



Lembar Jawaban
Assignment - A03

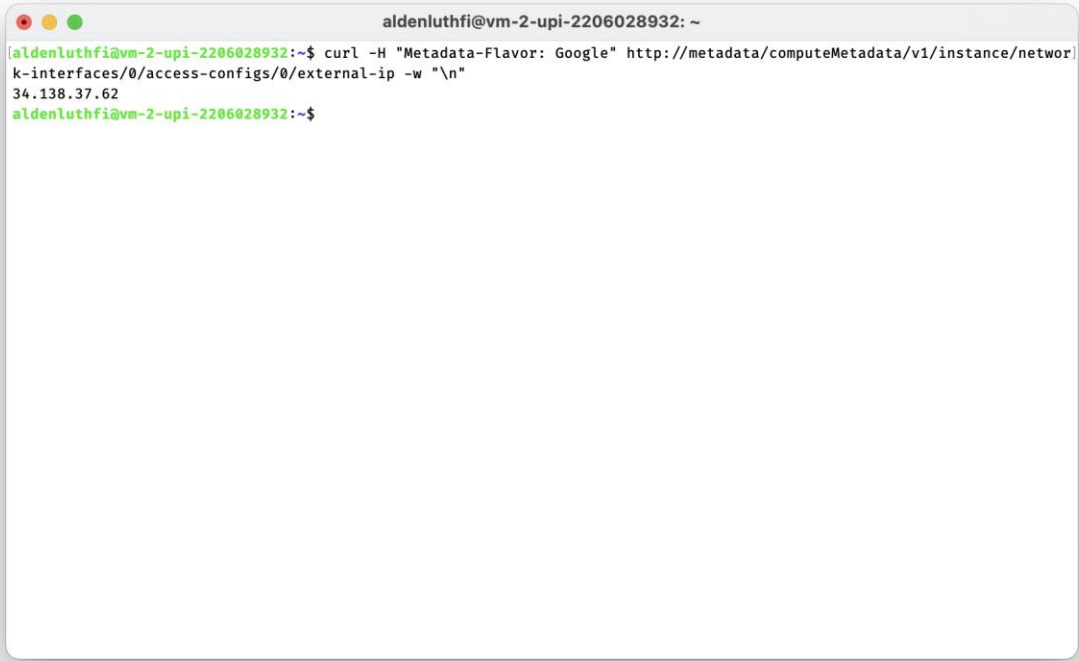
Webserver (Programming)

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NPM : 2206028932

[40 poin] Self-Testing

Alokasi Instance

Role	Nama Instance	Alamat IP Publik
Client	vm-1-upi-2206028932	35.194.45.88
Screenshot:		
 A screenshot of a terminal window with a title bar that reads 'aldenluthfi@vm-1-upi-2206028932: ~'. The terminal shows a green prompt 'aldenluthfi@vm-1-upi-2206028932:~\$' followed by the command 'curl -H "Metadata-Flavor: Google" http://metadata/computeMetadata/v1/instance/network-interfaces/0/access-configs/0/external-ip -w "\n"'. The output of the command is '35.194.45.88'. Below the output, there is another green prompt 'aldenluthfi@vm-1-upi-2206028932:~\$' followed by a cursor.		
Server	vm-2-upi-2206028932	34.138.37.62
Screenshot:		



A terminal window titled "aldenluthfi@vm-2-upi-2206028932: ~" displays a command and its output. The command is `curl -H "Metadata-Flavor: Google" http://metadata/computeMetadata/v1/instance/network-interfaces/0/access-configs/0/external-ip -w "\n"`. The output is `34.138.37.62`.

```
aldenluthfi@vm-2-upi-2206028932: ~  
aldenluthfi@vm-2-upi-2206028932:~$ curl -H "Metadata-Flavor: Google" http://metadata/computeMetadata/v1/instance/network-interfaces/0/access-configs/0/external-ip -w "\n"  
34.138.37.62  
aldenluthfi@vm-2-upi-2206028932:~$
```

Hasil Eksekusi Tes

Test Code	Screenshot Eksekusi
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01

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://34.138.37.62:8932/
input the data type: text/html
Status Code: 200
Body: <html><body><h1>Halo, dunia! Aku Upi</h1></body></html>
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

02a

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
█
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/greet/2206028932
input the data type: application/json
Status Code: 200
Body: {"Student":{"Nama":"Upi","Npm":"2206028932"},"Greeter":"Upi"}
Parsed: {{Upi 2206028932} Upi}
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

02b

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
█
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/greet/2206028932
input the data type: application/xml
Status Code: 200
Body: <GreetResponse><Student><Nama>Upi</Nama><Npm>2206028932</Npm></Student><Greeter>Upi</Greeter></GreetResponse>
Parsed: {{Upi 2206028932} Upi}
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

02c

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/greet/2206028923
input the data type: application/json
Status Code: 404
Body:
Parsed: { }
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

03a

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
█
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/greet/2206028932?name=KapIpu
input the data type: application/json
Status Code: 200
Body: {"Student":{"Nama":"Upi","Npm":"2206028932"},"Greeter":"KapIpu"}
Parsed: {{Upi 2206028932} KapIpu}
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```


03b

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
█
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/greet/2206028932?name=KapIpu
input the data type: application/xml
Status Code: 200
Body: <GreetResponse><Student><Nama>Upi</Nama><Npm>2206028932</Npm></Student><Greeter>KapIpu</Greeter></GreetResponse>
Parsed: {{Upi 2206028932} KapIpu}
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

03c

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
[]
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/greet/2206028923?name=KapIpu
input the data type: application/json
Status Code: 404
Body:
Parsed: {} } }
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

04

```
aldenluthfi@vm-2-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-2-upi-2206028932:~/a03-source-code$ go run server/server.go
Server Listening on 10.142.0.2:8932
Waiting for client ...
Client accepted
```

```
aldenluthfi@vm-1-upi-2206028932: ~/a03-source-code
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$ go run client/client.go
input the url: http://10.142.0.2:8932/lainnya
input the data type: text/html
Status Code: 404
Body:
aldenluthfi@vm-1-upi-2206028932:~/a03-source-code$
```

[60 poin] Penilaian Grader

Anda tidak perlu melakukan apapun, selain mengumpulkan code Anda ke submisi SCellE.