

# Guide to Software Enhancements in Scoreboard/QuickScore Version 2.14

## Aggregation Type for Calculated Metrics

When a metric or one of its thresholds is calculated, there is now a “Calculated Aggregation Type” choice for the metric.

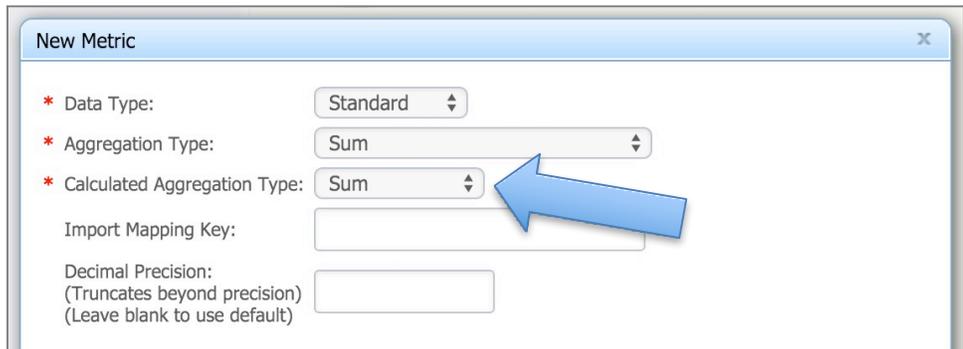


Figure 1: The new “Calculated Aggregation Type” option

You can choose either the same aggregation type as the non-calculated metric data, or you can choose “Use Equation”.

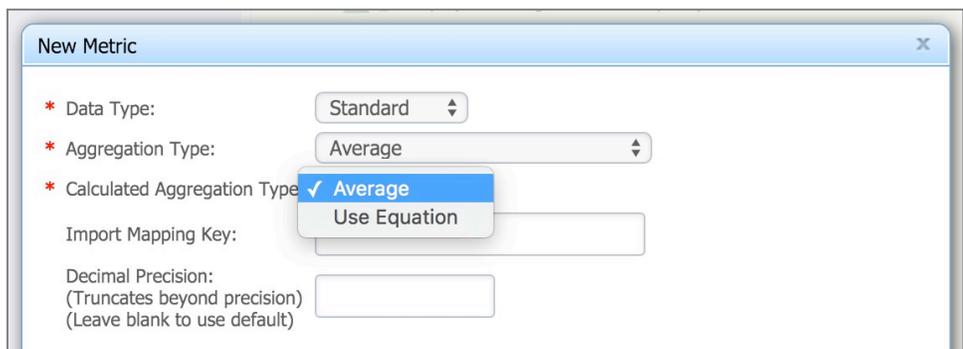


Figure 2: The option to choose “Use Equation”

The reasoning behind this new enhancement is a little complicated, so it’s helpful to know its history.

A popular feature in the software is the ability to view a metric in a larger calendar view and automatically see the metric’s totals for that larger calendar. For example, if you view a monthly metric in yearly mode, the software will use that metric’s aggregation type to aggregate the 12 months into a yearly total. Metrics can have an aggregation type of sum, average, or already aggregated (uses the last value).

For calculated metrics, things are a little different. In the past, the software only used the “Use Equation” aggregation type for calculated metrics. This approach aggregates each of the metrics in the equation first, and then plugs the aggregated values into the equation. Here’s an example to help make things more clear.

Let's say you have a calculated metric for the percentage of airline flights that serve meals. It's an equation based on two monthly metrics: "number of flights with meals" divided by "total number of flights".

January: 2 flights with meals, 4 total flights = 50% with meals  
February: 2 flights with meals, 100 total flights = 2% with meals

Now, what should the total percentage be for January and February? The correct way is to add up all of the "flights with meals" and divide that by the sum of the "total flights". We're aggregating each metric and then plugging the aggregated values into the equation.

Total: 4 flights with meals, 104 total flights = 3.8% with meals

In this situation it wouldn't make sense to first evaluate the entire equation for January and February and then aggregate those values. If we added the months it would be 52%. If we averaged the months it would be 26%.

