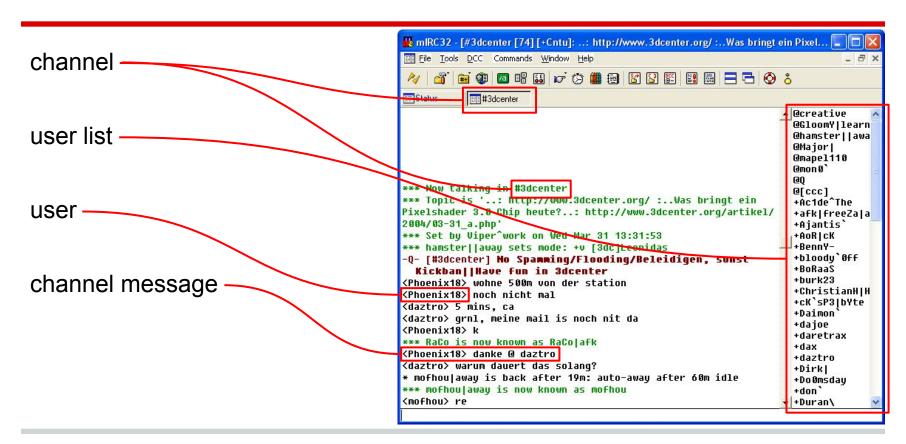
Ruby Monstas



Session 12

Project: IRC Bot

IRC



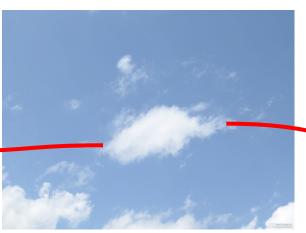
Client / Server Networking

Client

Internet (the "Cloud")

