VM1:

1. Security Group definition: example for VM1 only:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

i). Connectivity to VM1 from my laptop with SSH

A screenshot of a computer

Description automatically generated with medium confidence

ii). Connectivity to VM1 from my laptop with ping and traceroute:

A picture containing text, screenshot, font

Description automatically generated

A computer screen with white text

Description automatically generated with low confidence

VM2

**Security Group definition:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

i). Connectivity the laptop to webservers on VM2 ports 8081 and 8082:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

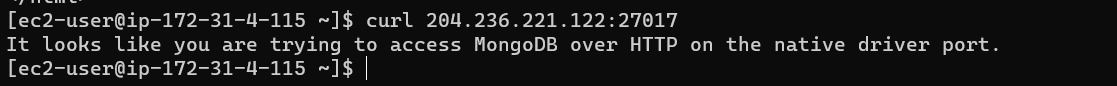
Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence



A screen shot of a computer program

Description automatically generated with low confidence

**HTTP traffic analysis with Wireshark:**

How does your PC start the conversation?

Source IPv4: 204.236.221.122 | Destination IPv4 : 192.168.5.16

Source Port: 62229 | Destination Port: 27017

TCP messages: ACK, SYN, FIN, ACK

A screenshot of a computer

Description automatically generated with medium confidence

VM3

**Security Group definition:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

i). Connectivity the laptop to webservers on VM3 ports 8083 and 8084

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

A picture containing screenshot, text, display, software

Description automatically generated

A computer screen with white text

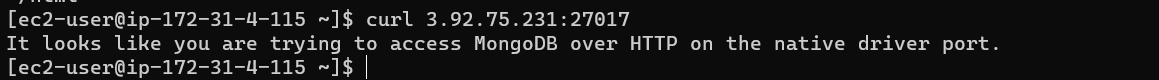
Description automatically generated with low confidence

A computer screen with white text

Description automatically generated with low confidence

A computer screen with white text

Description automatically generated with low confidence



A screen shot of a computer

Description automatically generated with medium confidence

Clean up :

A screenshot of a computer

Description automatically generated