



About the Status by Area Report

patterns & practices



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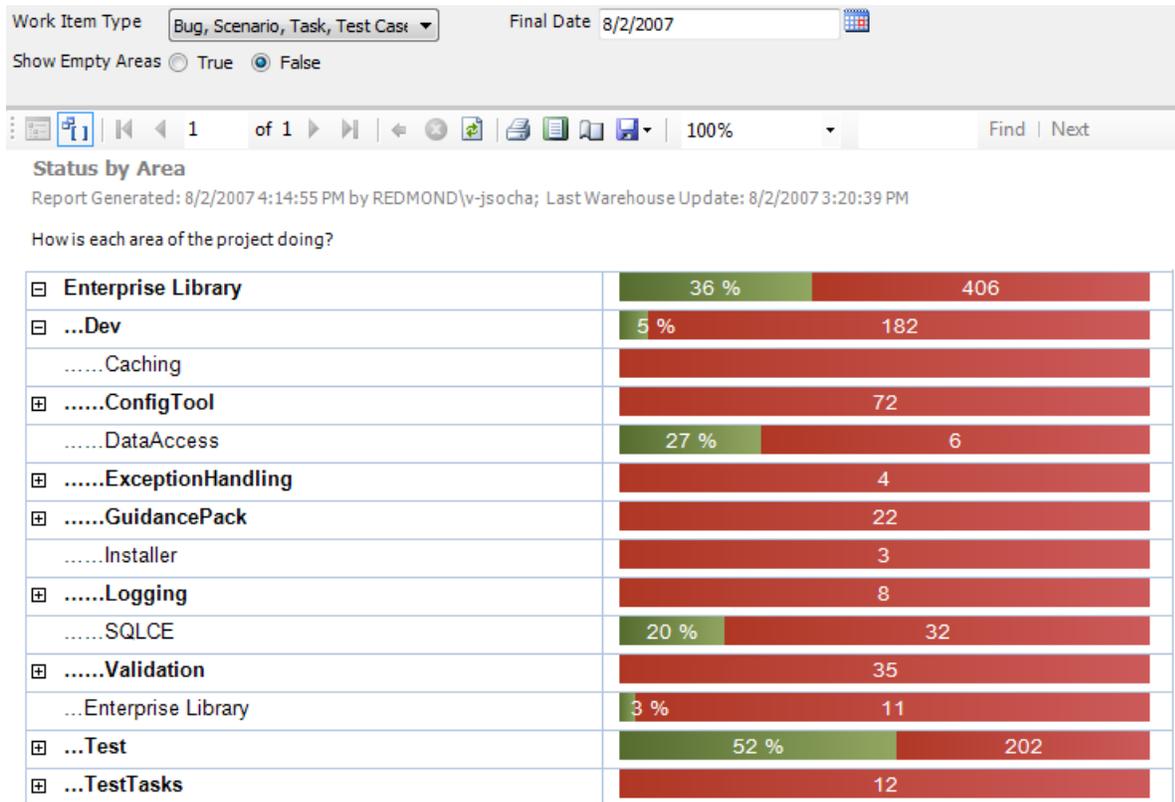
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About the Status by Area Report



About This Report

Title: Status by Area

Version: 1.0

Answers: How are we doing for each area of the project?

How to Use This Report

With this report, you can view the status of your project at a glance and drill down into specific areas. You can use this report to find problem areas and understand how to refocus your efforts.

You can use the **Work Item Type** parameter to focus the results on a subset of all work item types in your project.

The graphs on the right side of the report have up to three different sections in each bar. Dark green represents work that is complete, with the percentage of completed work displayed inside the bar. Light green (not shown above) represents recently completed work (completed within the last seven days). Finally, red represents work not yet completed. The number shown in the red bar is the aggregate of the work remaining of all uncompleted work items.

Parameters

- Work Item Type** You can use this parameter to restrict the set of work item types you want the report to include. Initially, all work item types are used.
- Final Date** You can change this value to go back in time and have the report include the results as of an earlier date.
- Show Empty Areas** By default, an area that has no work items does not appear in the list. Change this to **True** if you want to see all areas, even if they have no work items.

