**Prerequisites**

* You must have Visual Studio 2010 or later installed. Express, Professional, Premium, or Ultimate versions can be used.
* You must install the [Kinect for Windows SDK](http://go.microsoft.com/fwlink/?LinkID=236070), which is a free download.

**Step 1: Installation**

1. Install either the 32-bit or 64-bit editions of MATLAB.

**Step 2: Set the system environment variables**

There are two ways to set the system environment variables: using the provided environment variable script or setting the environment variables manually.

**Automatic Method**

A script called KinectBridgeWithMATLABBasics-D2DEnvironmentSetup.bat is provided. This script will set the appropriate system environment variables, with the exception of the PATH variable, for you.

The script can be run as follows:

KinectBridgeWithMATLABBasics-D2DEnvironmentSetup.bat [ MATLAB\_Directory ]

There is one parameter listed:

MATLAB\_Directory is used to specify the location of the MATLAB installation.

If the location of MATLAB is not passed in, the script will attempt to automatically detect it. If the script cannot detect the location of MATLAB, the script will prompt the user for the location.

**Manual Method**

1. Open the **Start** Menu. Right-click **Computer**, then select **Properties**. Click **Advanced system settings** and then click **Environment Variables**.
2. Create a new system variable. For **Variable name**, enter *MATLAB\_DIR*. For **Variable value**, enter the location of the MATLAB installation
3. This step is optional. The KinectBridgeWithMATLABBasics -D2D Visual Studio project is set up to modify the path automatically when the sample is run from within Visual Studio. If you want to run this sample outside of Visual Studio, then this step is necessary.  
     
   Find and double-click the *Path* system variable. In the **Variable value** field of the dialog box, add one of the following:  
   64-bit path: *%MATLAB\_DIR%\bin\win64*32-bit path: *%MATLAB\_DIR%\bin\win32*

If you ever change your installation directory or download a new version of MATLAB, change the environment variables to the correct new values.

Note that modifications to the environment variables do not result in immediate change. For example, if you start another Command Prompt after making the changes, the environment variables will reflect the previous (not the current) values. You must restart Visual Studio once you make modifications to the environment variables. The changes do not take effect until you log off and then log back on.