

```
In [1]: versioninfo()
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Julia Version 1.5.0-beta1.0
Commit 6443f6c95a (2020-05-28 17:42 UTC)
Platform Info:
 OS: Linux (x86_64-pc-linux-gnu)
 CPU: Intel(R) Core(TM) i7-4770HQ CPU @ 2.20GHz
 WORD_SIZE: 64
 LIBM: libopenlibm
 LLVM: libLLVM-9.0.1 (ORCJIT, haswell)
Environment:
 JULIA_GPG = 3673DF529D9049477F76B37566E3C7DC03D6E495
 JULIA_VERSION = 1.5.0-beta1
 JULIA_PATH = /usr/local/julia
 JULIA_PKG_SERVER = https://pkg.julialang.org
```

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In [2]:
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Activating environment at `~/workshop/websockets_test_nootbook/Project.toml`
Updating registry at `~/julia/registries/General`
Resolving package versions...
No Changes to `~/workshop/websockets_test_nootbook/Project.toml`
No Changes to `~/workshop/websockets_test_nootbook/Manifest.toml`
Resolving package versions...
No Changes to `~/workshop/websockets_test_nootbook/Project.toml`
No Changes to `~/workshop/websockets_test_nootbook/Manifest.toml`
Resolving package versions...
No Changes to `~/workshop/websockets_test_nootbook/Project.toml`
No Changes to `~/workshop/websockets_test_nootbook/Manifest.toml`
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In [3]: ] st
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Status `~/workshop/websockets_test_nootbook/Project.toml`
 [cd3eb016] HTTP v0.8.16
 [739be429] MbedTLS v1.0.2
 [102dff8d] OpenTrick v0.2.1
 [104b5d7c] WebSockets v1.5.2
```

```
In [4]: using HTTP
using WebSockets
using Logging
```

```
In [5]: using WebSockets
serverWS = WebSockets.ServerWS(
  (req) -> begin
    @info "Got a http response, replying with 200"
    WebSockets.Response(200)
  end,
  (ws_server) -> begin
    writeguarded(ws_server, "Hello")
    @info ws_server
    @info "We said hello, and will wait for one message before start closing."
    @info "server received:" readguarded(ws_server)
    @info ws_server
    @info "A little unusually, we now start a closing protocol from the server side."
  end)
end
```

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Out[5]: WebSockets.ServerWS(handler=#1(req), wshandler=#2(ws_server))
```

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In [6]: ta = @async WebSockets.with_logger(WebsocketLogger()) do
  WebSockets.serve(serverWS, port = 54321)
  @info "The server has exited now."
end
```

```
Out[6]: Task (runnable) @0x00007eff7179c760
```

```
In [*]: WebSockets.with_logger(WebsocketLogger()) do
  WebSockets.open("ws://127.0.0.1:54321") do ws_client
    @info "client connected." ws_client
    data, success = readguarded(ws_client) # will hang with really high possibility!
    @info "client received: " data
    @info "read success: " success
  end
  @info "The client has exited now"
end
```

```
r Info: client connected.
└ ws_client = WebSocket{TCPSocket}(client, CONNECTED): paused
[ Info: WebSocket(server, CONNECTED)
[ Info: We said hello, and will wait for one message before start closing.
```