

**vILP – CPP – Using WinSCP\_v1.1**

**November 7 , 2014**

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# COURSE 1: USAGE OF WinSCP

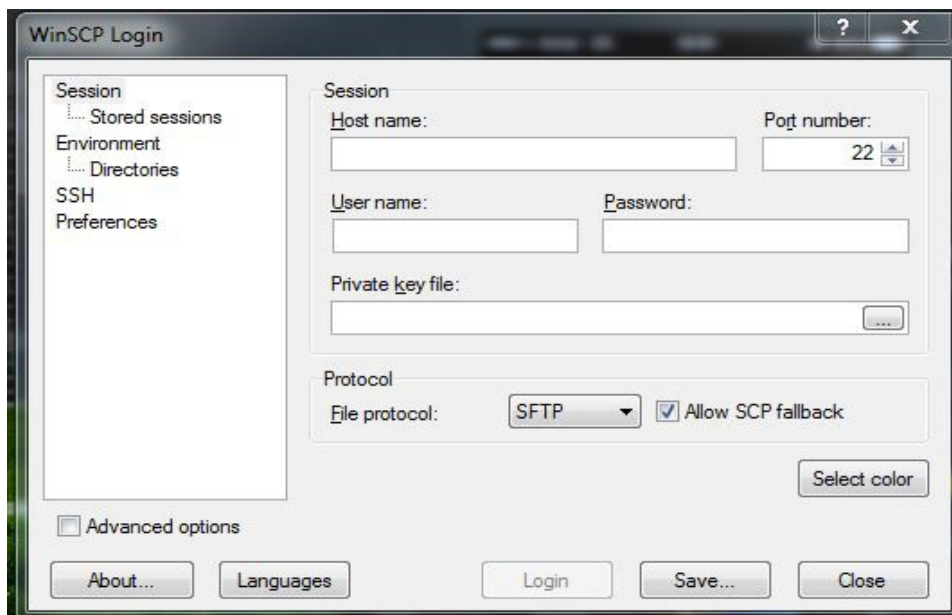
## 1.1 Introduction to WinSCP

WinSCP (**Windows Secure CoPy**) is a popular , free and open-source Secure File Transfer application (SFTP) for Windows computers .It is used to transfer files securely between remote server and local computer and vice versa. It includes support for SCP file transfers, and has the ability to create secure tunnels via SSH. Secure FTP (SFTP) is similar to FTP, but with SFTP the entire session is encrypted, so that passwords are never sent in the clear text , and are therefore much less vulnerable to interception. That is ,for transferring files securely, we can use Secure copy or SCP protocol, it uses Secure Shell (SSH), which encrypts the content before transferring data over network. It runs over TCP port 22 by default.

## 1.2 How to use WinSCP

### Step I : Start WinSCP

To start with double click on WinSCP icon in the desktop or select it from Programs Group . The first screen will look as below



### Step II : Logging in to Server

Enter IP address of the server in Host Name field.

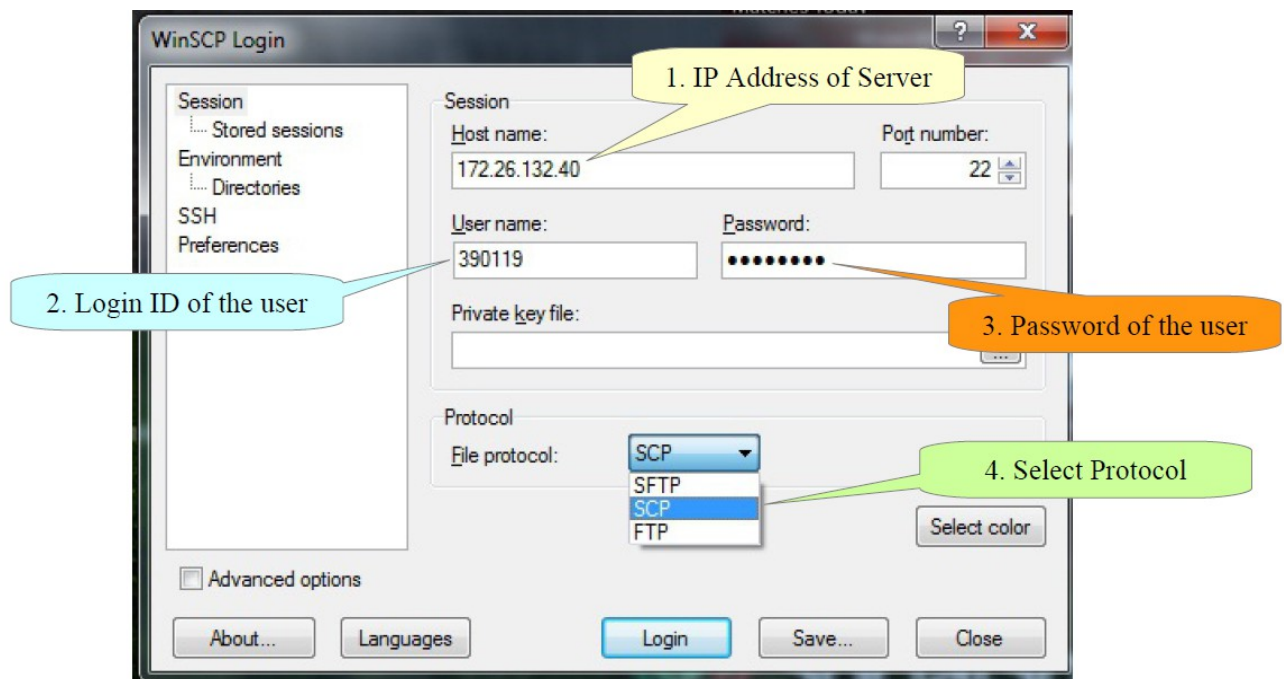
Unix login userid in the User name field

