enabled and the size &amp; halo color set</p>

Parent Case: #14743 - Description: UI/UX GIS version 7.0

7.2	UI/UX GIS version 7.0: Modification of UI on Maps (any maps)	<u>15125</u>	<p>Map UI has been modified.</p> <p>All the 'toolbar' items have been moved into floating dividers found on the top left of the map. These buttons and drop down menus contain all the tools that were previously found in the toolbar located right above the map image.</p> <p>The layers sidebar has been removed. Two drop down menus have been added to the top right of maps to replace the layers sidebar. The 'layers' drop down contains the layers tree and rc options that were previously found in the layers sidebar. There are arrows to the right of every layer label that is clickable (you are able to click on any part of the label). Clicking the label or arrow will popup the right click menu to remove, add, edit, etc.... layers. This also makes the rc menu options available on the ipad (because you cannot rc on an ipad).</p> <p>A second drop down was added for base maps. A user is able to change a base map by simply clicking on a different base map. The active base map will be checked in the drop down, the name will display as the title of the drop down. There can only be ONE base map selected at a time.</p> <p>If there are no layers defined for a map. The default base map will be added (as defined in the System Parameters window), so the map is not blank when opening a window.</p> <p>Basemaps cannot be added (and do not appear) as layers.</p>
7.3	UI/UX GIS version 7.0: Manage Blank State of maps	<u>15126</u>	<p>User is now able to set a layer as base map in the "Manage GIS Layers" window (by checking the "Is Base Map" checkbox). The user has also the ability to define the default base map for the system by going to the System Parameters window and selecting one of the defined base map layers under "Default Base Map".</p>

## Area: SYS: LR - Linear Referencing

[Back to Top](#)

Parent Case: #10209 - Description: Finest Partition Report

8.1	Make finest partition reports detect whether an LRS is used	<u>10335</u>	Insert finest partition report menu is disabled if the system is not configured with an LRS.
-----	---	--------------	--

Item #	Title	Fogbugz #	Release Notes / Longer Description
Parent Case: #14201 - Description: Make Finest Partition Report generation a thread			
8.2	Make Finest Partition Report generation a thread	<a href="#">15373</a>	Enhanced finest partition report generation so that it can be sent to execute in the background, and a user will receive a notification when the process has finished. To prevent database locks a single USER_ID is prevented from running more than one generation concurrently.
Parent Case: #14387 - Description: Where Clause for LRSImportJob			
8.3	LRSImportJob: ability to add Where Clause as argument to the system job	<a href="#">14414</a>	Added ability to specify an optional where clause for the LRSImportJob. The where clause will filter route segments selected from LRS_BUFFER table when filling the NET_EXT_* tables.
<b>Area: SYS: Mobile Compatibility</b>			<a href="#">Back to Top</a>
Parent Case: #10517 - Description: iPad support for the main Web system.			
9.1	Make rc 'Edit Location by GPS' work on iPad	<a href="#">13556</a>	right clicks "set_from_by_gps" and "set_to_by_gps" can now use tablet gps position.
Parent Case: #13724 - Description: Add ability to attach Pictures from Camera Roll on iPad - Spike			
9.2	Add ability to attach Pictures from Camera Roll on iPad	<a href="#">15214</a>	A user can now attach pictures from the apple devices running iOS 6+. One limitation to this functionality is the limitation of one attachment per record only.
<b>Area: SYS: Reporting</b>			<a href="#">Back to Top</a>
10.1	Add a window that will allow an administrator to manage all reports	<a href="#">7301</a>	Added new window "Manage Reports" under "Reports" menu in the System module. In the previous versions, there was no single window to view and manage all reports owned by all users. In the new window, an admin user can: <ul style="list-style-type: none"> <li>- "Insert Directory" in user folders and their subfolders.</li> <li>- "Delete" directories under user folders, if they are empty.</li> <li>- "Delete" reports.</li> <li>- "Delete selected" reports.</li> <li>- Drag a directory under user folders and drop them in any user folder or subfolder.</li> <li>- Drag a report and drop in any user folder or subfolder.</li> <li>- "Make Report Public"</li> <li>- "Make Report Private"</li> </ul>
10.2	Add copy/cut/paste commands to the reports window	<a href="#">14933</a>	Removed the "Copy Report" action from the Reports window in all modules. This has been replaced with the more conventional cut, copy, and paste commands. A report can now easily be moved in the tree by using the cut and paste commands. Additionally, a full copy of a report can be made and pasted directly into the desired directory (instead of forcing the copy to go to the "My Reports" directory).
Parent Case: #9025 - Description: Dashboard Modifications			

