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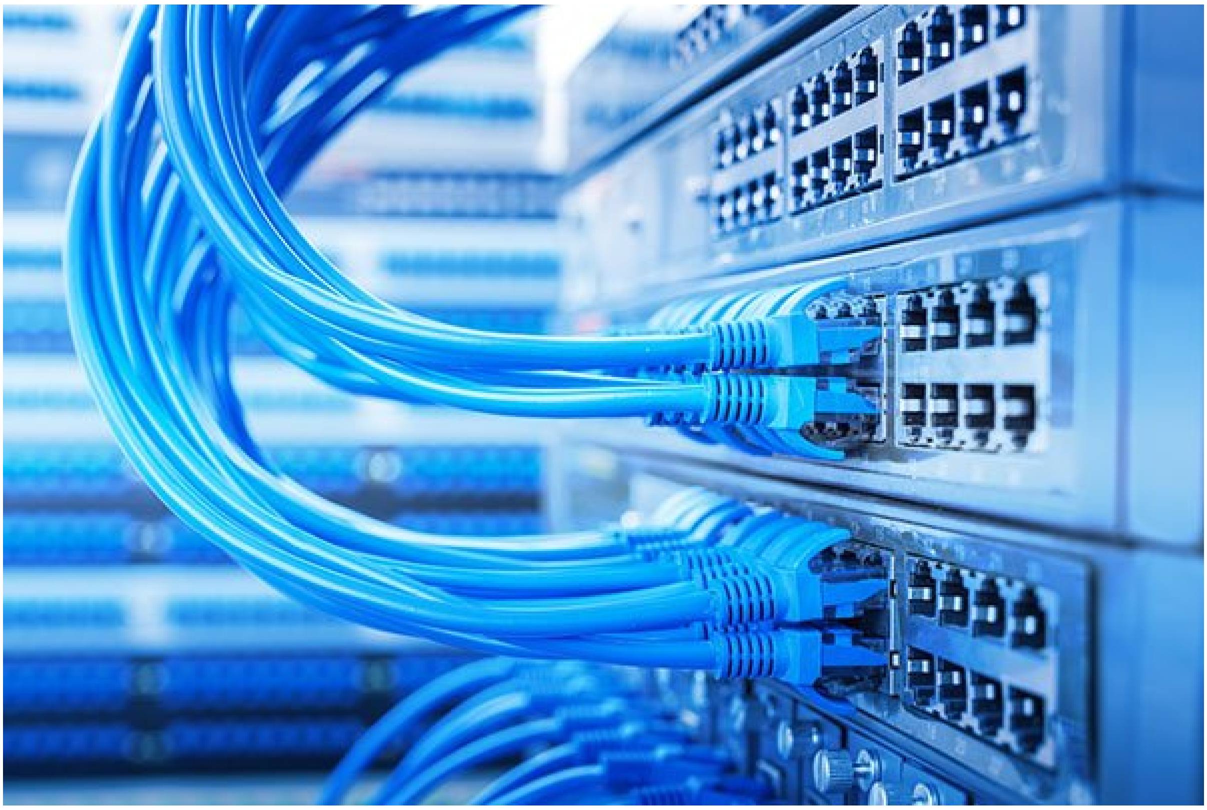
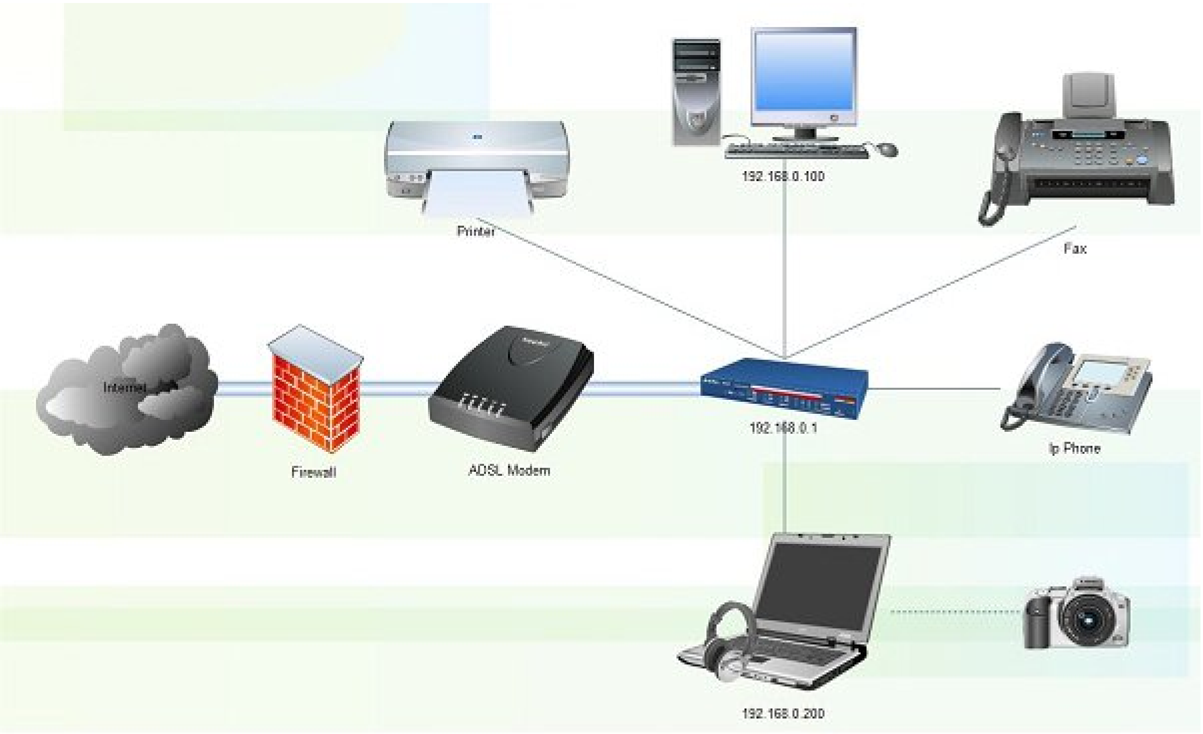


