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document PuTTY setup for RDP port forwarding

document how to setup port forwarding in PuTTY to take advantage of this raspberry pi and open up a port for RDP to PCCAM, without going over the VPN

Edited 1 week ago by Alec

Alec @alecpap added To Do label 1 week ago

Alec @alecpap changed the description 1 week ago

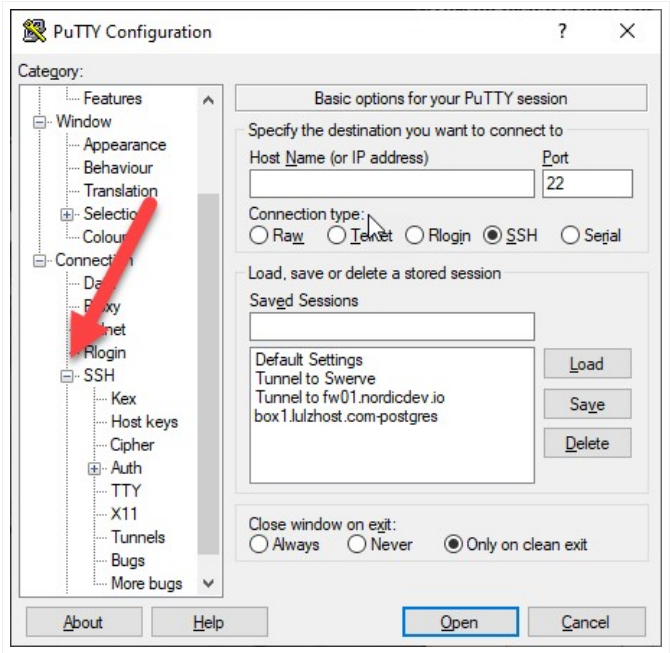
Alec @alecpap added Doing label and removed To Do label 1 week ago

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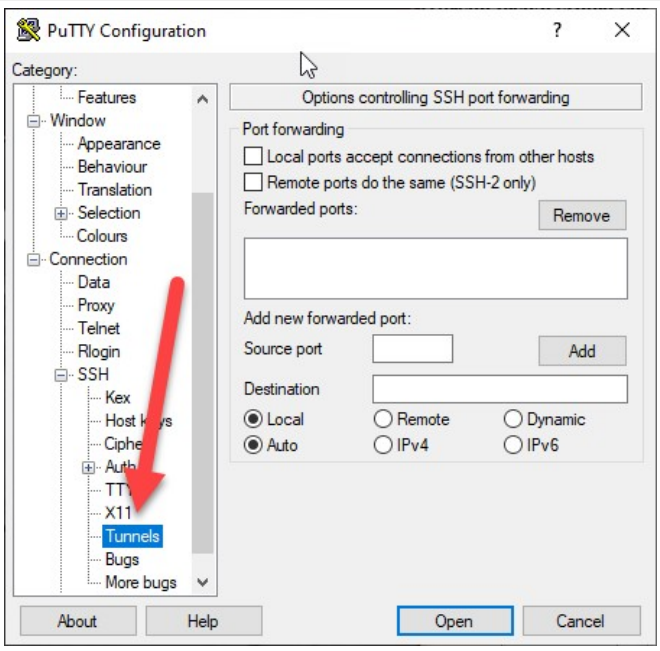
To RDP in to PCCAM, we need to setup a PuTTY profile that has port tunneling configured.

The IP address of PCCAM that we're going to use for the tunnel is `10.10.10.1`. RDP on PCCAM is listening on port 3389. You can choose whatever unused port on your local machine that you'd like to tunnel to 3389 on PCCAM. In this example, we'll use 33892.

