



# BL0-100<sup>Q&As</sup>

Nokia Bell Labs End-to-End 5G Foundation

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### QUESTION 1

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>

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### QUESTION 2

What does 5G bring to Industry 4.0? (Choose two.)

- A. 5G will generate a huge amount of data and Information Technology will provide the computing platform with analytics and AI.
- B. 5G provides the connectivity (bandwidth, latency and reliability) needed to exchange data for OT and IT functionality.
- C. 5G brings nothing to Industry 4.0.
- D. 5G will generate a huge amount of data with mMTC and IT platforms are expected to suffer from this.

Correct Answer: AB

Reference: <https://www.google.com/url?sa=t&andrcct=j&andq=andescr=sandsource=webandcd=andved=2ahUKEwuj3MSz5eTvAhUUQEEAHVYtAJkQFjAAegQIAxADandurl=https%3A%2F%2Fwww.mdpi.com%2F2673-4001%2F1%2F1%2F5%2Fpdfandusg=AOvVaw2pcAzrM3BgCPfsBYztcsA>

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### QUESTION 3

What is the main benefit of Cloud RAN?

- A. Increased cell coverage
- B. Better latency
- C. Reduced cost by centralizing some radio functionalities
- D. Increase radio throughput



Correct Answer: D

Reference: <https://www.fujitsu.com/us/Images/CloudRANwp.pdf> (4)

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#### QUESTION 4

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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#### QUESTION 5

Imagine that you are defining the 5G network requirements for the Industrial Automation of a port, what is the set of 5G technology enablers and horizontal applications that makes sense?

- A. Automation of cargo handling and integration with the logistics chain is an Autonomous Container Transport vehicles that requires 5G NR, Edge cloud and High SLA slices.
- B. Automation of cargo handling and integration with shorter ship turnaround times through improved predictability of operations is a video inspection system of important large infrastructure that requires 5G NR, FWA and High SLA slices.
- C. Automation of cargo handling and integration with the logistics chain is an Autonomous Container Transport vehicles that requires 5G NR, central cloud and FWA.
- D. Automation of cargo handling and integration with shorter ship turnaround times through improved predictability of operations is a video inspection system of important large infrastructure that requires 5G NR and central cloud.

Correct Answer: A