

Transferring Modules With WinSCP

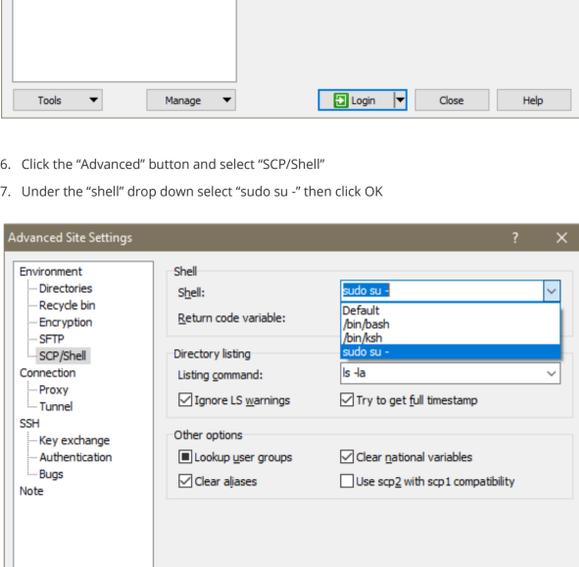
In many situations you may not have access to the internet or want to download the same modules multiple times through the RACHEL admin interface. With RACHEL modules available at <http://oe2go.org/> for download and also stored on your other RACHEL-Pi devices, this will show you how to transfer modules to another RACHEL-Pi from your PC.

Prerequisites

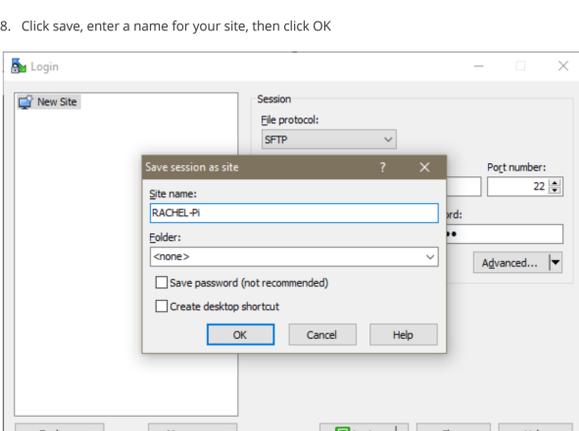
1. A RACHEL-Pi with SSH enabled. (See the "Enabling SSH" tutorial for instructions)
2. Download and install WinSCP from <https://winscp.net/eng/download.php>

Transferring

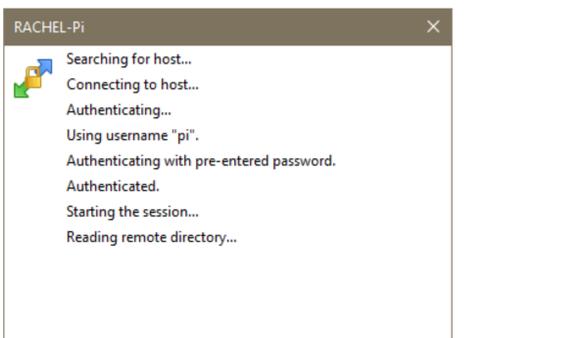
1. Open WinSCP on your PC
2. Under "File Protocol" select "SCP"
3. Under "Host name" enter the IP address of your RACHEL-Pi. The default is 10.10.10.10 if you're connected over wifi
4. Under "User name" enter "pi"
5. Under password enter "rachel" unless you've changed the pi user password



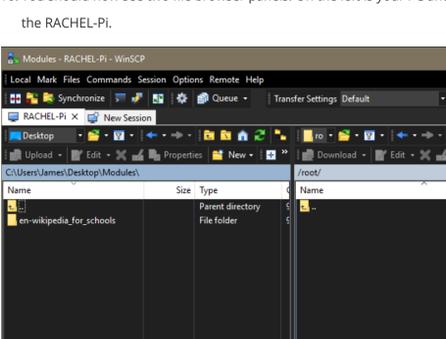
6. Click the "Advanced" button and select "SCP/Shell"
7. Under the "shell" drop down select "sudo su -" then click OK