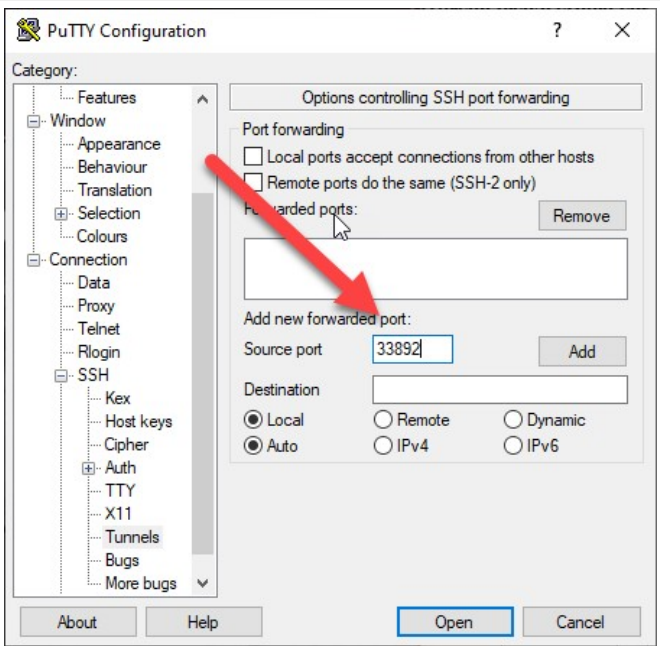
1. Open up PuTTY
2. On the left, expand the `SSH` option under the `Connections` node:



3. Click the `Tunnels` option under the `SSH` node:

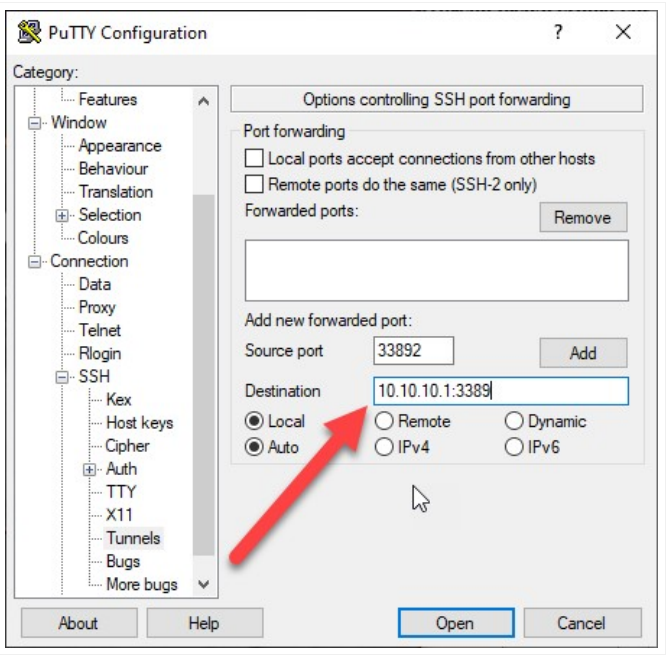


4. In the `Source Port` text box, enter the port you'd like to use on your local machine for the tunnel. In this example, I'm using 33892.

