**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](https://github.com/microsoft/WSL/issues/4851) 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!**