Unfortunately, this approach doesn't work for all calculated metrics. There are times, for example, when we want the yearly value for a calculated metric to just be the sum of that year's months. In order to do this, we added the ability to choose how a calculated metric is aggregated. In the "Calculated Aggregation Type" dropdown, users can either choose the traditional "Use Equation" approach, or they can choose to aggregate the metric in the same ways as a non-calculated metric – sum, average, or already aggregated.

### Choosing How to Treat Missing Metric Data in Equations

When a metric isn't updated, it is null. It shows up as gray in the software, and in the past it would always force all equations that reference that metric to also be gray for that period.

In the latest version of the software you can now choose how to handle missing metric values in equations.

The screenshot shows a 'New Metric' configuration window. The 'Missing Values' dropdown menu is highlighted with a blue arrow, showing the 'Ignore' option. The window includes fields for Data Type, Aggregation Type, Calculated Aggregation Type, Import Mapping Key, Decimal Precision, Update Type, Default Value, Actual Value, Red Flag, Goal, and Missing Values. A note at the bottom indicates that an asterisk denotes a required field.

Figure 3: The new "Missing Values" option

There are three options. “Make equation blank” is the default and it makes the software work as before. Any missing value makes the equation null for the period.

“Treat as 0” will make any missing values in the equation get the value of 0.

“Ignore” means that it will just remove missing metrics from the equation.

\* denotes a required field

Figure 4: The three new options for missing values

### Show N/A on dashboards

When a metric value is “not applicable” for a particular period, it now shows as N/A on dashboards performance bubbles.

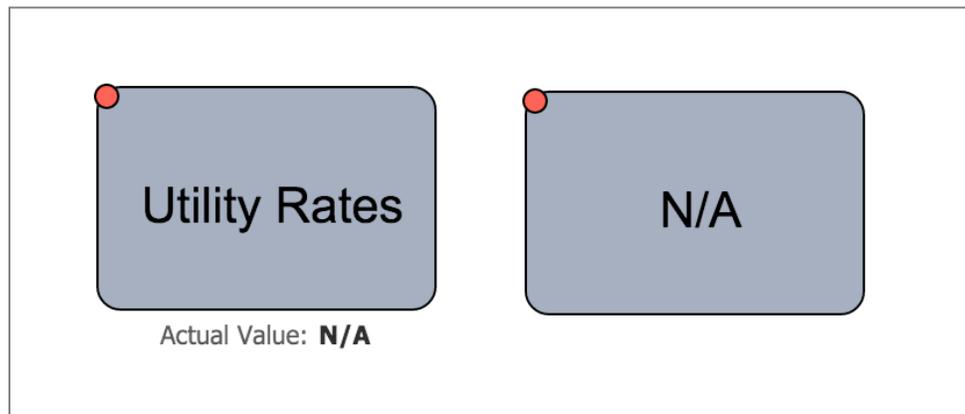


Figure 5: Not applicable being shown on a dashboard

## Better Support for Mixed Font Sizes in Dashboard Text Objects

In the past, the spacing between lines for dashboard text objects was too much for smaller fonts. The software now makes the spacing to be proportional to the text, which looks much better when mixing font sizes.