Unix login Password in Password field

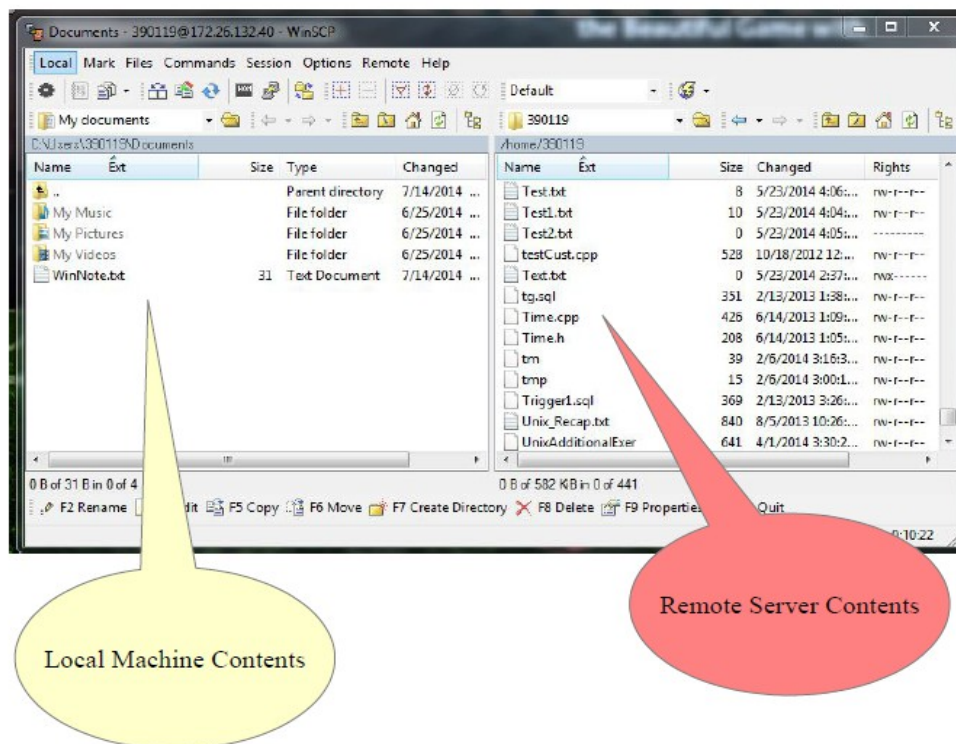
Choose the protocol ( SFTP/ SCP / FTP)

For example

- 1) Host name used : 172.26.132.40 (For Ahmedabad centre)
- 2) User name used : 390119
- 3) Password used : \*\*\*\*\*
- 3) Protocol selected : SCP



