# List of software to install before the class

*We highly recommend you prepare your laptop per below. If you wait until the day of the class to do this, you may find your downloads will be slow due to others who did not prepare, and you will get overwhelmed with installation tasks while trying to learn. You risk not being able to complete some of the hands-on-lab exercises. Preparation will help you get the best from the class and reduce the load on technical support. Thank you for good preparation!*

## Supported OS:

Microsoft Windows 7, 8, 8.1, Linux, or OSX – with modern HTML5 browsers.

## Software on Windows:

1. **Python For Windows** <http://www.python.org/ftp/python/2.7.5/python-2.7.5.msi>
2. **Django 1.6** <https://www.djangoproject.com/download/1.6/tarball/> [optional]
3. Install [Microsoft WebPI](http://www.microsoft.com/web/downloads/platform.aspx) (Web Platform Installer) to install related Azure Developer Tools:
   1. Windows Azure Libraries for .NET – 2.2 or better
   2. Windows Azure SDK for .NET – 2.2 or better (matching Visual Studio Version if installed)
   3. Windows Azure Cross-platform Command Line Tools
   4. Windows Azure PowerShell [Optional]
   5. Microsoft .NET SDK for Hadoop [Optional] <http://go.microsoft.com/fwlink/?linkid=325563&clcid=0x409>
   6. Python SDK [Optional] <http://go.microsoft.com/fwlink/?linkid=254281&clcid=0x804>
4. Visual Studio 2012, or 2013, or better [Optional]
5. LayerScape <http://go.microsoft.com/?linkid=9788727> [Optional]
6. Another browser that supports HTML5, e.g., Chrome or Firefox [Optional]

## Storage tools on Windows:

1. **Azure Storage Explorer 5 Preview or better** <http://azurestorageexplorer.codeplex.com/>
2. **AzCopy** <http://blogs.msdn.com/b/windowsazurestorage/archive/2013/09/07/azcopy-transfer-data-with-re-startable-mode-and-sas-token.aspx>
3. **FTP client such as FileZilla** <https://filezilla-project.org/>
4. Azure Management Studio [Optional]<http://www.cerebrata.com/products/overview>. Email [msr@cerebrata.com](mailto:msr@cerebrata.com) for a free full license. ($199 retail)
5. Azure explorer <http://www.cerebrata.com/labs/azure-explorer> [Optional]

## Putty on Windows:

1. **Install putty package** <http://the.earth.li/~sgtatham/putty/latest/x86/putty-0.63-installer.exe>

## Microsoft Excel tools on Windows to support some exercises:

1. [Power Query](http://www.microsoft.com/en-us/download/details.aspx?id=39933) and [PowerPivot](http://www.microsoft.com/en-us/bi/powerpivot.aspx) will work with Office 2010 or later, but [Power Map](http://www.microsoft.com/en-us/download/details.aspx?id=38395) only works with Excel 2013 or Office 365. Recommend: [Office 365 for Education](http://office.microsoft.com/en-us/academic/) (free trial).

## Software on Linux and Mac:

1. Python and Windows Azure Python SDK   
   <http://www.windowsazure.com/en-us/develop/python/common-tasks/install-python/>
2. Windows Azure Cross Platform Command Line Interface   
   <http://www.windowsazure.com/en-us/manage/install-and-configure-cli/>
3. Git, ssh and other normal useful Unix tools.
4. Remote desktop: remmina for Linux, and Version 8+ Remote desktop from the apple store.