Item #	Title	Fogbugz #	Release Notes / Longer Description
10.3	Added ability to edit dashboard reports	<u>5306</u>	<p>Added ability to edit dashboard reports.</p> <p>A new "Setup Report" right click command is available when clicking on a report on the dashboard that displays the normal report Setup window in which the user can edit the report.</p> <p>The right click is only available if the user has rights to edit the report (e.g. they own it) otherwise the command is greyed out.</p> <p>Note: The report that is available in the normal reports screen and the report on the Dashboard are the same entity so if it is edited in either place it will be changed in the other.</p>
10.4	Create separate Dashboard entities and allow different layouts other than just standard 4 pane version	<u>9270</u>	<p>A new object 'CDashboard' has been added that will dynamically generate the dashboard items. the dashboard items are now movable and resizable.</p> <p>To add a dashboard item you follow the same steps you did before, but now you do not select the position. the dashboard item will be added to a default location, then the user can reposition if they wish.</p> <p>The size and position of the dashboard items are saved in the user_web_windows_objects.STATE_XML. so if the user wishes to go back to the default layout for their dashboard, they can click the 'Reset user window settings' icon in the sidebar.</p>
Parent Case: #9026 - Description: Allow default dashboards per Security Role [PARENT]			
10.5	Store dashboards as entities	<u>15148</u>	<p>-Added new tables:  SETUP_DASHBOARD: List of dashboards.  SETUP_DASHBOARD_DET: Reports belonging to dashboards.  USER_DASHBOARD_HIERARCHY: Directories for organizing dashboards.  USER_DASHBOARD: Users' selected dashboards.</p> <p>-Moved data from table USER_MODULE_REPORT to tables SETUP_DASHBOARD, SETUP_DASHBOARD_DET, and USER_DASHBOARD:  All existing dashboards are moved to private dashboards with name "My Dashboard x", where x is the module id.</p> <p>-In "Reports" window:  Remove action "Add to Dashboard" (user will edit dashboards instead).</p>
10.6	Assign dashboards to security roles	<u>15195</u>	<p>In Reports &gt; Dashboards windows, user can right-click on a dashboard and choose "Assign Dashboard to Security Profiles" to open a popup with a datawindow showing list of security roles. It includes:</p> <ul style="list-style-type: none"> <li>-A checkbox column "Selected" to select 0 or more.</li> <li>-Read-only column "Assigned DASHBOARD" to indicate what dashboard, if any, the role already set to.</li> </ul> <p>Also, show a warning if overwriting an existing dashboard.</p>

Item #	Title	Fogbugz #	Release Notes / Longer Description
10.7	Change system job BuildDiReportsJob to build dashboard reports saved for each user	<a href="#"><u>15657</u></a>	The BLOBs for dashboard reports are saved per user in table SETUP_DASHBOARD_DET_USER. The system job BuildDiReportsJob builds dashboard reports for all combinations of dashboard items and users based on user-selected dahboards, security role dashboards, and shared dashboards.
10.8	Embed the "Security Violation" message inside a dashboard item instead of a popup error	<a href="#"><u>15732</u></a>	text_resource_id 1833 with following message is shown inside a dashboard item with error: "You either do not have access to this report, or there was an error building this report. Please contact your system administrator!"
Parent Case: #9329 - Description: Download Jasper report and all subreports in a single zip.			
10.9	Upload Jasper report and all subreports in a single zip.	<a href="#"><u>9384</u></a>	<p>Added capability to insert or update a Jasper report using a zip file. This complements a previous feature where Jasper reports that have subreports are downloaded as a single zip file.</p> <p>The files contained in the zip file may have any generic directory structure. If inserting a new report then the system will attempt to identify the main report automatically and assign that file's name as the name for the report. If updating an existing report, then the system will assume that the main report is found in a file that matches the report name exactly. In both cases the system will assume that the file names for the subreports should match the parameter names defined in the main report.</p> <p>If any files are missing or there are any unnecessary/unmappable files then the system inserts or updates the report to the best of its ability and a warning message is presented to the user.</p> <p>Uploads using a zip can be done either from the reports window or the pop-up window for Jasper subreports. Additionally, reports and subreports can still be updated individually by right-clicking on the desired file and uploading a single JRXML file. The functionality and behavior when uploading a single JRXML file remains unchanged from previous versions.</p>
Parent Case: #15193 - Description: Add window to manage dashboards [Sub-Parent]			
10.10	Show dashboards (owned, public, shared) in new Dashboards window	<a href="#"><u>15427</u></a>	New Dashboards window is added under Reports menu for each module. It shows dashboards (owned, public, shared) in a TreeView (folder structure) and a DataWindow.
10.11	Let user insert and delete dashboards	<a href="#"><u>15428</u></a>	In all Dashboards windows (Reports > Dashboards), user can insert and delete a dashboard.
10.12	Let user edit dashboards from Dashboards window	<a href="#"><u>15432</u></a>	In Reports > Dashboards windows, user can right-click on a dashboard and select "Edit Dashboard" to edit a dashboard. It works the same as the action on the dashboard window, without reloading the page. As in that window, user can always "Save as New", but only can "Save" if he is the owner of the dashboard.
10.13	Let user make a dashboard public or private	<a href="#"><u>15643</u></a>	In all Dashboards windows (Reports > Dashboards), user can make a dashboard owned by him public or private.
10.14	Let user share a dashboard	<a href="#"><u>15653</u></a>	In Reports > Dashboards windows, user can see shared dashboards. He can also right-click on a dashboard owned by him and choose "Share Dashboard" to open a popup to define sharing.

