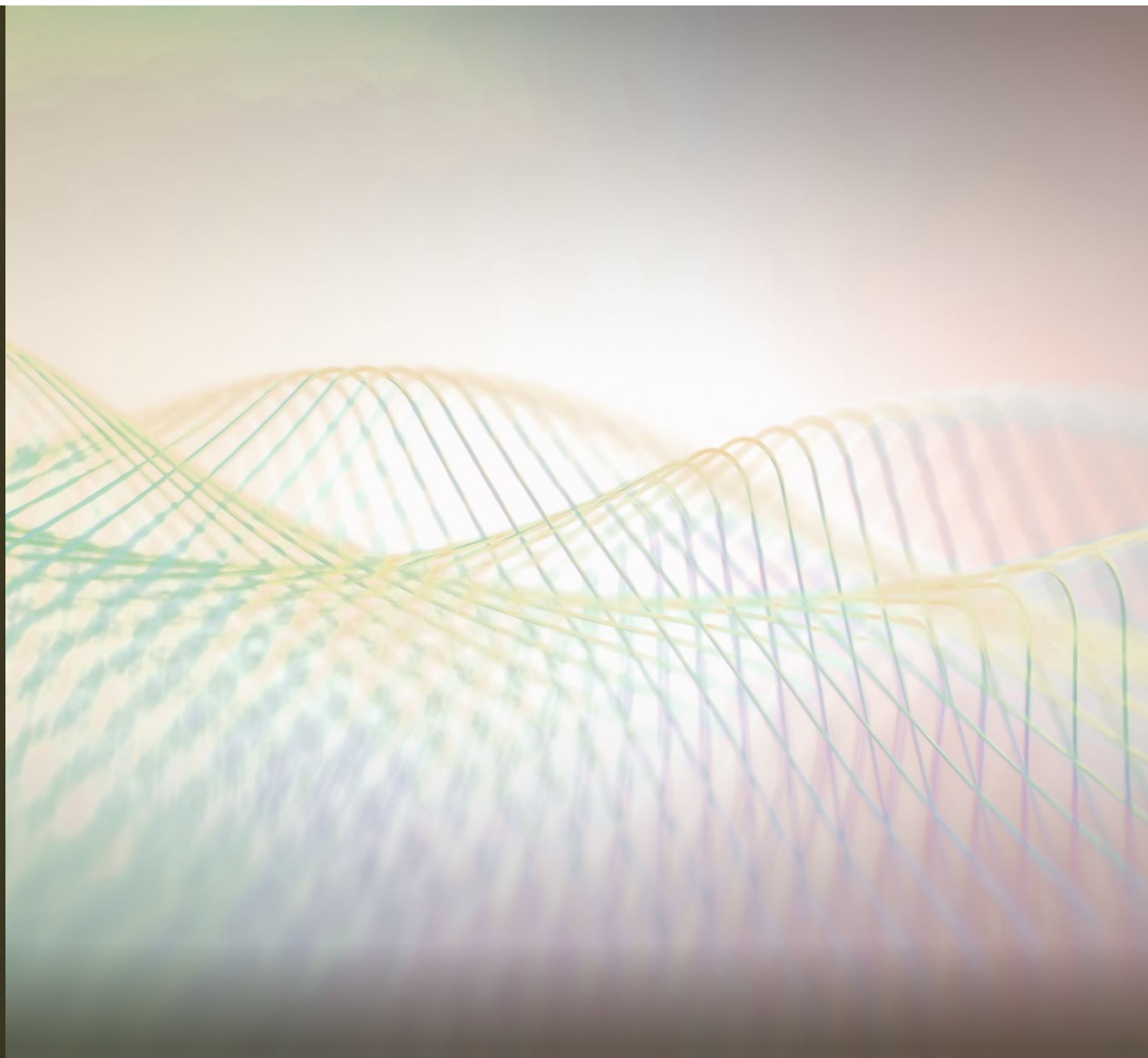




PuTTY, SSH, X-server

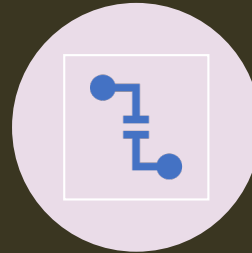
By Nischal Shrestha



What is a PuTTY?



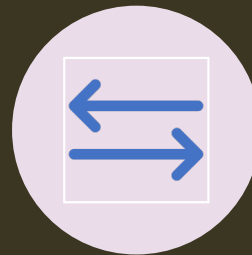
PuTTY is a free open source terminal emulator, serial console, and a network file transfer application.



It supports network protocol such as SSH with the X-forwarding argument to connect to a local machine



The name has a mysterious origin. It was written for windows and used to be one of the main ways in windows to establish an SSH connection. Now you can just use command prompt. You can download it from the internet

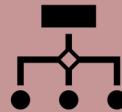


Lets expand on what SSH and X-forwarding mean

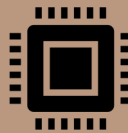
Secure Shell (SSH) connection



The “Secure” part of SSH comes from the fact that the connection will use cryptography to make the plain text traffic coded to outside viewers.



The “Shell” is the user interface the user uses to transmit commands or network data through

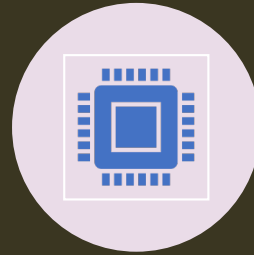


PuTTY is an application/client that can create an SSH connection to a remote computer over a given network with the X forwarding argument

X Window System



X is an architecture-independent system for remote graphical user interfaces and input device capabilities



This basically means that it provides the basic framework for a GUI environment.



An individual client program will use X's graphical abilities to provide a user interface



It features network transparency; X program running on a computer somewhere on a network can display its user interface on an X server running on some other computer on the network.

- An X client is an application that will use the resources on your computer(the X server) to provide a graphical interface.
- rather than a remote database being the resource for a local app, the user's graphic display and input devices become resources
- The graphical output are what is known as windows
- The keyboard and mouse act as an input