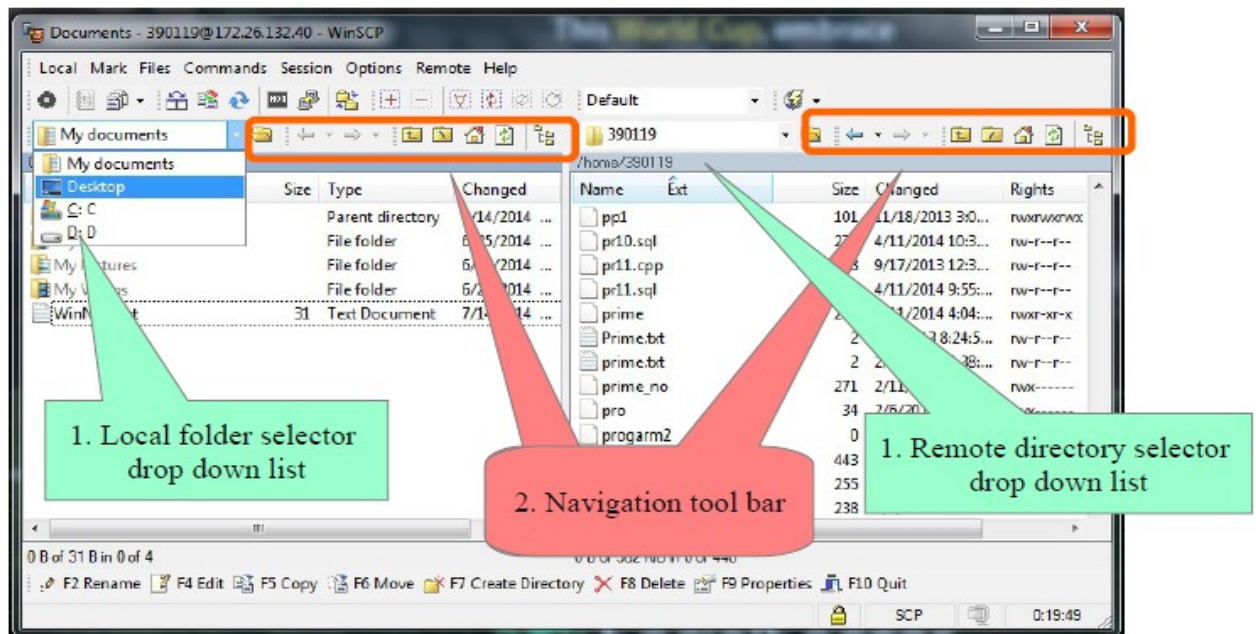
After logging in successfully, the following window will appear.



The left panel displays the content in local machine and Right panel displays the content in remote server.

### Step III : Select/Navigate to working directory

1. We can select the working directory in both Local as well as remote machine from the drop down menu.
2. Tool bar can be used to navigate to desired folder



