Classful Addressing

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Before 1993

Original IP scheme was *Classful Addressing*. Address space was divided into classes.

- Balances the # of physical networks and hosts per network.
- Different address classes (A, B, C) introduced to handle varying needs.

IPv4

32-bit unsigned integer. Network ID, Host ID.

Routers

Routers maintain a table of network IDs and the appropriate next hop for outgoing interfaces to each network.