

bullhorn Design

Network

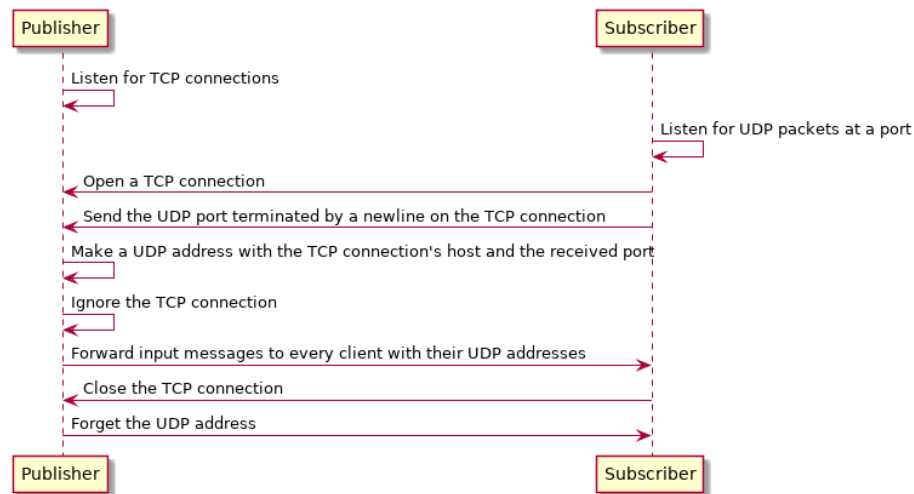


Figure 1: Sequence Diagram

Programs

Publisher

```
./publish <port>
```

Runs `publish` which publishes newline-delimited messages from `STDIN` to subscribers received on `<port>`.

Subscriber

```
./subscribe <port> <publish_host> <publish_port>
```

Runs `subscribe` which prints messages to `STDOUT` published from `publish` running at the `<publish_host>` and `<publish_port>`.

An option is also provided to attempt to automatically reconnect to `bullhorn/publish` after a disconnect.

Examples

Machine 1 (192.168.1.50):

```
./publish 5050
```

Machine 2 (192.168.1.80):

```
./subscribe 8080 192.168.1.50 5050
```

Machine 3 (192.168.1.81):

```
./subscribe 8081 192.168.1.50 5050
```

Machine 1 (192.168.1.50):

```
< message1
```

```
< message2
```

Machine 2 (192.168.1.80):

```
message1
```

```
message2
```

Machine 3 (192.168.1.81):

```
message1
```

```
message2
```