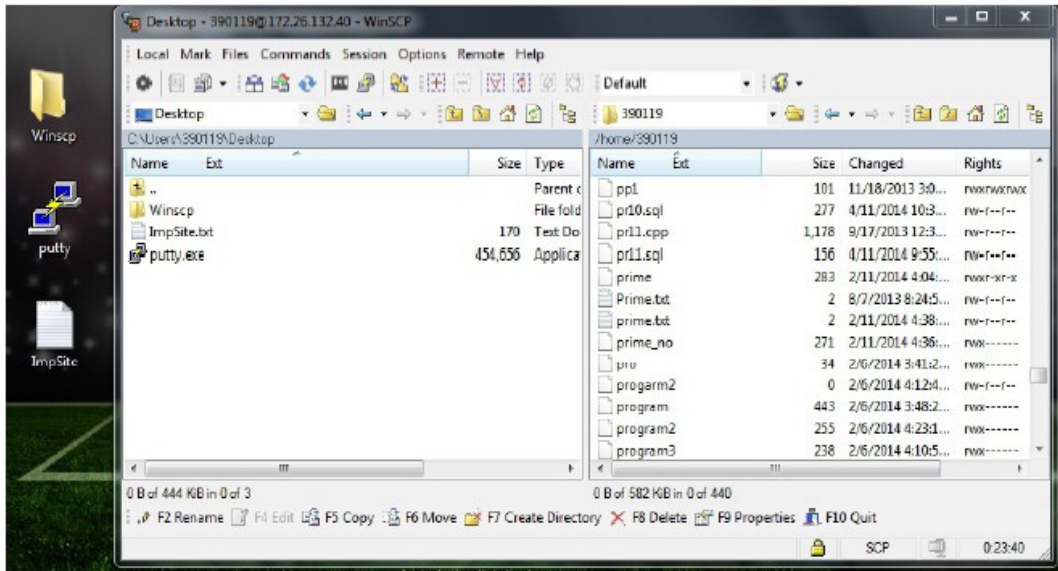
#### Step IV : Transferring content

Content can be transferred in two way

**A . Downloading** : Transferring content from Remote server to Local machine

**B . Uploading** : Transferring content from Local machine to Remote server



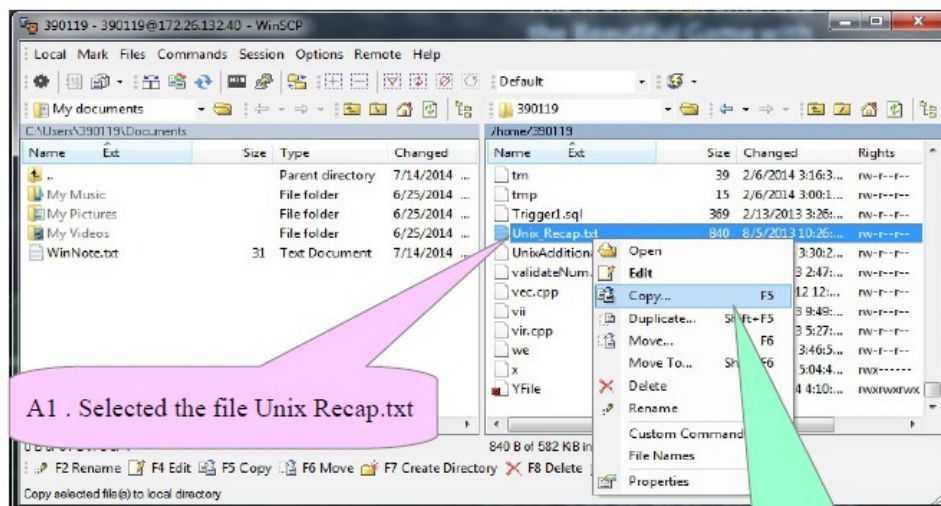


### 1.3 Downloading files from Remote Server

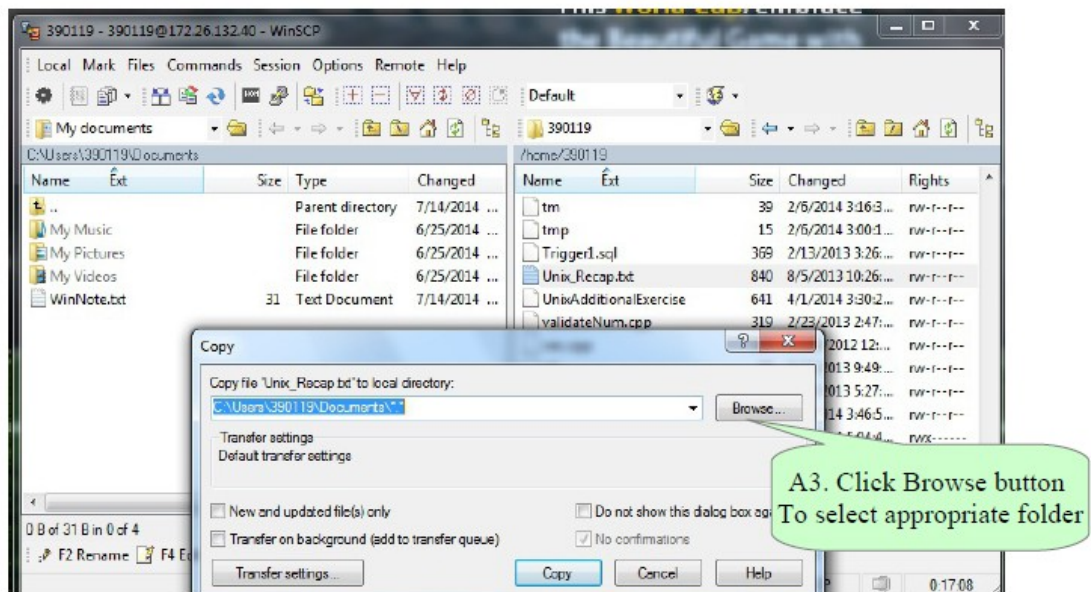
Following Steps to perform for Downloading file/Directory from Server