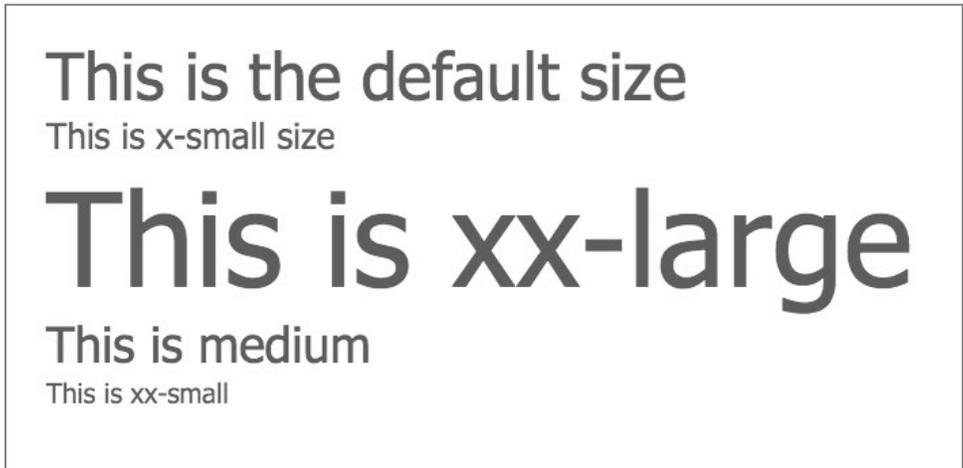


Figure 6: Mixed font sizes in a dashboard text objects

## Changing Multiple Drilldowns for Dashboard Objects

You can now change the drilldown attribute for multiple dashboard objects at the same time. When multiple objects are selected, the drilldown options are limited to “Default” and “None”.



Figure 7: Changing the drilldown for multiple objects

## Reset Password via Email

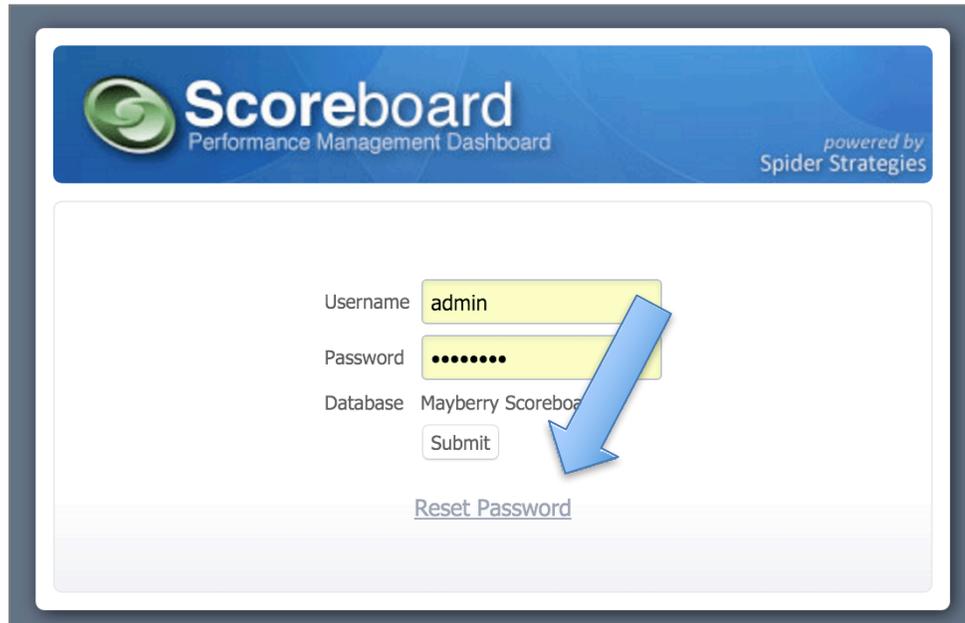
There is now a “Allow password reset via email” configuration option.

When this option is set to “yes”, a “reset password” links shows up on the bottom of the login form.



