

1. C.Packets, adalah istilah yang pertama kali diciptakan oleh Donald Davies pada tahun 1965 yang digunakan untuk menggambarkan segmen data yang dikirim dari satu komputer atau perangkat ke komputer lain melalui jaringan. Anda bisa menganggapnya sebagai paket yang berisi data yang dikirim ke area lain. Sebuah paket digunakan karena membagi data menjadi lebih mudah diatur "potongan", yang memindahkan informasi secara lebih efisien dan menjaga sumber daya jaringan agar tidak diikat oleh file tunggal yang lebih besar. Paket berisi sumber, tujuan, data, ukuran, dan informasi bermanfaat lainnya yang membantu paket membuatnya ke lokasi yang sesuai dan dikonfigurasi kembali dengan benar.

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Chapter 3 Quiz

Question 1:
Which protocol data units are forwarded by a router?

bits
 frames
 packets
 segments

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3 Local Area Networks (LANs) Quiz

Roll over the numbered buttons on the left to view the quiz questions.
Click in the square next to the correct option to answer a question.
Correct answers are marked with a blue checkmark, while incorrect answers are marked with a red X in place of the question number.

2. A.MAU, Unit Akses Media (MAU), yang juga dikenal sebagai Multistation Access Unit (MAU atau MSAU) adalah alat untuk melampirkan beberapa stasiun jaringan dalam topologi bintang sebagai jaringan token ring, yang dihubungkan secara internal untuk menghubungkan stasiun ke ring logis (umumnya pasif yaitu non-

switched dan unmanaged, namun berhasil MAU token ring memang ada dalam bentuk CAUs, atau Controlled Access Units). Cincin token pasif adalah produk jaringan IBM yang aktif pada kerangka waktu 1997, setelah itu dengan cepat dipindahkan oleh jaringan yang diaktifkan.

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The screenshot shows the Cisco Networking Academy Program interface for a Chapter 3 Quiz. The page title is "Cisco Networking Academy Program" and "CCNA 1: Networking Basics". The main heading is "Chapter 3 Quiz". On the left, there is a vertical list of numbered buttons from 1 to 8, with button 2 highlighted. Below the buttons, the question text reads: "Question 2: What device performs the role of a hub in a token-ring network?". There are four radio button options: MAU, router, switch, and repeater. The right side of the interface shows a navigation bar with "3 Local Area Networks (LANs)" and "Quiz". Below this, there are instructions: "Roll over the numbered buttons on the left to view the quiz questions. Click in the square next to the correct option to answer a question. Correct answers are marked with a blue checkmark, while incorrect answers are marked with a red X in place of the question number." At the bottom, there is a footer with "CCNA 1 - Chapter Menu" and navigation icons for Review, Index, Quiz, Glossary, Back, and Next.

3. D. An extended star, Jenis topologi jaringan di mana jaringan yang didasarkan pada topologi bintang fisik memiliki satu atau beberapa repeater antara simpul tengah dan nodus perifer atau 'berbicara', repeater digunakan untuk memperpanjang jarak transmisi maksimum titik-ke-titik - menunjukkan hubungan antara node pusat dan node perifer di luar yang didukung oleh daya pemancar dari simpul sentral atau di luar yang didukung oleh standar dimana lapisan fisik jaringan bintang fisik berbasis.

Jika repeater di jaringan yang berbasis topologi bintang diperpanjang secara fisik diganti dengan hub atau switch, maka topologi jaringan hibrid dibuat yang disebut sebagai topologi bintang hirarkis fisik, walaupun beberapa teks tidak membuat perbedaan antara dua topologi.

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Cisco Systems Cisco Networking Academy Program
CCNA 1: Networking Basics

Chapter 3 Quiz

Question 3:
What is the topology if one central hub has four hubs connected to it, and each of those four hubs has four workstations attached?

- a bus
- a ring
- a star
- an extended star

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3 Local Area Networks (LANs) Quiz

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Click in the square next to the correct option to answer a question.
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Review Index Quiz Glossary Back Next

4. A. They deal only with bits, Lapisan fisik mencakup hal-hal seperti kabel dan hub. Hub benar-benar tidak peduli dengan pengalaman apa pun yang terjadi di antara host yang terhubung. Sebuah hub hanya mengeluarkan komunikasi ke semua port karena tidak memiliki kemampuan untuk menyaring alamat Media Access Control (MAC). Itu membuat jaringan menjadi cerewet karena semua host harus memproses semua lalu lintas di jaringan dan host harus menunggu kemampuan berkomunikasi kecuali ada tabrakan, lalu mereka memulai kembali lagi. Aspek tabrakan hub adalah mengapa kita tidak sering melihat hub yang sering digunakan,

