

**You will need each of the following, described below:**

- 1. SSH client**
- 2. Text editing tool**
- 3. Visualization tool**



## SSH Client

An *ssh client* is necessary for connecting and using the Bay Program's cloud computing resources.

Suggested clients by operating system

Windows: [PuTTY](#) (download [here](#))

MacOS: [Terminal](#) (pre-installed with OS, information [here](#))

Linux: [OpenSSH](#) ([here](#))



## Text editing tool

We will be modifying text files during the workshop. You can use whatever software with which you are comfortable. If you are unfamiliar with the on-host editors ([vi](#), [vim](#), [emacs](#), or [nano](#)) or are not sure, we recommend using an sftp client (e.g. [FileZilla](#)) with a local editor (e.g. [VS Code](#)) to edit files. In this case, *FileZilla* automates the download-edit-upload process.

Here is a list of other relevant text editing tools:

On host:

- [vi](#)
- [vim](#)
- [emacs](#)
- [nano](#)

## 12/20/18 - CBP Technology Transfer Workshop - Software Requirements

This document represents an initial attempt at listing requirements required for the technology transfer workshop. It is subject to revision.

Sftp client:

- [FileZilla](#) (free, cross-platform [Mac, Windows, and Linux])
- [Cyberduck](#) (free, [Mac, Windows])

Local editor (can be used in conjunction with sftp client):

- [Microsoft Visual Studio "VS" Code](#) (free, cross-platform [Mac, Windows, and Linux]; although we haven't tested it, see the [remote workspace plugin](#) for direct editing)
- [Atom](#) (free, cross-platform [Mac, Windows, and Linux], although we haven't tested it, see [the remote-edit-ni plugin](#) for direct editing)
- [Notepad++](#) (free, [Windows])
- [TextEdit](#) (proprietary, [Mac])



## Visualization tool

To visualize results, [Microsoft Excel](#) is required.