

HTTP Basics Quiz

Total points **7/7** ?

Dear Student!

At the end of the block, we encourage you to take the knowledge test by yourself. The results are only for you, they will help you verify the extent to which knowledge has been acquired by you.

After completing the test, you will receive point information and comments explaining correct and incorrect answers.

Good luck!
SDA team

0 of 0 points

Name and surname *

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Quiz questions

7 of 7 points

✓ What program would you use to send a POST request? *

1/1

☒ CURL



☐ Wireshark

☐ Telnet

☐ CMD

Feedback

Telnet is a type of network protocol to support a remote terminal in a client-server architecture. It is required to connect to have a shell account on the remote machine to

which you want to connect.

CURL is a network library run on the client side for sending HTTP queries.

Wireshark is one of the available applications for monitoring network traffic.

CMD is a program for running subsequent programs.

✓ Which of the following features does not represent REST architecture? * 1/1

- ☐ REST is described by a 4-level so-called Richardson Maturity Model Maturity Model
- ☒ Does not support cache ✓
- ☐ REST architecture is stateless
- ☐ The basic format for data exchange is JSON

Feedback

HTTP messages exchanged by the client-server in the REST architecture are most often in JSON (JavaScript Object Notation) format, less often in XML.

REST is stateless - each client request must contain a complete set of information and no status information should be stored on the server side.

Richardson Maturity Model - 4-level RESTful architecture maturity model (lev.0 - the lowest level, 4 - the highest level of maturity)

Of course, REST supports cache - when designing architecture, we can specify which answers are to be cached and which are not.

✓ Which network usually covers the smallest area? * 1/1

- ☐ WAN
- ☒ LAN ✓
- ☐ MAN
- ☐ DAN

Feedback

WAN - this is the largest area network covering the whole world.

LAN - this is the smallest area network covering an office or building.

MAN - this is a metropolitan network, i.e. a city or several cities lying close to each other.

DAN - there is no such concept when it comes to network types.

✓ Which HTTP response code families relate to client error handling? * 1/1

☐ 3xx

☒ 4xx ✓

☐ 2xx

☐ 5xx

Feedback

2xx - confirmation of the successful implementation of the HTTP request

3xx - returns information about resource redirection

4xx - applies to error handling on the client side, e.g. 404 - the resource does not exist

5xx - applies to server-side error handling, e.g. 500 - internal server error

✓ What level of RESTful API maturity does HATEOAS represent? * 1/1

☐ Level 2

☐ Level 0 (lowest)

☒ Level 3 (highest) ✓

☐ Level 1

Feedback

HATEOAS, i.e. self-documenting API - the highest degree of maturity REST API.

Level 2 - Many resources, many verbs (HTTP methods)

Level 1 - Many resources, one verb (e.g. POST)

Level 0 - One resource, one verb (e.g. POST)

✓ Which HTTP method will you fit to the definition: *

1/1

Does not contain body, Supports cache, Is idempotent (one that has the same effect as one-time use (action)), Returns data from the specified resource.

☐ DELETE

☐ POST

☐ OPTIONS

☒ GET



Feedback

POST - is most often used to create a new resource, it is not idempotent, if it contains appropriate headers, it can be cached.

GET - Used to retrieve data from a resource, supports cache and is idempotent, does not contain body.

DELETE - should be used to try to delete a given resource, is idempotent and does not support cache.

OPTIONS - Indicates what methods are supported by the server, most commonly used in the CORS context.

✓ Which parameter is not present in the ping command in Windows? *

1/1

☐ -t

☐ -n

☒ -p



☐ -l

Feedback

- t - sets an unlimited number of repetitions of requests sent to the server we ping.
- n - specifies the number of repetitions of requests sent to the server we ping.
- p - this could be a port, but this parameter does not exist in Windows.
- l - specifies the packet size.

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