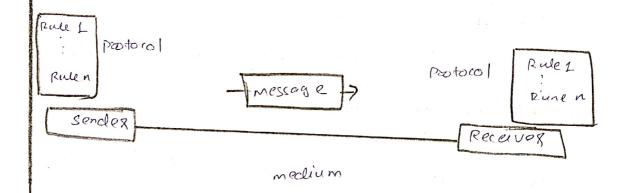
VINCE JOSEPH S3 MCA Poll: 59

2)

6)

d·)

Basic communication model



Components

Message: it is the actual indoornation (doute) to be a. communicaded.

soucher is a drice that sends the data (message) it can be a computer, woskstoation, telephone handset

Percives, is a device that seccives the message. c)

Jansmission madium: is the physical party by which messages rouvel from sender to obstination. og: wited & witeless mediums

projects; is a set of sures most youern date communications, without protocols, two devices may be 1

connected but not communicating.

The layered concept was developed to a comodale ananges in technology. Each layer in a network model has its can responsibilities. (Sunctions) Each layer will pass information up and down to the next subsequent layer as data is processed.

The main benefits are: by separating network communications into Smallar pioces, simplicity can be achieval. Also the underlying structure of the pasticipating nodes even't affect the date communicated.

OSI relevence modal

OSI stends for Open systems interconnection mobile.

It was first interclued in late 1970s. This is

an 150 standard which covers all aspects of

network communications.

The Purpose of OSI model is to show how to bea'citate as communication blue distance systems without requiring changes to the logic of the underlying hardware and sw. 1

OSI model is composed of 7 O'sdeked 104081

within a single machine, Application

each layer carls upon the services of the layer just

presentation

below it.

The seven layers can be

18cms POE +

shought of as belonging to 3

network a

sess ion

Sub groups

1st gwap physical, data Cinu and network

Dute link

and gover

physical

tokens foot layer

3rd govern

Application, presentation and session layer

of layers

physical rougs

The cowest laves of osl is physical layer. It is responsible for actual physical connection blu devices.

pusical layer contains information in form of bits. Responsible for foonsmitting individual bits from one

neede to another.

On secures side this land converts the signals parce to loits.

Data line loves.

Restansible for node to node delivery of msg.

main functions are to make sure death transfer is

exist force.

DLC is aboutded into 2 sub layers

- i) Logical link control
- ii) madia acress control,

main functions of DLL can be as follows:

dividing the sisseam of bits received from new laves into manageble doute units to could becomes

flow Control

4)

imposes flow London mechanism to avoid overwhelming the services.

E9992 COV4991

end of the forme

Access contail

Determines and controls which cloude has controls which cloude has controls which cloude has

c) Network Cares

Responsible for Some to destination delicery of packets passibly across multiple networks.

This cames also considers facted solving.

The selecting the shortest Path. The sender's and receiver's IP address are placed in the header by this layer.

Functions

Douting

de-les mines which toute is suitable too soulce to destination formsmission.

Logical addressing

Adding sender and deceiver 10 addresses
to the parallel header.

Transport laury

Rosposasible for Process to Process de Civery of entire msy. This cares ensures that The whole msy assives intect and in order, by overseing both estable control and flow control at source-destination laver.

functions

service point coldressing

transpositing the mag to consect Descession alestinating destination.

segmentation and seassembly

Adds segment numbers to segments to be author to be acted to secretary on receiver side.

D) connection contact

) flow contact

) teams contact

e) session larger

This is a now dialog controllor. This layer establishes maintains and synchronizes interoction amount communicating slar.

functions

Dialog control: allows two sims to enter into a dialog,

d) Synchroniscition

Presentation layer

concerned with Synton and somentics of information enchanged.

Suretion s

f.)

Towns ration: Restonsible los intexcresobicity bus
two disflesent encoding methods. So this rayer:
convexts elected into a common terment.

Encorption Compression Enchles were, human of slw to acress
the nlw. It provides and wer interfaces and
supposed for services such as a mail, remove
file access and transfer etc. higher lovel Prototols
like access and transfer etc. higher lovel Prototols
use HTTP, STP, SMTP are present hore.

Cookles

7

An HTTP cookie is a small type (piece) of date stopped on the wests computer by the web bowler while howing a website. The are designed to be a seciable mechanism for websites to semember to be a seciable mechanism for websites a cetivities. State ful information to second the wests are tivities.

session cookies (temporary rookies)

used to manage a secsion. This workies persist only to a session and the data get lost a steet

permanent cooriec

premains even is the bowses is closed they stoke login details etc.

Thurd Pasty reduces

instaured by 3rd parties with the aim of collecting docta from web cyess.

Zombie cookies

Automatically socroedes after wer has deleted them. These are dangerous.

h.)

Dany seaver

A parm server is a server application that

acts as a bridge blu hequests from cuents to servers

This acts like a godeway blu user 20 internet.

This servers provides varying lovels of functionalities

security and privacy.

4

Static and dynamic web documents

static documents

This type documents contains / wisitten in HTML JavaScript, ess etc. This type documents semains same (content) until someone changes it manually. The server sends these clocuments without needing any adolitional elbits.

Dynamic web documents

These are written using AJAX, ASP, ASP, NET etc.

The contents of these documents dister for distrebut

visitors. This pages takes more time to load than the

static ones.

- some one changes it manually,
- 1) pages are simple
- Information changes
- *) fastes reacting time

 i) NO' aludahase required

(;

Requiroes less workand

- 1) prage contents diller Som wer to wer
 - 5) puges are complicated.
 - e) in for mation is changed bequently
 - 1) takes more time to load,
 - s) deatebases are used.
 may
 s) contains application
 Paysams los.

different services.