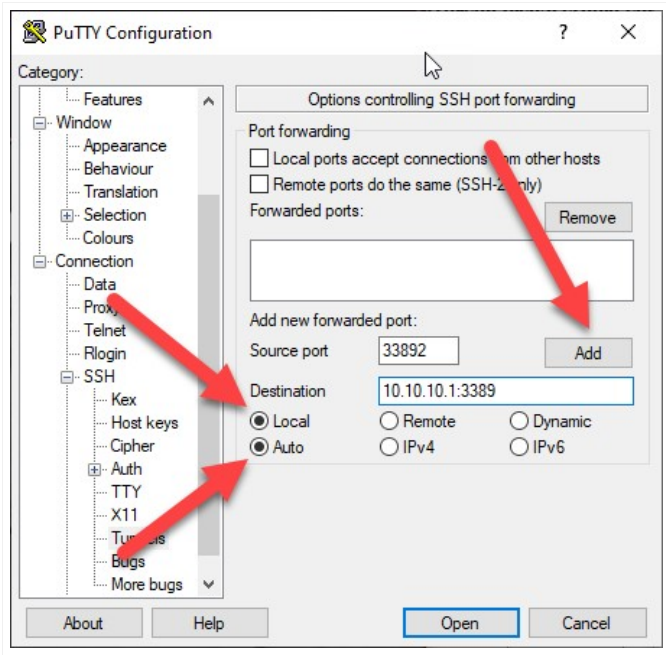


5. In the `Destination` text box, enter: `10.10.10.1:3389` . This is the IP address and port to which all connections from your local machine, on the port specified under the `Source Port` text box, will be

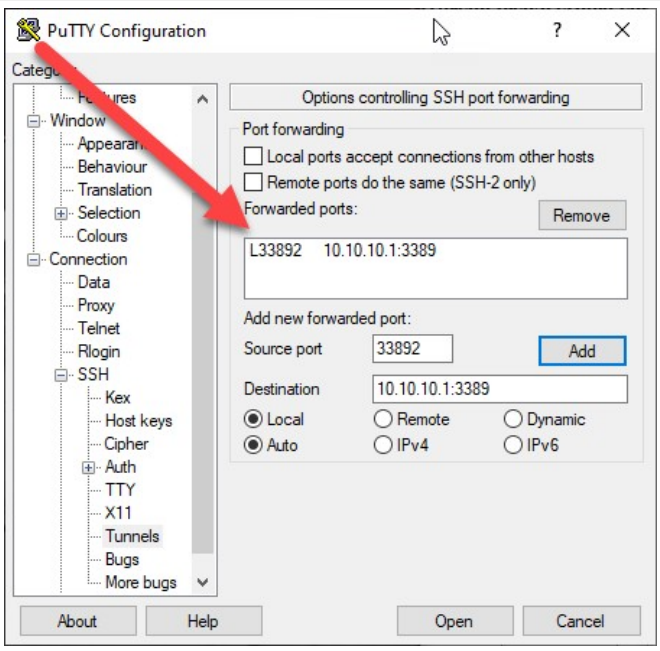
forwarded.



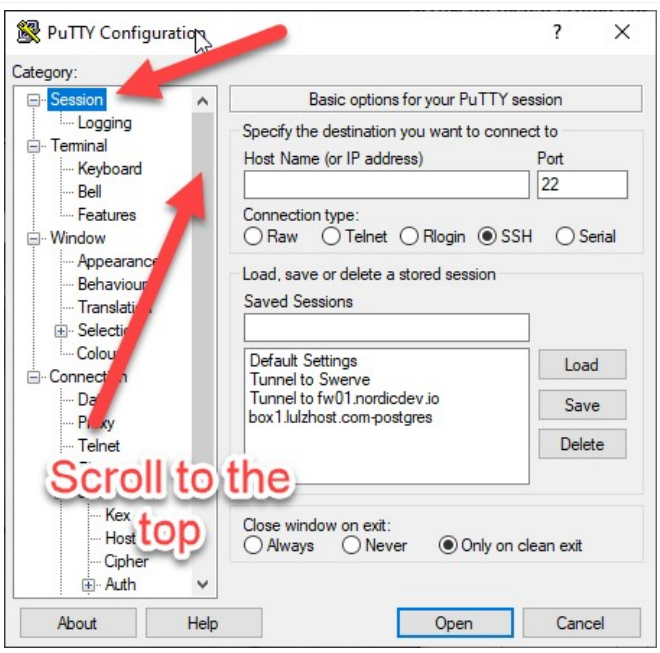
6. Make sure the `Local` and `Auto` radio buttons are selected, and click `Add`