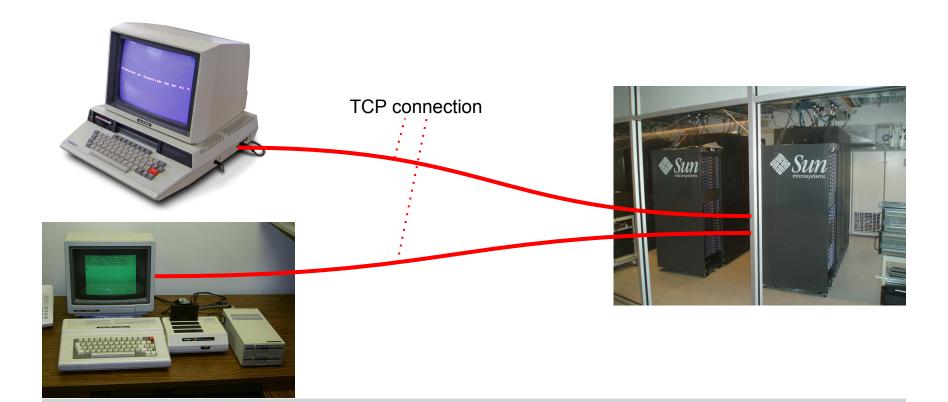
Server







Client / Server Networking



```
# A method that sends an IRC-protocol message to the server and also puts it to the terminal
def irc_send(message)
puts("Sending: #{message}")

# We can call "puts" on the socket we opened earlier. Instead of outputting something on the
# terminal, this will send the message accross the internet to the IRC server we are connected to
@socket.puts(message)
end
```

```
53 -
     def run
54
       connect
55
56 -
       until @socket.eof? do
57
         message = @socket.gets
58
59
         puts message
60
61 -
         if message.start_with?("PING")
62
           handle_ping_message(message)
63 +
         elsif message.include?("PRIVMSG #{@channel}")
           handle_channel_message(message)
64
65 -
         elsif !@joined && message.include?("MODE #{@name}")
66
           irc_send_join(@channel)
67
           @joined = true
68
         end
69
       end
70
     end
```

```
def run
connect

socket: a connection to the IRC server

until @socket.eof? do
message = @socket gets

puts message
```

```
53 -
     def run
54
       connect
55
                                      :nethad!83.78.226.54 JOIN #rubymonstas
56 -
       until @socket.eof? do
57
         message = @socket.gets
58
59
         puts message
60
61 -
         if message.start_with?("PING")
           handle_ping_message(message)
62
63 +
         elsif message.include?("PRIVMSG #{@channel}")
           handle_channel_message(message)
64
65 -
         elsif !@joined && message.include?("MODE #{@name}")
66
           irc_send_join(@channel)
67
           @joined = true
68
         end
69
       end
70
     end
```

```
53 -
     def run
54
       connect
55
                                      :nethad!83.78.226.54 PART #rubymonstas
56 -
       until @socket.eof? do
57
         message = @socket.gets
58
59
         puts message
60
61 -
         if message.start_with?("PING")
           handle_ping_message(message)
62
63 +
         elsif message.include?("PRIVMSG #{@channel}")
           handle_channel_message(message)
64
65 -
         elsif !@joined && message.include?("MODE #{@name}")
66
           irc_send_join(@channel)
67
           @joined = true
68
         end
69
       end
70
     end
```

```
53 -
     def run
54
       connect
55
                                      :nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?
56 -
       until @socket.eof? do
57
         message = @socket.gets
58
59
         puts message
60
61 -
         if message.start_with?("PING")
           handle_ping_message(message)
62
63 +
         elsif message.include?("PRIVMSG #{@channel}")
           handle_channel_message(message)
64
65 -
         elsif !@joined && message.include?("MODE #{@name}")
66
           irc_send_join(@channel)
67
           @joined = true
68
         end
69
       end
70
     end
```

```
53 +
     def run
54
       connect
55
                                      :nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?
56 +
       until @socket.eof? do
57
         message = @socket.gets
58
59
         puts message
60
61 -
         if message.start_with?("PING")
           handle_ping_message(message)
62
63 +
         elsif message.include?("PRIVMSG #{@channel}")
           handle_channel_message(message)
64
65 -
         elsif !@joined && message.include?("MODE #{@name}")
66
           irc_send_join(@channel)
67
           @joined = true
68
         end
69
       end
70
     end
```

```
78  def handle_channel_message(message)
79
80  end
```

```
:nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?

def handle_channel_message(message)

end

end
```

```
inethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?

def handle_channel_message(message)
   if react_to_message?
   irc_send("some IRC client message")
   end
end
end
```

```
:nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?
      def handle_channel_message(message)
79 -
        if react_to_message?
           irc_send("some IRC client message")
80
81
        end
82
      end
             PRIVMSG #rubymonstas :i'm reacting to the message!
```

```
:nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?
     def handle channel message(message)
79
        message_parts = extract_message(message)
80 -
        if react_to_message?
81
          send to channel("hello!")
       elsif message_parts["sender"] == "nethad-bot"
82 -
          send_to_channel("hi nethad's bot!")
83
84
        end
85
     end
```

```
:nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?
      def handle channel message(message)
79
        message_parts = extract_message(message)
        if react\
80 -
                    nessage?
                       nel("hello!")
81
          send to
        elsif mess
                           ts["sender"] == "nethad-bot"
82 -
                                 nethad's bot!")
83
          send_to_
84
        end
85
      end
           {"sender" => "nethad", "channel" => "#rubymonstas", "message" => "what's up?"}
```

```
:nethad!83.78.226.54 PRIVMSG #rubymonstas :what's up?
      def handle channel message(message)
79
        message_parts = extract_message(message)
80 -
        if react_to_message?
81
          send to channel("hello!")
        elsif message_parts["sender"] == "nethad-bot"
82 -
          send_to_channel("hi nethad's bot!")
83
84
        end
85
      end
           how should def send_to_channel look like?
```

That's it! Happy Hacking!

Just do it!