

# Debug IGB with Netbeans

Following the upgrade of IGB to use Java 21, there are additional steps to run IGB through Netbeans with a debugger:

## Start IGB through a terminal on Mac/Linux

```
sh run_igb.sh -d
```

## Start IGB through a terminal on Windows

```
sh run_igb.bat -d
```

In **Netbeans**, attach a debugger by going to **Debug > Attach Debugger...**

In the window that opens, enter the following values:

```
Debugger: Java Debugger (JPDA)
Connector: SocketAttach (Attaches by socket to other VMs)
Transport: dt_socket
Host: localhost
Port: 5005
```

Then click **OK**