

# ZoomIn++ Application

ZoomIn++ is based on the ZoomIn app published by Brian Friesen, which is based on the ZoomIn app provided by Microsoft included with Visual Studio. Brian's code is available [here](#).

I've made several modifications to the Brian's version which I consider to be significant improvements:

- Added the ability to take a command-line argument and use it both as part of the window caption and also as the key for saving the settings in the system registry.
- Fixed issue: window size & position not being saved to registry
- Fixed issue: selection rectangle starting at top left instead of actual window position
- Added code for using a crosshair mouse cursor to track the desktop area to be magnified instead of drawing selection rectangles which is very slow
- Added code to enable using the mouse scroll-wheel for adjusting magnification
- Added code to adjust zoom magnification precision based on the current magnification factor:
  - Zoom factors from .1 to 8.0 are incremented by .1
  - Zoom factors from 8.0 to 16.0 are incremented by .2
  - Zoom factors from 16.0 to 24.0 are incremented by .5
  - Zoom factors from 24.0 to 32.0 are incremented by 1.0
- Fixed issue: slider and status bar overwritten by stretchblt operation at higher magnifications
- Re-created old recursive zooming behavior in older ZoomIn (which I find rather amusing):