Methodology Requirements

This report is useful only if you've been diligent about entering an area into the **Area** parameter for every work item of interest to you. For example, if you're interested in seeing only the status of tasks, you do not need to enter the area information for other work item types.

The **Area** parameter is a tree. Before you start a project, it's beneficial to spend some time planning how you will structure the Area tree in your project. Also make sure anyone who will create new work items understands this organization and knows how to decide which area to choose for new work items.

Dependencies

Clicking any of the areas displays the Remaining Work by Size report for the area you clicked.

Fields and Values Assumed

We've tried to minimize the number of assumptions and requirements for using this report in your own projects. The following table describes the dependencies with fields and/or values in work items.

Field	Assumptions
Work Item Type	All—The earlier description refers to monitoring tasks. However, this report displays a parameter that initially selects all work item types. You can change this to show any subset of work item types you wish.
Remaining Work	You should ensure you have correct values in this field for all your work items.

Customizing the Report

The RDL file is ready to install in a TFS project.

You can customize this report using the Report Designer, which is a set of tools hosted in Visual Studio after you install the SQL Server client tool set named Business Intelligence Development Studio.

Modifying the RDL to Work Inside Report Designer

You can create a Report Server project to work on this report. After you do that, you'll need to make the following changes before you can customize the report:

1. In Visual Studio's Report Designer, open the RDL file.
2. Click either the **Data** tab or **Layout** tab.
3. On the **Report** menu, click **Report Parameters**.
4. Click **ExplicitProject**, and then clear the **Hidden** check box.

The **ExplicitProject** parameter is usually hidden, but during development you'll want it visible so you can type a project name and then press the TAB key to initialize the other parameters using that project.

You can also supply an explicit project name so you don't have to type it each time during development. To do this, click the **Non-queried** option button in the **Default values** area, and then enter the project name in the text box for the **ExplicitProject** parameter. After you do this, you can hide the **ExplicitProject** parameter, even during development.

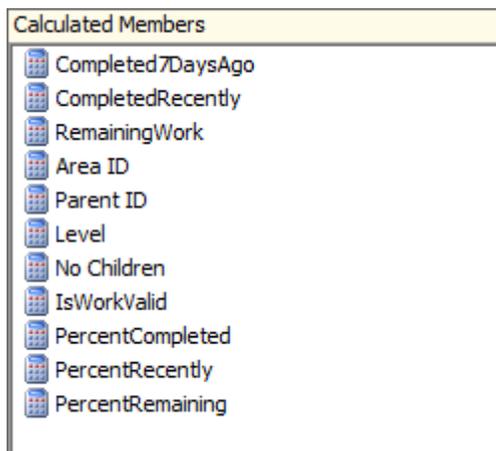
We used "Enterprise Library" as the initial project in each dataset, area, and/or iteration when we developed this report. You'll want to select a project on your TFS server so you can run the queries and see the results.

Changing the Time Period for Recently Completed

The report shows "recently completed" work as work that was completed in the seven days before the final date of the report. You can change this value, as described here (however, changing the length to a number much higher than 7 makes the report run slower):

1. In Visual Studio, open the RDL file for this report.
2. Click the **Data** tab to start working on the queries.
3. In the **Dataset** combo box at the top of the window (just below the **Data** tab), click **dsWorkItemsByArea**.

At the bottom of the window, there is an area for calculated members that looks like the following:



The first calculated member, **Completed7DaysAgo**, contains the definition for the time period "recent."

To change this calculated member, do the following:

1. In this area, double-click **Completed7DaysAgo**. The **Calculated Member Builder** dialog box appears. The expression will look like the following:
`COALESCEEMPTY(SUM([Date].[Date].CurrentMember.Lag(6), [Measures].[Microsoft_VSTS_Scheduling_CompletedWork]), 0)`

2. In the **Lag** function change the number to one less than the number of days you want to cover (the current day is 0 days before, so 0..-6 covers a week).
3. Click **OK**.