

Automating Microsoft Project - Power of Macros

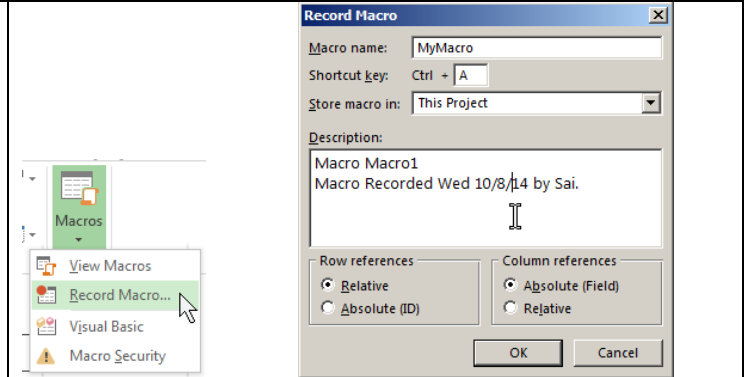
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Macros: VBA code to programmatically modify the project plan and the application behavior

How to create a macro? You can either record a macro (or) write a VBA code to access the Application and Project objects

Record a Macro

Click View tab. Click Macros dropdown. Click Record Macro
 Change the macro name. Assign a short-cut key and select where should the macro be stored
 Insert rows, click commands.
 Stop the macro using Macros dropdown.
 View the code generated in View Macros dialog



Write a Macro

1. You need have some knowledge about declaring variables, looping and other constructs in Visual Basic. Refer to this link [http://msdn.microsoft.com/library/xk24xdbe\(v=vs.90\).aspx](http://msdn.microsoft.com/library/xk24xdbe(v=vs.90).aspx)
2. Next, you should be aware about how the objects within Project are related. Take a look at the Project Object Model [http://msdn.microsoft.com/en-us/library/office/ff865184\(v=office.15\).aspx](http://msdn.microsoft.com/en-us/library/office/ff865184(v=office.15).aspx)
3. Let's look at some examples to understand how to programmatically read and change the information as well as the behavior of the application
4. Example 1: Highlight items after every change - <http://bsaiprasad.wordpress.com/2014/10/06/highlight-items-after-every-change/>
5. Example 2: Get alerted when tasks have no dependencies set - <http://bsaiprasad.wordpress.com/2014/10/07/get-alerted-when-tasks-have-no-dependencies-set/>
6. Example 3: Don't delete approved tasks - <http://bsaiprasad.wordpress.com/2014/10/08/stop-dont-delete-approved-tasks/>