

1. Why is communicating over HTTPS more secure than HTTP?

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- ☐ Both client- and server-side are encrypted but decryption is not performed.
- ☒ Encryption and decryption are performed both on the client- and server-side.
- ☐ There is only server-side encryption and client-side encryption
- ☐ There is client-side encryption and server-side decryption

☒ Correcto
Correct! HTTPS is secure which means that there is encryption for data exchanged both at client- and server-side which can also be decrypted.

2. Which of the following HTTPS methods is used to partially update data?

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- ☐ PUT
- ☐ GET
- ☒ PATCH
- ☐ POST

☒ Correcto
Correct! PATCH is used to partially updating a resource.

3. Which of the following HTTP status codes inside the response header indicate server-side errors?

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- ☐ 400-499
- ☐ 300-399
- ☐ 100-199
- ☒ 500-599

☒ Correcto
Correct! The status codes mentioned are used to indicate server-side errors to the client inside the response headers.

4. RESTful APIs are considered to be stateless. What this means is the state is saved _____.

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- ☒ Only with the client
- ☐ On neither the client- nor server-side
- ☐ Both on client and server

☐ Only on the server

☒ Correcto

Correct! The server does not contain any state of the API client making the request and cannot identify who is making the request.

5. Which of the following can be a layer in the RESTful API communication system that data encounters while being passed between the client and server? Select all that apply.

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☐ Headers

☒ Firewall

☒ Correcto

Correct! Firewalls are security systems over the network that help control and monitor the network traffic between the client and server based on security rules.

☒ Load balancer

☒ Correcto

Correct! Load balancers help in the efficient distribution of network traffic before the requests from client reach the server.