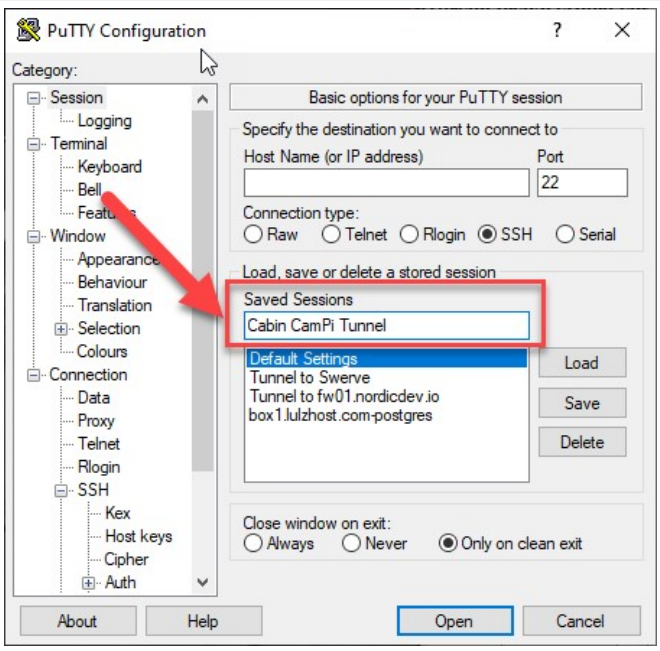
7. Verify that the new tunneling rule is added to the `Forwarded ports:` text area:



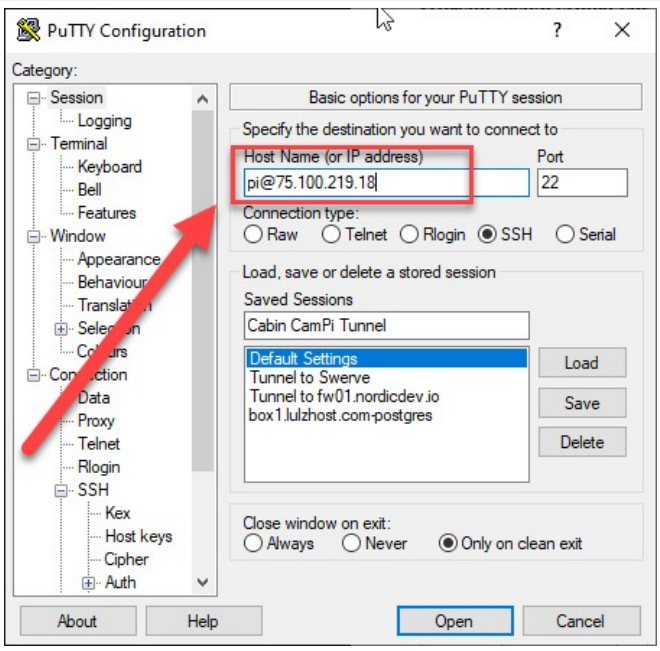
8. On the left menu, scroll to the top, and select the `Session` node:



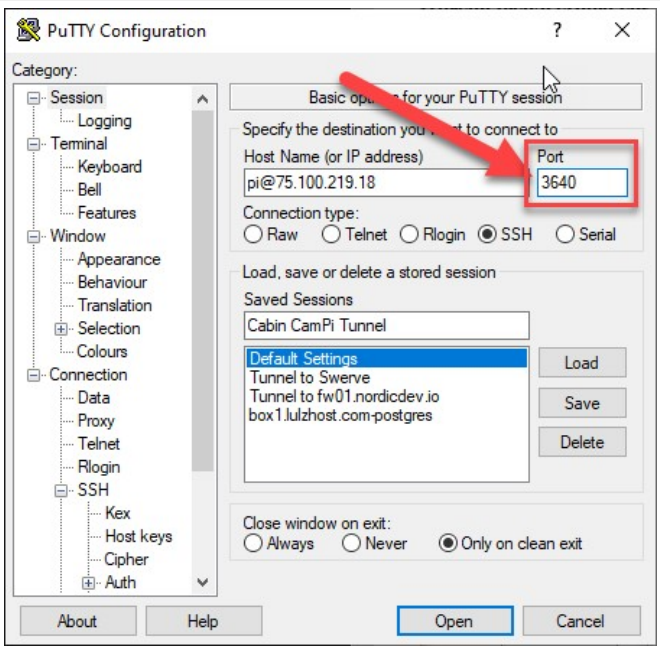
9. In the `Saved Sessions` text box, enter a name. In this example, I'm using `Cabin CamPi Tunnel`