Item #	Title	Fogbugz #	Release Notes / Longer Description
10.15	Let user Insert & delete directories	<a href="#"><u>15654</u></a>	In Reports > Dashboards windows, user can insert and delete directories inside "My Dashboards" and "Public" directories.
10.16	Let user drag & drop dashboards and directories	<a href="#"><u>15655</u></a>	In Reports > Dashboards windows, user can drag and drop dashboards and directories under "My Dashboards" and "Public" directories.
10.17	Let user cut, copy, and paste dashboards and directories	<a href="#"><u>15656</u></a>	In all Dashboards windows (Reports > Dashboards), user can cut, copy, and paste dashboards and directories.

## Area: SYS: UI/UX

[Back to Top](#)

11.1	add button tray for objects with titlebar	<a href="#"><u>14546</u></a>	Menu items (right-clicks) can now be added to the titlebar as buttons. To add a menu item to the title bar, go to the Change Control Properties (Design Mode) pop-up window and click on the Menu tab. For the appropriate menu item, check the "Show on Toolbar" checkbox corresponding.
11.2	Version 7.0 Using the new "password" type column to mask sensitive parameters in the front end (and database)	<a href="#"><u>14737</u></a>	<p>In certain windows, the following columns type "Password" is used to mask sensitive information:</p> <ul style="list-style-type: none"> <li>- MAIL_PASSWORD (Window: System Parameters)</li> <li>- WCC_PASSWORD (Window: System Parameters)</li> <li>- FILE_SYSTEM_ROOT (Window: Setup File System)</li> <li>- URL (Window: Setup Data Source Connection)</li> </ul>
11.3	V7.0 New UI: Improved form design and interaction	<a href="#"><u>14901</u></a>	<p>For Form View in all the tabular objects, the following was implemented.</p> <ol style="list-style-type: none"> <li>1. By default(custom css will overwrite this is something is defined for edit boxes), non editable fields are now grayed out with a dark gray text. Editable fields have a white background.</li> <li>2. Text fields were doubled in length. (this is also by default. Custom css can overwrite this).</li> <li>3. Instances where there is a client-specified CSS need to remain unaffected by any changes we make. Custom defined css will overwrite default behavior.</li> <li>4. Field labels were moved above text boxes and all text boxes are now left aligned, by default (can be overwritten).</li> </ol>