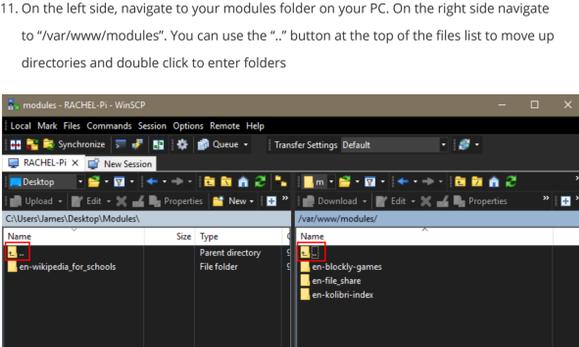
8. Click save, enter a name for your site, then click OK



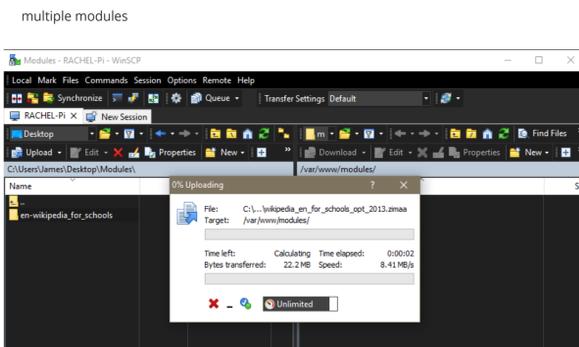
9. Click "Login" to connect to your RACHEL-Pi



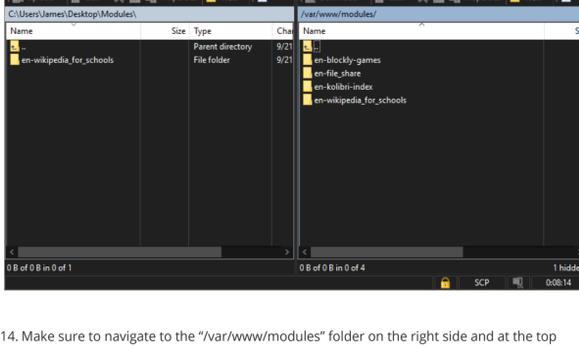
10. You should now see two file browser panels. On the left is your PC and on the right is the RACHEL-Pi.



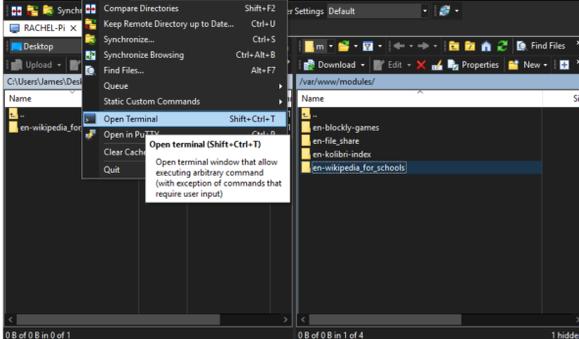
11. On the left side, navigate to your modules folder on your PC. On the right side navigate to "/var/www/modules". You can use the "." button at the top of the files list to move up directories and double click to enter folders.



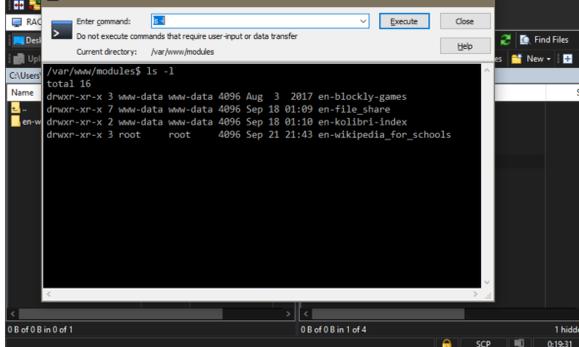
12. Drag the module folder from the left side to the right side to transfer it to the RACHEL-Pi's /var/www/modules directory. You can drag multiple folders at once to transfer multiple modules



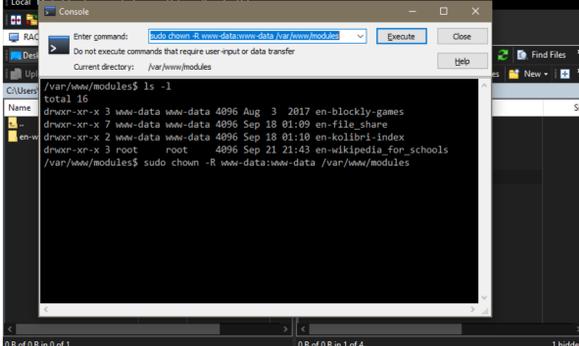
13. When transfer completes you should see the same folder on both sides