**Step - A1 :** Select the file to transfer in the Remote pane,

**Step - A2 :** Right click → Select Copy or move option

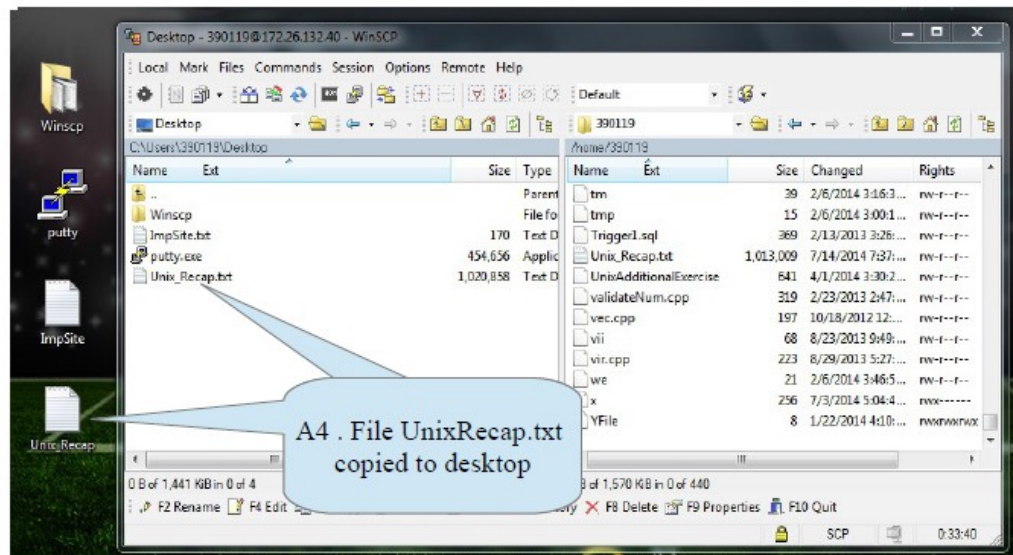


**Step - A3 :** Select the destination folder in the local machine(can be changed by selecting Browse button )



You will find file moving/coping to local machine

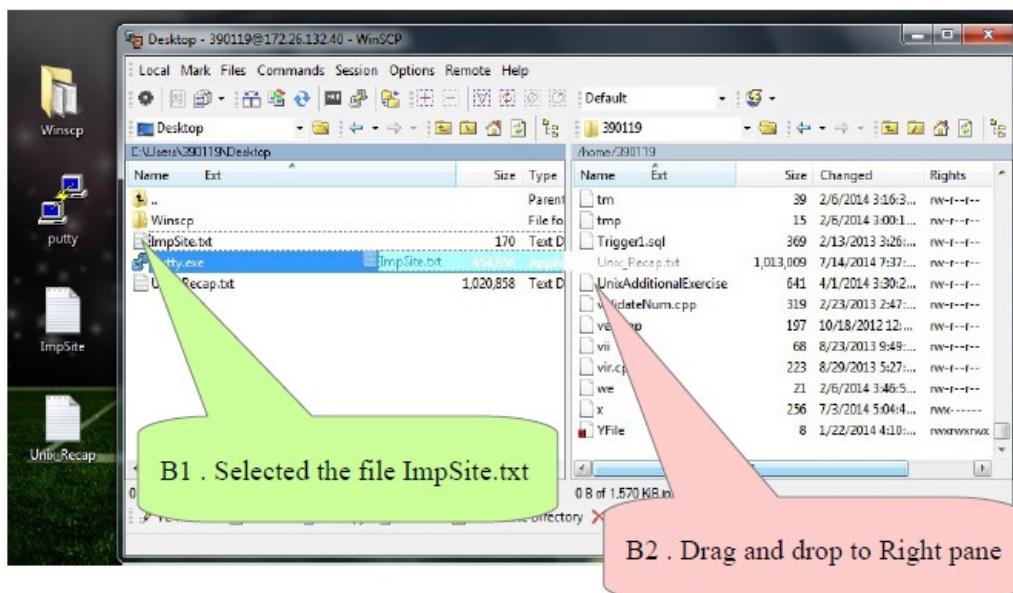
**Step - A4 :** The file Unix\_Recap.txt copied to desktop.