[illegible] (Ethernet) [illegible] (LAN) [illegible] [illegible] ([illegible] 802.3 [illegible]) [illegible] (IEEE) [illegible]

[illegible]

[illegible] 1970 [illegible] 1983 [illegible] IEEE 802.3 [illegible]

[illegible] (frame) [illegible]



[illegible] 1. [illegible].

[illegible]

[illegible] 10BASE5 [illegible] 10 [illegible] 100 [illegible].

[illegible] (Fast Ethernet) [illegible]

[illegible] (Fast Ethernet) [illegible] 1995 [illegible] 802.3u [illegible] 100 [illegible]: 100BASE-TX [illegible] 100BASE-FX. [illegible] BASE [illegible] T [illegible] (twisted pair) [illegible] F [illegible] (fiber optic) [illegible]. [illegible] 10 [illegible].

[illegible] (Gigabit Ethernet) [illegible]

[illegible] (Gigabit Ethernet) [illegible].

[illegible] 10 [illegible] 40 [illegible] 100 [illegible] (Gigabit Ethernet 100) [illegible] 100 [illegible] 70 [illegible]

[illegible]

[illegible]:

[illegible] (Ethernet NIC)

[illegible]

[illegible]

[illegible]

[illegible] ([illegible]) [illegible]

[illegible]

[illegible]

[illegible]

[illegible] (Bus Ethernet)

[illegible] RG58 [illegible]. [illegible] (Thin-net [illegible] Thin Ethernet) [illegible]. [illegible] Bus [illegible].

[illegible] 2 [illegible] 4 [illegible]. [illegible]. [illegible] ([illegible]). [illegible].

[illegible] 2 [illegible] 4 [illegible] 4 [illegible] 4 [illegible].

[illegible] 4 [illegible] 2 [illegible] ([illegible].)

[illegible] 2. [illegible]

[illegible] collision [illegible]. [illegible] ([illegible]) [illegible].

[illegible]. [illegible].

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[illegible].

[illegible] 1 [illegible] 4 [illegible]. [illegible].

[illegible] 3. [illegible]

[illegible] ([illegible]) [illegible]

[illegible].

[illegible]

[illegible] 1 [illegible] 5 [illegible] 2 [illegible] 4 [illegible].

[illegible] 4. [illegible]

[illegible]: [illegible] 100 [illegible] 1000 [illegible].

[illegible] CSMA/CD [illegible]

[illegible] CSMA/CD [illegible] Carrier Sense Multiple Access with Collision Detection [illegible]. [illegible] CSMA/CD [illegible]. [illegible] CSMA/CD [illegible]. [illegible] CSMA/CD [illegible]:

Carrier Sense ([illegible]): [illegible] (Carrier) [illegible].

Multiple Access ([illegible]): [illegible]

[illegible].

Collision Detection ([illegible]): [illegible]. [illegible].

[illegible].

[illegible]

[illegible] 85 [illegible]. [illegible]. [illegible]:

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12:00 - 25/10/1398
[illegible]:
[illegible] - [illegible] - [illegible] - [illegible] - [illegible] - Fast Ethernet - [illegible] -
Gigabit Ethernet - [illegible] - [illegible] - [illegible] - [illegible] - [illegible]

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[illegible]:https://www.shabakeh-mag.com/networking-technology/16227/%D8%A7%D8%AA%D8%B1%D9%86%D8%AA-%DA%86%DB%8C%D8%B3%D8%AA%D8%9B-%D8%A7%D9%86%D9%88%D8%A7%D8%B9-%D8%B4%D8%A8%DA%A9%D9%87-%D8%A7%D8%AA%D8%B1%D9%86%D8%AA-%D9%88-%D8%B9%D9%85%D9%84%DA%A9%D8%B1%D8%AF-%D8%A2%D9%86%E2%80%8C