The screenshot shows the Cisco Networking Academy interface for a quiz. On the left, a vertical list of buttons numbered 1 through 8 is visible, with button 4 highlighted. The main content area displays "Chapter 3 Quiz" and "Question 4: Which of the following is a reason that hubs are considered Layer 1 devices?". Below the question are four radio button options: "They deal only with bits.", "They encode data as bits.", "They control access to the shared media.", and "They perform parity checks on the bit stream." On the right side, a sidebar titled "3 Local Area Networks (LANs) Quiz" provides instructions: "Roll over the numbered buttons on the left to view the quiz questions. Click in the square next to the correct option to answer a question. Correct answers are marked with a blue checkmark, while incorrect answers are marked with a red X in place of the question number." At the bottom, there is a navigation bar with icons for Review, Index, Quiz, Glossary, Back, and Next, along with a "CCNA 1 - Chapter Menu" dropdown.

5. D.Switches combine the connectivity of a hub with the traffict regulation of a bridge

The screenshot shows the Cisco Networking Academy interface for a quiz. On the left, a vertical list of buttons numbered 1 through 8 is visible, with button 5 highlighted. The main content area displays "Chapter 3 Quiz" and "Question 5: Which of the following statements regarding switches is correct?". Below the question are four radio button options: "Switches encapsulate segments into packets.", "Switches regulate traffic based on Layer 1 addressing.", "Switches designed for Token Ring networks are known as MAUs.", and "Switches combine the connectivity of a hub with the traffic regulation of a bridge." On the right side, a sidebar titled "3 Local Area Networks (LANs) Quiz" provides instructions: "Roll over the numbered buttons on the left to view the quiz questions. Click in the square next to the correct option to answer a question. Correct answers are marked with a blue checkmark, while incorrect answers are marked with a red X in place of the question number." At the bottom, there is a navigation bar with icons for Review, Index, Quiz, Glossary, Back, and Next, along with a "CCNA 1 - Chapter Menu" dropdown.

6. C. Router, adalah sebuah alat yang mengirimkan [paket data](#) melalui sebuah [jaringan](#) atau [Internet](#) menuju tujuannya, melalui sebuah proses yang dikenal sebagai [penghalaan](#). Proses penghalaan terjadi pada lapisan 3 ([Lapisan jaringan](#) seperti [Internet Protocol](#)) dari [protokol tumpukan \(stack protocol\)](#) [tujuh-lapis OSI](#). Router berfungsi sebagai penghubung 2 jaringan atau lebih untuk meneruskan data dari satu jaringan ke jaringan lainnya. Router berbeda dengan [switch](#). [Switch](#) merupakan penghubung beberapa alat untuk membentuk suatu [Local Area Network \(LAN\)](#). Sebagai ilustrasi perbedaan fungsi dari [router](#) dan [switch](#), [switch](#) merupakan suatu jalan, sedangkan [router](#) merupakan penghubung antar [jalan](#). Masing-masing [rumah](#) berada pada jalan yang memiliki alamat

dalam suatu urutan tertentu. Dengan cara yang sama, *switch* menghubungkan berbagai macam alat, dimana masing-masing alat memiliki [alamat IP](#) sendiri pada sebuah [LAN](#).

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The screenshot shows the Cisco Networking Academy Program interface for a quiz. The page title is "Chapter 3 Quiz" and the sub-header is "3 Local Area Networks (LANs) Quiz". On the left, there is a vertical list of numbered buttons from 1 to 8, with button 6 highlighted. The main content area displays "Question 6:" followed by the text "Which networking device can make traffic forwarding decisions based on IP addressing?". Below the text are four radio button options: "bridge", "hub", "router", and "MAU". On the right side, there is a large, faint gear graphic. At the bottom, there is a navigation bar with icons for "Review", "Index", "Quiz", "Glossary", "Back", and "Next".

7. B.A single devices such as WAN switch or router

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8. A.Encapsulating data into segments, NIC secara inheren adalah Layer 1 dan 2. Tentu NIC menerapkan sublayer LLC dan MAC, namun juga bertanggung jawab untuk meletakkan bit ke medium juga dan karena itu Layer 1. Akan sangat ingin melihat pembenaran dan mengapa tidak akan validasi



3 Local Area Networks (LANs)

Quiz

Roll over the numbered buttons on the left to view the quiz questions.

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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

Chapter 3 Quiz

Question 8:

Which function performed by a NIC is classified as a Layer 2 activity?

- encapsulating data into segments
- encoding bits as electrical signals
- using network addresses to direct data delivery
- controlling a host's access to the network medium

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