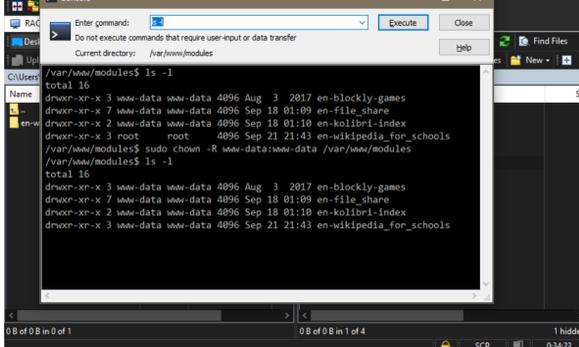
14. Make sure to navigate to the "/var/www/modules" folder on the right side and at the top select "Commands" and then "Open Terminal"



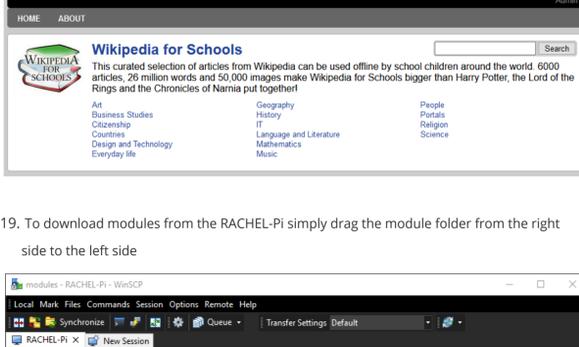
15. In the "Enter command" box type "ls -l" and press enter. You should see that your new module folder is not owned by the "www-data" user but instead says "root".



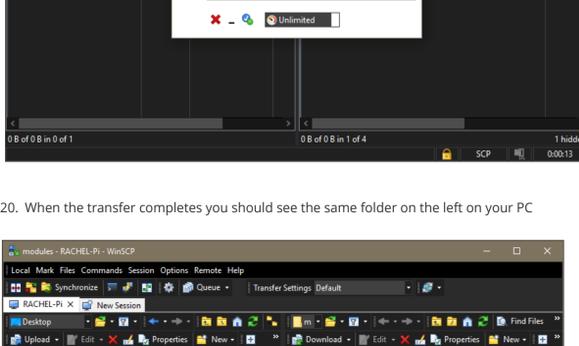
16. When the owner is root and not www-data you won't be able to delete the module from RACHEL admin interface. To fix this in the "Enter command" box type "sudo chown -R www-data:www-data /var/www/modules" and press enter



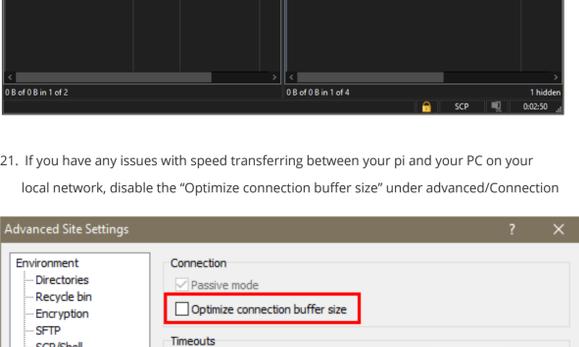
17. in the "Enter command" box type "ls -l" and press enter. All folders should now owned by www-data



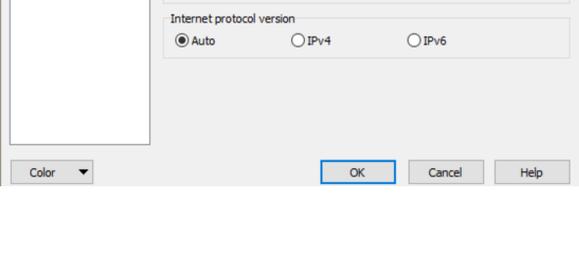
18. You can now close WinSCP and when you browse to RACHEL you should see your transferred modules. For Wikipedia modules you will need to reboot to use them



19. To download modules from the RACHEL-Pi simply drag the module folder from the right side to the left side



20. When the transfer completes you should see the same folder on the left on your PC



21. If you have any issues with speed transferring between your pi and your PC on your local network, disable the "Optimize connection buffer size" under advanced/Connection

