"Unable to contact the remote controller at 127.0.0.1:6653"

Mininet could not establish a connection with the Ryu controller so give me a way to fix it or give me the commands to use for an updated version of python

Ensure Ryu is Running with Python 3:

Explicitly use Python 3 to run the Ryu controller:

bash

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sudo python3 -m ryu.manager /path/to/ctrl.py

Verify that Ryu is installed for Python 3 using:

bash

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python3 -m pip show ryu

Check if Ryu is Listening on Port 6653:

Confirm that the Ryu controller is bound to port 6653:

bash

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sudo lsof -i :6653

Fix Python Compatibility:

Ensure both ctrl.py and normm.py scripts use Python 3-compatible syntax (e.g., replacing f-strings with .format() for Python <3.6).

Start Mininet with the Correct Controller Settings:

Update normm.py to specify the correct remote controller:

python

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controller = net.addController('c0', controller=RemoteController, ip='127.0.0.1', port=6653)

Run Mininet with:

bash

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sudo python3 normm.py

I have syntax issues with f-strings in normm.py

the script to use .format() instead of f-strings:

python

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switches = [self.addSwitch('s{}'.format(i)) for i in range(1, 7)]  
hosts = [self.addHost('h{}'.format(i)) for i in range(1, 19)]