4A0-M10^{Q&As}

Nokia 5G Packet Core Architecture

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QUESTION 1

Which of the following actions is performed when an idle UE moves from 5GS to EPS and the N26 interface is used?

A. UE initiates an Attach procedure and includes an EPS-GUTI derived from its 5G-GUTI.

B. For any PDU session that supports interworking, the serving SMF provides an SM context that includes mapped EPS bearers to the AMF.

C. AMF selects an SGW to serve the UE, and then sets up the required S5-U and S5-C GTP tunnels on the selected SGW.

D. AMF uses the EPS-GUTI derived from the UE 5G-GUTI to discover the MME, and then provides the UE context to the MME.

Correct Answer: C

QUESTION 2

Which of the following is NOT an advantage of the 5GS service-based architecture?

A. Application programming interfaces (APIs) are used to invoke services.

B. Service-based interfaces are point-to-point.

C. The service-based architecture enables flexible addition of new network functions and services.

D. Service producers are not aware of service consumers.

Correct Answer: C

QUESTION 3

Which of the following is an HTTP method used by an NF service consumer to create a new resource at an NF service producer when the resource URI is selected by the consumer?

A. POST

B. PUT

C. PATCH

D. UPDATE

Correct Answer: B

Reference: https://www.tech-invite.com/3m29/toc/tinv-3gpp-29-501_c.html

QUESTION 4

Which of the following statements most accurately describes the SDF templates used in 5G?

A. SDF templates are used by UE to map uplink traffic to QoS Flows.

B. SDF templates are used by NG-RAN to map QoS Flows to data radio bearers.

C. SDF templates are used by NG-RAN to map QoS Flows to N3 GTP-U tunnels.

D. SDF templates are used by UPF to map downlink traffic to QoS Flows.

Correct Answer: D

Reference: https://ec.europa.eu/research/participants/documents/downloadPublic?
documentIds=080166e5b9aa8c49andappId=PPGMS

QUESTION 5

A UE triggers an initial registration procedure to use services offered by a 5G network. Which of the following actions is NOT performed as a result of this procedure?

A. AMF interacts with AUSF to authenticate the UE.

B. AMF interacts with PCF to create an AM (access and mobility) policy association.

C. AMF retrieves the UE AM (access and mobility) and SM (session management) data from UDM.

D. AMF allocates a 5G-GUTI and includes it in the Registration Accept message sent to UE.

Correct Answer: C

Reference: https://www.sciencedirect.com/topics/engineering/registration-area

QUESTION 6

In which of the following scenarios is the Service Request procedure performed?

A. A deregistered UE needs to register with the network.

B. A registered UE receives a paging request from the network.

C. A registered UE needs to establish a new PDU session.

D. A deregistered UE needs to connect to the network using non-3GPP access.

Correct Answer: C

QUESTION 7

Which of the following statements about the 5G-globally unique temporary identity (5G-GUTI) is FALSE?

A. The 5G-GUTI provides a clear identification of the UE without revealing the UE permanent identity.

B. The 5G-GUTI contains an element identifying the AMF which allocated it.

C. The 5G network pages an idle UE using its 5G-GUTI.

D. During the initial registration procedure, the AMF allocates a 5G-GUTI and sends it to the UE.

Correct Answer: A

QUESTION 8

Which of the following statements about Option 3X dual connectivity is FALSE?

A. VoLTE traffic is handled by the LTE network.

B. Dual connectivity is used for high throughput services such as eMBB.

C. When NR radio quality becomes sub-optimal, gNB decides to split the bearer.

D. Both eNB and gNB are connected with S1-U interfaces to SGW.

Correct Answer: A

QUESTION 9

Which of the following statements about non-access stratum mobility management (NAS-MM) protocol is TRUE?

A. It runs between the UE and the SMF.

B. It is used to control user plane resources between the UE and a data network.

C. It provides common procedures such as authentication, identification, and UE configuration update.

D. NAS-MM messages are relayed transparently by the AMF.

Correct Answer: C

QUESTION 10

Which of the following does NOT apply to an idle UE in MICO mode?

A. The UE performs registration updates.

B. The UE connects to the network to send uplink data.

C. Power and signaling efficiency is optimized for the UE.

D. The UE listens and responds to paging.

Correct Answer: D

Reference: https://blog.3g4g.co.uk/2020/07/mobile-initiated-connection-only-mico.html