Allow password reset via email Yes

**Figure 8:** The new configuration option in administration

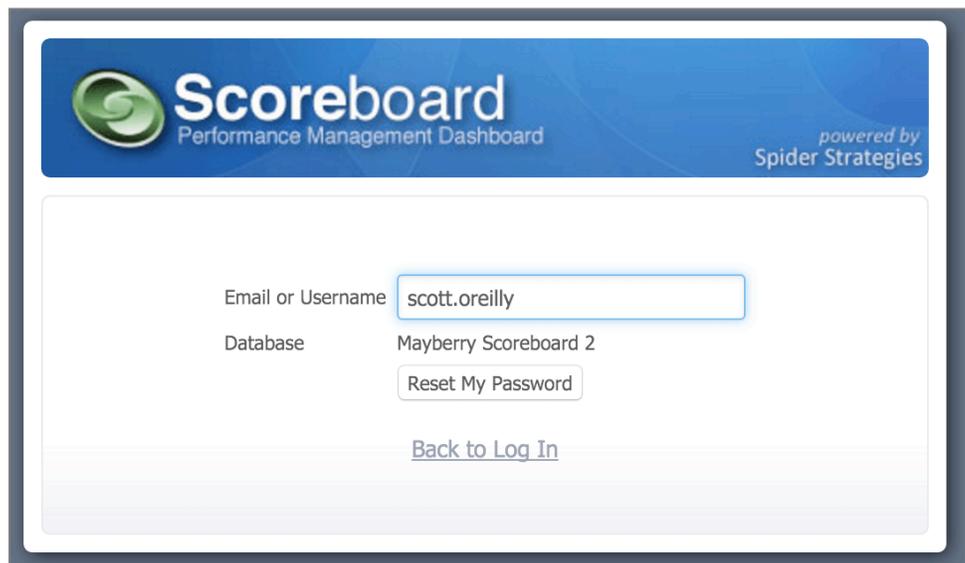


Scoreboard Performance Management Dashboard powered by Spider Strategies

Username admin  
Password .....  
Database Mayberry Scoreboard  
Submit  
[Reset Password](#)

**Figure 9:** The new reset password link

Clicking the link brings you to a form where you can enter your email or username. When you click the “reset my password” button, the software will then email you a link to reset your password.



Scoreboard Performance Management Dashboard powered by Spider Strategies

Email or Username scott.oreilly  
Database Mayberry Scoreboard 2  
Reset My Password  
[Back to Log In](#)

**Figure 10:** The new reset password form

## Block Logins After Multiple Failed Attempts

There is new configuration option in the Administration section where you can choose the number of invalid attempts allowed before an account is locked.



Figure 11: The new configuration option in administration

## Unsubscribe Links in Emails

There is now an unsubscribe link in all emails sent by the software. When a user clicks unsubscribe, they are taken to a form where they can choose to unsubscribe from email notifications for a particular user account or for all accounts that share a common email address.

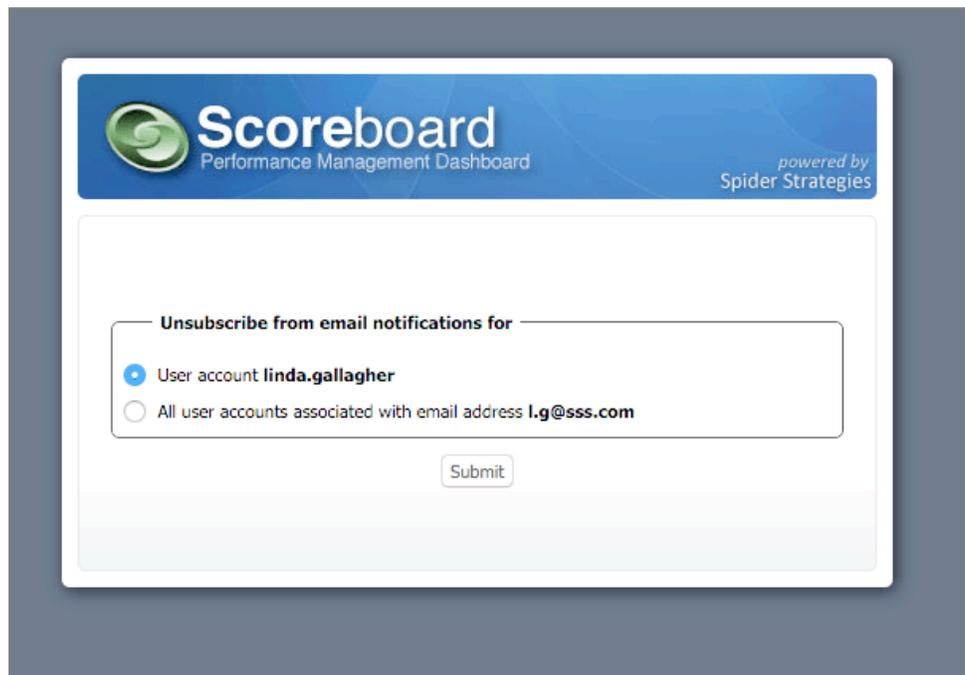


Figure 12: After clicking the unsubscribe link

## Editing Image Names

You can now edit image names in the Administration section. This is very helpful to maintain the increasing number of images in the software.