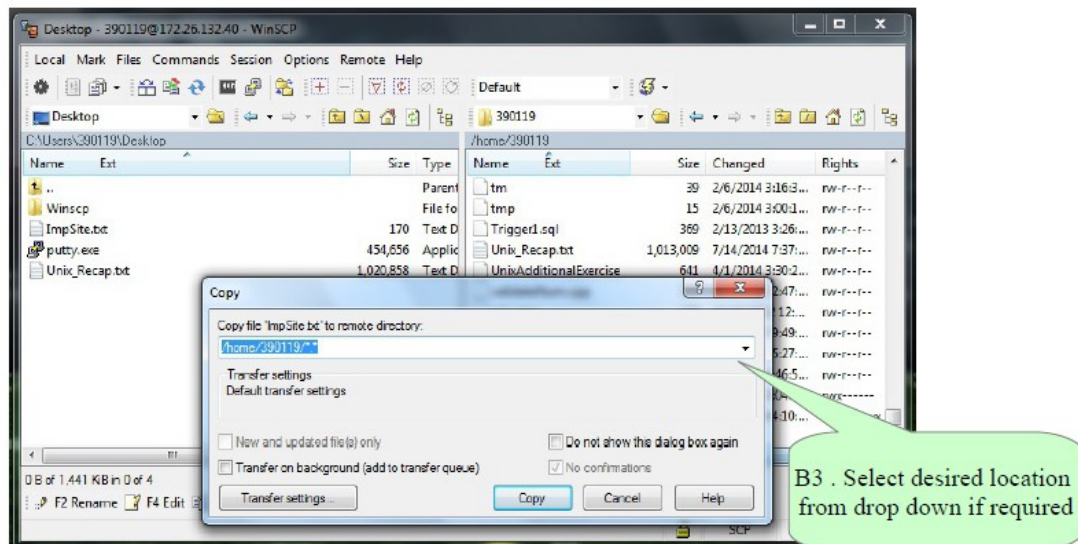
#### 1.4 Uploading files to Remote Server

**Step - B1 :** Select the file to copy in Local machine(Left) pane.

**Step - B2 :** Drag it and drop it to the remote pane desired location.



**Step - B3 :** Select the desired location from drop down list and select copy



The file is copied.

## 1.5 Saving sessions for future use

All the session information can be saved for future use and faster access.

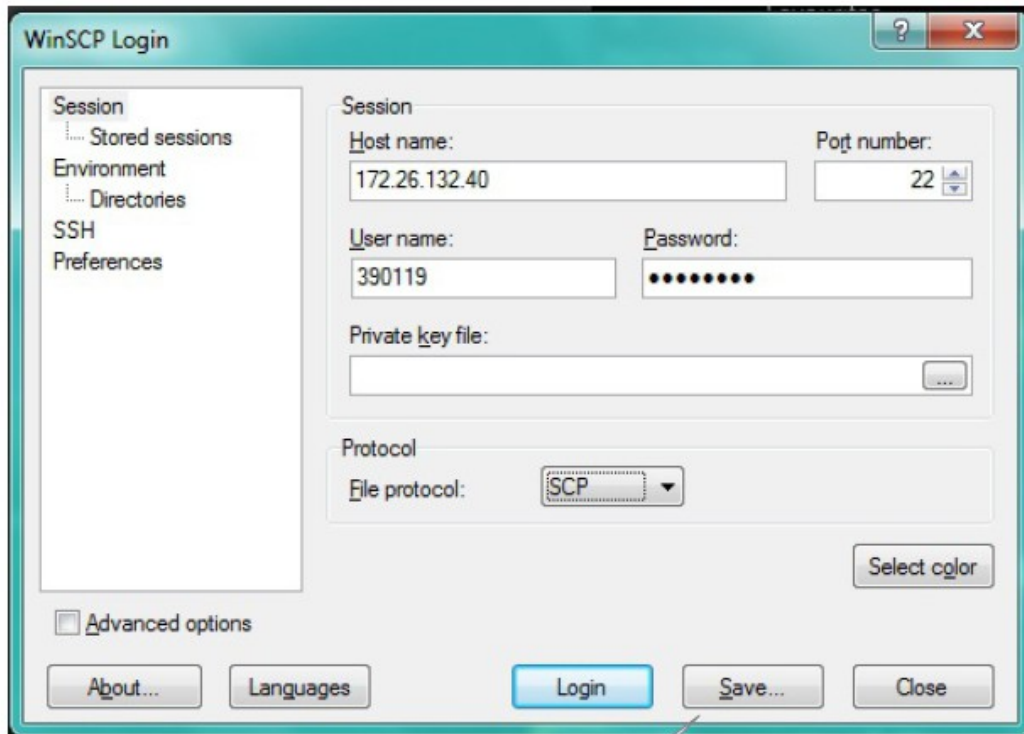
The information can be saved are :

>> Server IP

>> User name,

>> Password(Not recommended)

>> Communication protocol



Click Save Button

After entering all above information click save button.

*Thank You ----- Happy Learning*