

Internet Protocols

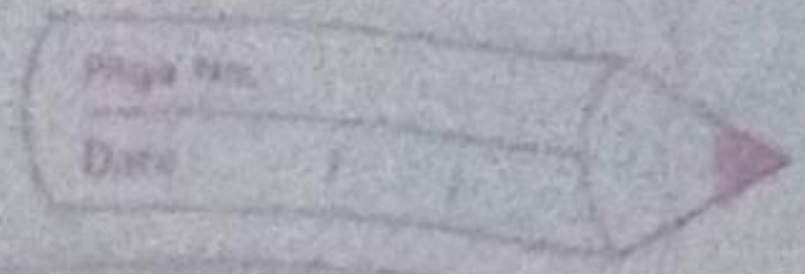
Internet protocols is a network layer protocol.

"The internet protocols are the world's most popular open system protocol suite because they can be used to communicate across any set of interconnected networks and are equally well suited for LAN and WAN communications. The IP family of a suite of communication protocols of which the two best known are the TCP and IP.

IP were first developed in the mid 1970s when the "Defense Advanced Research Projects Agency" (DARPA) became interested in establishing a packet-switched network that would facilitate communication between dissimilar computer systems at research institutions. With the goal of heterogeneous connectivity in mind, DARPA funded research by Stanford University and BBN (Bolt, Beranek and Newman).

The result of this development effort was the IP suite, completed in the late 1970s.

Benefits of the Intranet



→ Cheaper :- Use of client browsers with one standard window interface, offers easy integration with a number of other applications, such as electronic mail, faxes, video conferencing and linkages within messages. As a single interface to a variety of information sources, the browser is cost-effective, highly efficient, uses minimal resources and very easy to use.

→ Versatile :- An Intranet server eliminates the need to replicate database by providing users with easy access to source data. A single WWW server platform can support both internal and external applications.

→ Flexible :- The intranet provides the users with access to centralized information resources on a single point and click basis through the browser, which is available on a variety of client platforms (both windows, Mac, Unix etc), at any location.

* Several other factors contribute to increasing the profitability of an organisation. For companies that are highly dynamic and rapid in action, the primary factors among those are -

- Increased market share
- Increased product margins
- Cutting expenses
- Utilizing existing resources more efficiently

Types of Intranet

Intranets have been broadly classified into three types based on their functionality.

- 1) Bulletin board :- This type of intranet allows everyone in an organization the capability to review or update information that would normally be placed on an organization bulletin board, such as calendar of events, a status board, pictures of events or employees, policy changes, etc. It just acts like a broadcast system or notice board of the company in which updates may be as may not be frequent.
- 2) Database management :- This type of intranet allows everyone in an organization with the capability to maintain a "real-time" interactive database. The database can be used to support the tracking of products, bidding or provide information on a particular subject any time of day, from any location. The information is kept updated as quickly

as possible since time and information is money for the organization.

→ Information Access :- This type of Intranet is the type commonly found on the world wide web. The static ^{web} page may include information on any subject. The static page can then be accessed from a single simple search engine provided free as part of the internet.