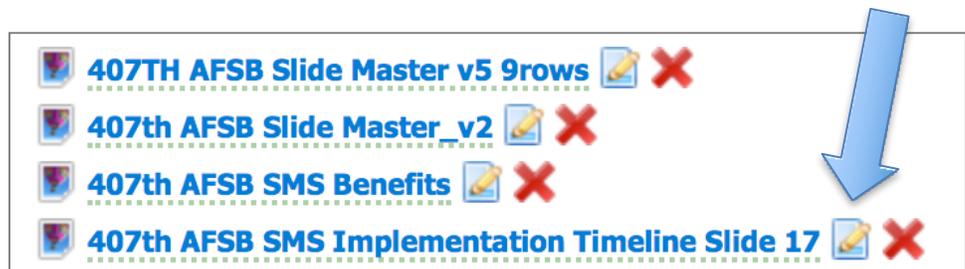


Figure 13: Edit image links

## Assigning Groups as Owners and Updaters in Administration

In the past, only users could be assigned as owners and updaters in the Administration section. You can now assign both users and groups as owners and updaters in Administration.

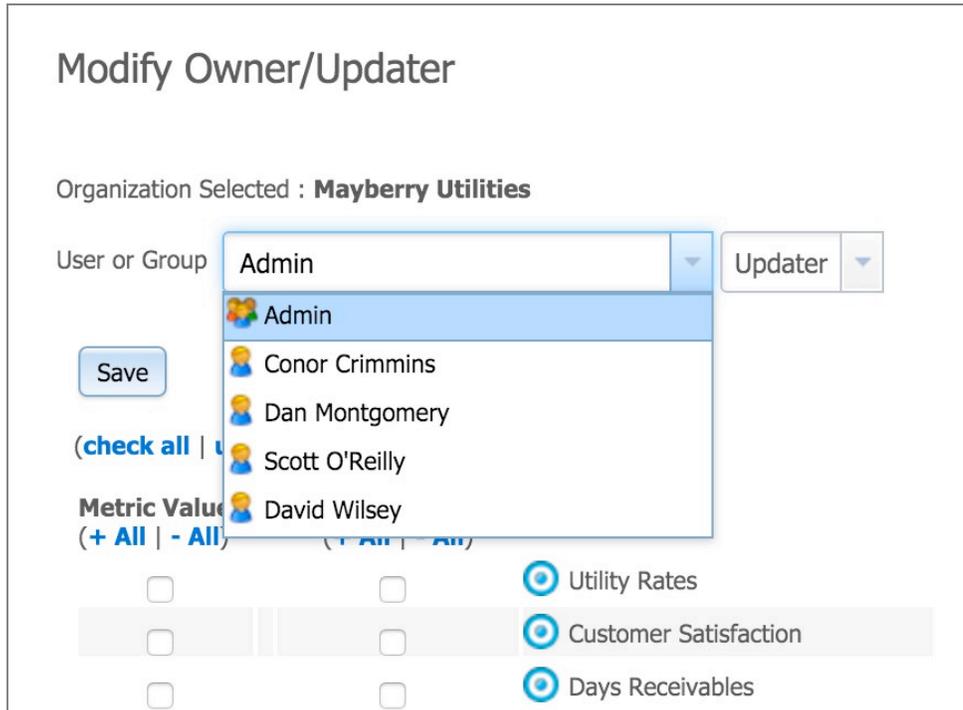


Figure 14: Assigning a group as an updated in the Administration section

## Generating Demo Data to a Specific Date

When using the "Generate Demo Data" functionality in the administration section, it is now possible to extend the demo data into the future by selecting a date.



Figure 15: Choosing demo data date

### **Maintaining Organization Tree Position**

There were various times when the organization tree would scroll to the top, like when another user edited an organization object, or when hiding and showing the organization tree. The software now remembers your organization tree scroll position, which makes it easier to find your previous position.

### **Instant Alerts Also Sent to Creator**

In the past, if a user sent a broadcast alert to groups that included themselves, it would not send that alert to the alert creator. This was sometimes confusing because they expected to see the alert they created. The software now sends alerts to the user who created the alert.

### **Score Calculation Improvements**

In the latest release of the software, we have performance tuned the score calculation process for very large amounts of data. This will make the score calculation process much faster.