Item #	Title	Fogbugz #	Release Notes / Longer Description
11.4	Make Bookmarks work for Treeviews (and other objects)	<a href="#">15084</a>	<p>Bookmarks for Tree Views are now implemented. A 'IBookmarkable' interface was created in java. So in order for an object to be 'bookmarkable', it needs to implement the interface. So both data windows and tree view both implement the IBookmarkable interface. Bookmarks for tree views behave just like bookmarks do for data windows.</p> <p>If a window uses 'SetTemporalBookmarks' in javascript, a temporary bookmark is made. With this temporary bookmark, the current selected item is re-selected if the window is re-retrieved via the 'retrieve data' button. Note: this will not work if window is refreshed with browser reload window button.</p> <p>If there is a bookmark column (BOOKMARK_COLUMN) set in web_windows_objects for the object, you can set a bookmark for the object via rc &gt; 'Set location bookmark'. This will allow you to navigate between windows and reload windows and the bookmark item will be retrieved. This bookmark will get cleared once the session ends. So the user cannot log out and log back in and expect to see their bookmarks.</p>
11.5	Version 7.0: New User Interface	<a href="#">16397</a>	See detailed documentation provided in parallel.
Parent Case: #13751 - Description: Enhancement High: Multiple check box selecting - Day Cards window			
11.6	Enhancement: Ability to select checkbox across multiple records at once	<a href="#">14796</a>	Added the ability to select (or un-select) multiple check boxes in data window and server data windows via shift + click (selects all rows from the first row clicked to the last row clicked) or cntl + click (select multiple rows individually). This is a general change, so should work across all data windows
Parent Case: #15520 - Description: v7.0 Graph Enhancements [Parent]			
11.7	Use a different set of colors than ChartDirector's default color pallet for graph series	<a href="#">12930</a>	<p>New window (System &gt; Setup &gt; Graph Color Schemes) is added to the system.</p> <p>Column "Continuous" means:</p> <ul style="list-style-type: none"> <li>-If checked, colors in order are used.</li> <li>-If not checked, depending on the number of series, the colors with maximum possible distance are used.</li> </ul> <p>Data is stored in tables GRAPH_COLOR_SCHEMES and GRAPH_COLOR_SCHEMES_DET and is cached.</p> <p>New SelectBox "Color Scheme" is added to the "General" tab on the "Graph Properties" popup.</p>
11.8	Prevent axis title and label overlaps	<a href="#">12990</a>	Axis titles are now always attached to axis labels, so there should be no overlapping, or gap between them.



Item #	Title	Fogbugz #	Release Notes / Longer Description
11.9	Add formatting to axis labels in graph reports	<u>13005</u>	<p>Graphs support label formatting based on following rules:</p> <ul style="list-style-type: none"> <li>- For R type columns that are not "[currency]", check SETUP_COLUMN_ID.FORMAT_STR:</li> <li>- If there is "," in the format, show number grouping symbol based on application's locale. Otherwise, do not show number grouping symbol.</li> <li>- If there is "." in the format, find the maximum fraction digits (the number of # or 0 on right of "." in the format). If it is not 0, always show that many number of fraction digits.</li> <li>- For R type columns that are "[currency]", check the first token of SYSTEM_ADM. CURRENCY_FORMAT:</li> <li>- Convert it using rules above.</li> <li>- Then replace the currency placeholder with the currency symbol based on application's locale. The currency placeholder must be at the beginning or at the end of the format.</li> <li>- D type columns with format are formatted like everywhere else in the system.</li> </ul>
11.10	Increase space between graph legend entries	<u>13441</u>	The space between graph legend entries is set to 10 pixels.



Item #	Title	Fogbugz #	Release Notes / Longer Description
11.11	Improve graph's look and feel	<a href="#">13805</a>	<p>From Wiki373:</p> <p>In the Graph Properties window, two SelectBoxes for "Length" are added to the "Category Axis" and "Values Axis" tabs, under "Label":</p> <p>This sets the length of the axis label text boxes. If the length of text shown on labels exceed this number of pixels, they will be truncated and the last visible characters are replaced with "...".</p> <p>This will guarantee that no matter how the properties are set or how large the axis labels are, axis titles and labels will not run out of the graph image borders anymore.</p> <p>Default is 100. It cannot be negative. If set to zero, the labels are hidden.</p> <p>Change existing graphs and set as default in Graph Properties:</p> <p>Category axis labels angle: 90 (used to be -45)</p> <p>Right margin: 15 (used to be 10)</p> <p>Left margin: 15 (used to be 40)</p> <p>Bottom margin: 15 (used to be 40)</p> <p>Top margin: 15 (used to be 5)</p> <p>Legend width: 250 (used to be 150)</p> <p>Title 1 font size: 16 (used to be 12)</p> <p>Title 2 font size: 12 (used to be 10)</p> <p>Category axis title font size: 12 (used to be 10)</p> <p>Category axis label font size: 10 (used to be 8)</p> <p>Values axis title font size: 12 (used to be 10)</p> <p>Values axis label font size: 10 (used to be 8)</p> <p>Change or set in the code (not configurable by user):</p> <p>Distance between the graph title (if any of Title1 or Title2 exists) and the plot area: 15</p> <p>Minimum distance between the axis labels and the axis titles: 15</p> <p>Distance between the plot area and the legend (if exists): 15</p> <p>Remove the black border around bar series.</p> <p>Remove the black border around legend rectangles showing the colors of the data sets.</p>
11.12	Make graph image files in PNG format (instead of JPG)	<a href="#">13854</a>	Make graph image files in PNG format (instead of JPG).