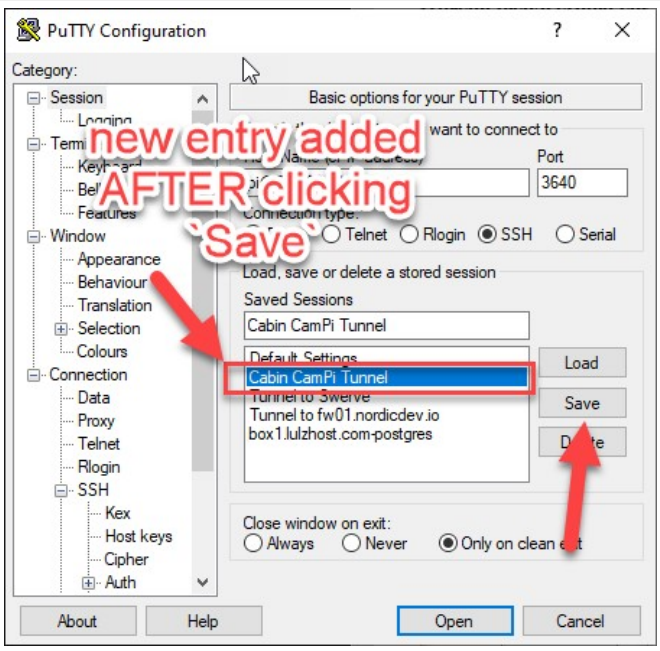
10. In the `Host Name (or IP address)` text box, enter your username, and the IP address (or domain) of the pi. If you're on the cabin LAN, you can use the LAN IP of the pi. If you're outside of the LAN, you can use the dyndns domain, or the IP address. In this example, I'll be using the current external public IP of the cabin (), and a username of `pi` .



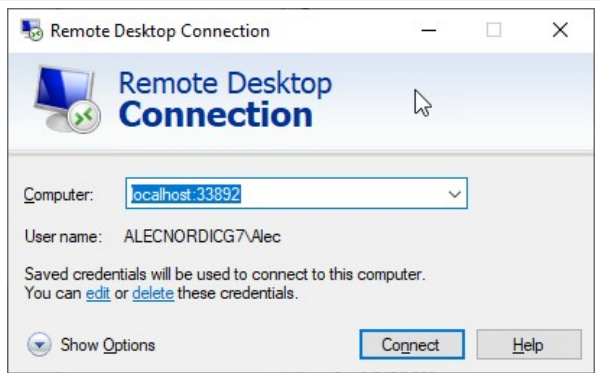
11. In the `Port` text box, enter the port that SSH is listening on, on the pi. Currently, that is 3640.



12. Click the `Save` button. A new entry should be added in the text area under `Saved Sessions`:



13. Double-click the newly created `Saved Session`. PuTTY will connect to the pi, and you'll be prompted for your password. Enter your password. Now you're logged in and the tunnel is created.
14. To RDP to PCCAM, make sure the tunnel is active (ensure the PuTTY session to the pi is active). Open up `Remote Desktop` on your Windows computer, and enter `localhost:33892` in the `Computer` text box. In this example, we set up port `33892` on the local machine. If you used a different local port, enter that port here instead of 33892.



15. Click the `Connect` button. You'll be prompted for your credentials - these are the credentials for PC CAM.

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Alec @alecpap removed (Doing) label 1 week ago