TFTP (Trivial File Transfer Protocol):

o   TFTP stand for Trivial File Transfer Protocol.
o   TFTP is used to save and restore a router or switch configuration.
o   TFTP is used to backup, restore and upgrade IOS image.
o   TFTP uses UDP (User Datagram Protocol).
o   TFTP uses a well-known UDP port 69.
o   TFTP requires very small amount of memory.
o   TFTP uses the connection-less UDP for communication.
o   Trivial File Transfer Protocol (TFTP) is a simple file transfer protocol.
o   TFTP uses the connection-less UDP for communication.
o   TFTP does not support user authentication & all data is sent in clear text.
o   TFTP uses less resource as compare to FTP.
o   TFTP doesn't provide user authentication.

FTP (File Transfer Protocol):

o   FTP stands for File Transfer Protocol.
o   FTP is used to send & receive file from the remote device.
o   FTP is a complete, session-oriented file transfer protocol.
o   FTP depends on TCP, is connection oriented, and provides reliable control.
o   FTP provides user authentication.
o   FTP uses usernames and passwords for setup.
o   Devices are required to have a username and password setup for FTP.
o   FTP is faster when compared to TFTP.
o   FTP uses two TCP ports 20 for sending data & 21 for sending control commands.
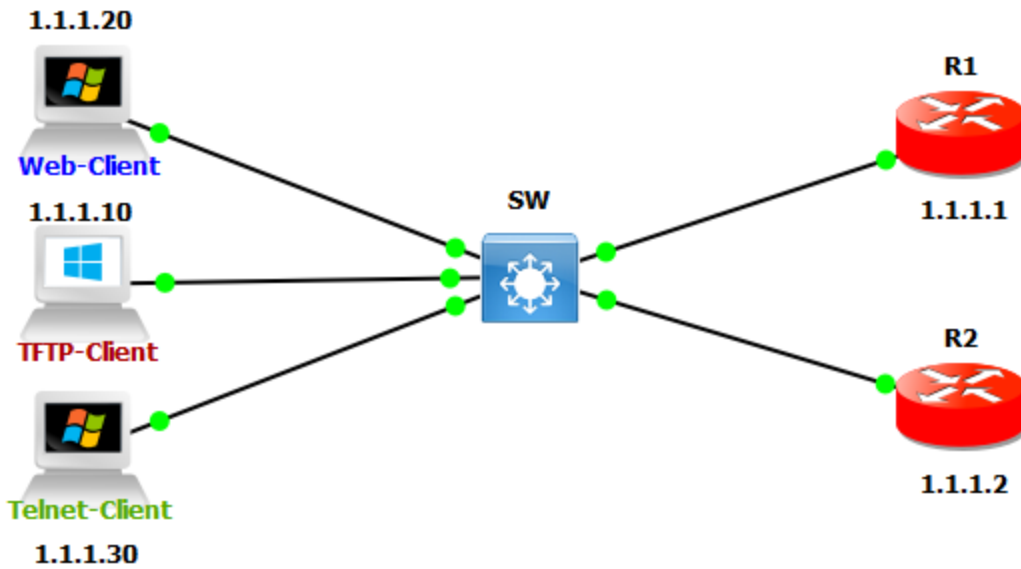
TFTP Configuration	
R1# copy running-config tftp	R1# copy tftp: running-config
R1# copy flash tftp:	R1# copy tftp: flash
R1# copy startup-config tftp:	R1# copy tftp: startup-config
FTP Configuration	
R1(config)# ip ftp username admin R1(config)# ip ftp password 123	R1# copy running-config FTP:
R1# copy startup-config FTP:	R1# copy Flash FTP:
R1# copy FTP: running-config	R1# copy FTP: startup-config
R1# copy FTP: flash	