Windows WSL2 - Extra Instructions

IMPORTANT: If you're using Kafka on Windows WSL2

Please run these instructions now, they will be helpful when connecting to Kafka with your Java programs in the programming section.

(this is to edge a [WSL2 networking bug](#) with Kafka, so we have to disable IPv6 on WSL2 to remediate)
First, stop Kafka and Zookeeper.

Then, please run these commands on your end on WSL2, one by one.

Your password will be prompted on the first command.

```
1. sudo sysctl -w net.ipv6.conf.all.disable_ipv6=1
```
and
```
1. sudo sysctl -w net.ipv6.conf.default.disable_ipv6=1
```

When the two commands have succeeded, relaunch Zookeeper and Kafka. You should be able to connect from your Java programs without a problem!

In case the fix above does not help

Try the fixes outlined in these pages:

- https://docs.conduktor.io/kafka-cluster-connection/setting-up-a-connection-to-kafka/connecting-to-kafka-running-on-windows-wsl-2

- https://stackoverflow.com/questions/64177422/unable-to-produce-to-kafka-topic-that-is-running-on-wsl-2-from-windows

If after using these fixes, you still can't connect Kafka, we recommend either:

- Running Kafka on Windows non-WSL2 (next lecture)

- Running Kafka using Conduktor

Happy learning!