**Create a New Release**

When we are ready to make a new release of HydroDesktop, we need to build a new installer. [The build server](%20http:/hydro10.sdsc.edu:88/) is connected to HydroDesktop.Codeplex such that a build is automatically initiated about 30 minutes after any new code commit from Mercurial. A new build can be initiated manually by clicking the “Run” button next to “default HydroDesktop Installer” under the HydroDesktop project at the build server.

To create a new release, we need to update the version number to match the new release. The version needs to be updated in three places:

1. Installer
   1. To update the version number in the installer, open *setup.iss* (located in the Installer folder of the repository) in Inno Setup. (Inno Setup is downloaded from the web and will let you edit and run the installer).
   2. Change the version number on lines 13 and 14 where the AppName and SrcApp variables are defined.
      1. You might also have to change the OutputBaseFilename on line 75.
   3. Lastly, we need to generate a new GUID so that this version of HydroDesktop will be installed to its own folder instead of being installed on top of the previous version of HydroDesktop.
      1. Highlight the value of AppID on line 40.
      2. From InnoSetup’s tool bar, open the Tools menu and select Generate GUID. This will create a new unique ID and replace the old one.
   4. Save the file. Commit the changes. Push changes to CodePlex.
2. AssemblyInfoShared in Visual Studio
   1. HydroDesktop gets its version number from AssemblyInfoShared, so we need to change this number.
   2. Opening the solution in Visual Studio, you will find two AssemblyInfoShared files (one .vb and one .cs). (I’m not entirely sure if both are actually used, but might as well change the versions in both because it’s easy).
   3. AssemblyInfoShared.cs is located in the MainApplication project in the Properties folder; AssemblyInfoShared.vb is located in the Solution Items folder.
   4. Change the AssemblyVersion and AssemblyFileVersion to the new release version.
   5. Save the file. Commit the changes. Push changes to CodePlex.
3. Build Server
   1. Lastly, we need to update the version numbers on the Build Server that creates the Installer.
   2. You must be signed in and have administrator privileges over the HydroDesktop project.
   3. Click Administration in the upper right corner of the webpage.
   4. Find HydroDesktop in the list of projects.
      1. Click “Edit” to the right of “default Hydrodesktop Installer” to open a new webpage.
      2. Increment the Build Number next to “Build number format”.
      3. Reset the auto-incrementing counter by clicking “Reset Counter”.
   5. Make the exact same change to “default Hydrodesktop.Main x86”.
4. Now you can build a new installer by clicking “Run” next to “default Hydrodesktop Installer” from the Projects page. (If the build fails, you can get more information on the Build Server by looking at the “Build Log.” You will probably need to make some changes to setup.iss to fix the issue.
5. Download the installer by opening the Artifacts dropdown and selecting the installer.
6. Create a new release on Codeplex and upload the installer as the downloadable file.