

Networking Protocols Interview Questions And Answers Guide.



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Networking Protocols Job Interview Preparation Guide.

Question # 1

IN ALLEN BREADLY PLC FAMILY RS LOGIX 5000 USING WHICH PROTOCOL?

Answer:-

DF1 protocol is an Allen-Bradley data-link layer protocol that combines Softlogix 5800 provides virtual PLC control using a PC and RSLogix 5000. ...

The DF-1 protocol is an asynchronous byte-oriented protocol that is used to communicate with most Allen-Bradley RS-232 interface modules. More specifically, the DF-1 serial frame composition is that of a conventional RS-232 serial frame, where DF-1 forces some of the serial parameters such as 8 data bits, no parity, and a maximum baud rate of 19200.

Further, the DF-1 protocol specifies how to send data through a conventional RS-232 serial port, in order to communicate with the corresponding Allen-Bradley products.

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Question # 2

Can SSL support UDP, as SSL support TCP?

Answer:-

No SSL can not support in UDP beacuse in UDP is a connectionless protocol it is focused on the speed than the security.

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Question # 3

What is the address of one node in ISUP?

Answer:-

SPC, Signalling point code

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Question # 4

What is the difference between network based bug tracking system and bug tracking system?

Answer:-

A bug tracking system is a software application that is designed to help quality assurance and programmers keep track of reported software bugs in their work. It may be regarded as a sort of issue tracking system.

Many bug-tracking systems, such as those used by most open source software projects, allow users to enter bug reports directly. Other systems are used only internally in a company or organization doing software development. Typically bug tracking systems are integrated with other software project management applications.

Having a bug tracking system is extremely valuable in software development, and they are used extensively by companies developing software products.

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Question # 5



What is the mean of networking? What is the difference between this from programming language?

Answer:-

networking is device in which it act as a communication path between two or more computers.we can easily communicate hardware and software with security,but incase of programming languages we can only use codings to solve a problem ,in programming languages security doesn't provided.

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Question # 6

While configuring ppp at that time routing protocol is need or not?

Answer:-

no, routing protocol is not need while configuring pp.

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Question # 7

How can Jim Herr, a client on an NT TCP/IP network see which remote hosts are currently connected using NBT?

Answer:-

Display protocol statistics and current TCP/IP connections using NBT (NetBIOS over TCP/IP).

Syntax

By Name

NBTSTAT -a Remote_host_Name [options] [interval]

By IP address

NBTSTAT -A IP_address [options] [interval]

Key

-a (adapter status) List the remote machine's name table given its name

-A (Adapter status) List the remote machine's name table given its IP address

-c (cache) List NBT's cache of remote [machine] names and their IP addresses

-n (names) List local NetBIOS names.

-r (resolved) List names resolved by broadcast and via WINS

-R (Reload) Purge and reloads the remote cache name table

-S (Sessions) List sessions table with the destination IP addresses

-s (sessions) List sessions table converting destination IP

addresses to computer NETBIOS names.

-RR (ReleaseRefresh) Send Name Release packets to WINS and then, starts Refresh

interval Redisplay selected statistics, pausing interval seconds

between each display. Press Ctrl+C to stop redisplaying

statistics.

Syntax to see

which remote hosts are currently connected using NBT

c:/>nbtstat -n

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Question # 8

What is IMAP?

Answer:-

IMAP: Internet Mail Access Protocol..

It is used for incoming mail in client/remote users of a mail server. A user do not download e- mail in her pc from server.just to read or access from server. email saves in a server...

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Question # 9

IPv6 uses _____ bit address, whereas IPv4 uses _____ bit address?

Answer:-

An IPv6 address consists of 128 bits, while an IPv4 address consists of only 32

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Question # 10

Why DNS use both TCP and UDP ports. And for which purpose it uses TCP and UDP?

Answer:-

DNS uses TCP for Zone Transfer over Port: 53

DNS uses UDP for DNS Queries over Port: 53

A client computer will always send a DNS Query using UDP Protocol over Port 53. If a client computer does not get response from a DNS Server, it must re-transmit the DNS Query using the TCP after 3-5 seconds of interval.

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Question # 11

From the perspective of a computers network configuration, the name given to the IP address of the router to which the hosts in a particular subnet must go through to get to other networks/subnets is the?

Answer:-

- a. default gateway
- b. switch
- c. subnet mask
- d. ISP

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Question # 12

What is the private address 192.168.1.1 assigned by the dhcp?

Answer:-

192.168.1.100 is the beginning of the default dynamic IP address range for Linksys home network routers. This means the first computer (or other device) you attach to a Linksys router will typically be assigned the address 192.168.1.100 by DHCP. You can change the DHCP range of a router through its configuration utility to either use or not use 192.168.1.100.

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Question # 13

How is it different than BOOTP or RARP?

Answer:-

Bootp protocol normally use it in dhcp protocol, it is configured manually in order to give ip add or there relvent host.

Rarp is a work just oppostie of Arp. Rarp stand for reverse address resolution protocol. baiscaly rarp used to find out your own ip add or mac add of computer so that you can communicate appropriately with other computer knowing u mac or ip address.

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Question # 14

What is the networking control unit?

Answer:-

The Network Control Unit (NCU) is a field panel housing electronic modules, terminal blocks, and signal conditioners (pneumatic, linevoltageand electronic) all inside a single enclosure.

The NCU contains the user-programmable main processor-the Network Control Module (NCM)-for supervisory functions over all devices on the local bus, and a combination of the optional Digital Control Module and Point Multiplex Modules to directly control field devices that wire to the NCU termination blocks. This application installs all models of the NCM(101, 102, 401, 200) into standard 1-Slot, 2-Slot, or 5-Slot base frames.

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Question # 15

WHAT IS IPDSLAM AND WHAT IS FUNCTION OF IT?

Answer:-

A Digital Subscriber Line Access Multiplexer (DSLAM, often pronounced dee-slam) allows telephone lines to make faster connections to the Internet. ...



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Question # 16

Explain SMTP?

Answer:-

Simple Mail transfer Protocol mainly used for Outgoing Mails i.y it is also known as Outgoing mail server.

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Question # 17

How to hide control panel in my pc?

Answer:-

It can be done by using userpolicies for individual system.

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Question # 18

Hoe often does updates happen in a routing table?

Answer:-

It depends on the routing algorithm used: RIP, RIP2, OSPF...

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Question # 19

What is ESTMP?

Answer:-

pronounced as separate letters) Short for Simple Mail Transfer Protocol, a protocol for sending e-mail messages between servers. Most e-mail systems that send mail over the Internet use SMTP to send messages from one server to another; the messages can then be retrieved with an e-mail client using either POP or IMAP. In addition, SMTP is generally used to send messages from a mail client to a mail server. This is why you need to specify both the POP or IMAP server and the SMTP server when you configure your e-mail application.

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Question # 20

How to instal two operating system in one pc?

Answer:-

Using different drive while installing any operating system

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Question # 21

Which network mask should you place on a class c address to accommodate a user requirement for two sub networks with a maximum of 35 hosts on each network?

Answer:-

255.255.255.128

As it is asked to accommodate 35 hosts on both networks and it comes around 70 in total... so 2^7 is the minimum and dat comes in the last octet we need to leave 7bits for host and 1 bit for network.

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