BL0-100^{Q&As}

Nokia Bell Labs End-to-End 5G Foundation

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QUESTION 1

Which of the following is not a part of an E2E Network Slice?

A. Cloud Slice

B. Core Slice

C. Access Slice

D. Transport Slice

Correct Answer: A

QUESTION 2

In terms of scalability, flexibility, and capacity, which of the following would overcome 4G limitations?

A. Service based architecture, stateless network functions, Cloud-ready network functions and modular network functions.

B. Client/Server architecture, stateless network functions, Cloud-ready network functions and modular network functions.

C. Client/Server architecture, Cloud-ready network functions, and modular network functions.

Correct Answer: B

QUESTION 3

What is the best solution for deploying an optimal network function distribution?

A. Using duplicated Virtual Network Functions

B. Using Virtual Network Functions to control the routing

C. Using Virtual Network Functions orchestrated across various Cloud Data Centers

D. Using Virtual Network Functions in Access

Correct Answer: C

QUESTION 4

You are working in a logistics company. Your manager is telling you that automation is very important to create more opportunities for the company. His idea is to deliver parcels using drones. With this in mind, he asks you if a 4G network provides good connectivity for controlling the delivery drones. How would you answer him and why?

A. Yes, 4G provides a connectivity network but, it is quite expensive. WIFI may be a preferable option.

B. No, a 4G network is not a good choice for drone control because big operators (with whom we cannot deal) mainly deliver it.

C. No, a 4G network cannot deliver the required connectivity. It is not able to guarantee the latency and reliability required for drone control.

D. Yes, the drone control application can be hosted in the cloud and the 4G network can provide the speed needed to reach the application and control the drones.

Correct Answer: D

QUESTION 5

What is the purpose of the secondary authentication feature?

A. To improve authentication between the User Equipment and the 5G Core.

B. To improve authentication when connecting to different network slices.

C. To authenticate the User Equipment coming from an untrusted non-3GPP access (N3IWF).

D. To authenticate the User Equipment with an external data network.

Correct Answer: A

QUESTION 6

Which of the following defines a vertical Network Slice?

A. When it serves a given customer for a specific purpose, such as a national energy network.

B. When it cross all the network layers from the radio up to the core.

C. When it serves a given common purpose, for a use case with a defined QoS (eg a use case in transportation, in energy).

D. When it operates on the same layer of the ISO/OSI model.

Correct Answer: A

Reference: https://www.gsma.com/futurenetworks/wp-content/uploads/2018/06/Network-Slicing-UseCase-Requirements-_-FInal-.pdf

QUESTION 7

Which of the following are 4G limitations that justify a roll-out to 5G? (Choose three.)

A. Low peak and end-user-experience throughput

B. Low reliability

C. High latency

D. Beamforming is not supported

Correct Answer: ABC

Reference: https://www.raconteur.net/technology/5g/4g-vs-5g-mobile-technology/

QUESTION 8

What is the Unstructured Data Storage Function (UDSF)?

A. This network function exposes 5G Core Network functionalities available to 3rd parties, so that 3rd party capabilities and events may be securely exposed by the Network Exposure Function (NEF).

B. This network function is part of data repositories in the Common Data Layer. It stores 3GPP standardized data.

C. This network function is part of data repositories in the Common Data Layer and in opposition to the UDR, it stores non-standardized ?Unstructured ?data.

D. This network function stores or retrieves subscriptions, profiles, and authentication data to or from the data repositories. It offers services to the AMF, SMF, NEF and AUSF using the Service Based Interface.

Correct Answer: A

Reference: https://webthesis.biblio.polito.it/12557/1/tesi.pdf

QUESTION 9

When considering Cloud and Transport orchestration, evaluate whether the following statement is true or false: NFVO is to Cloud what SDN is to Transport.

A. False

B. True

Correct Answer: A

QUESTION 10

A company is planning to offer services to different cities worldwide so drones can be used to scan disaster areas to help identify victims\\' locations quickly, organize evacuations efficiently, and save lives. Drones will be connected to a 5G network. The company is planning to offer two applications running in the cloud ?one to manage drones through remote control while the other offers live video streaming to drone operators. As a 5G professional, you are asked what are the network requirements for those two applications?

A. The drone control application needs very low latency to maneuver around obstacles, while the video application would need less latency. Both applications would be running in the central cloud.

B. The drone control application needs low latency and high reliability from the network and should run in the edge cloud. The video application needs higher throughput but it is not sensitive from the latency and reliability point of view. It can run in a central cloud.

C. Both applications should run in the edge cloud because the drone control and video applications both require low latency and high reliability from the network.

D. The drone control application should run through a central cloud. The video streaming application should run in the edge cloud because it carries much data, and that is expensive to run through the central cloud.

Correct Answer: B

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