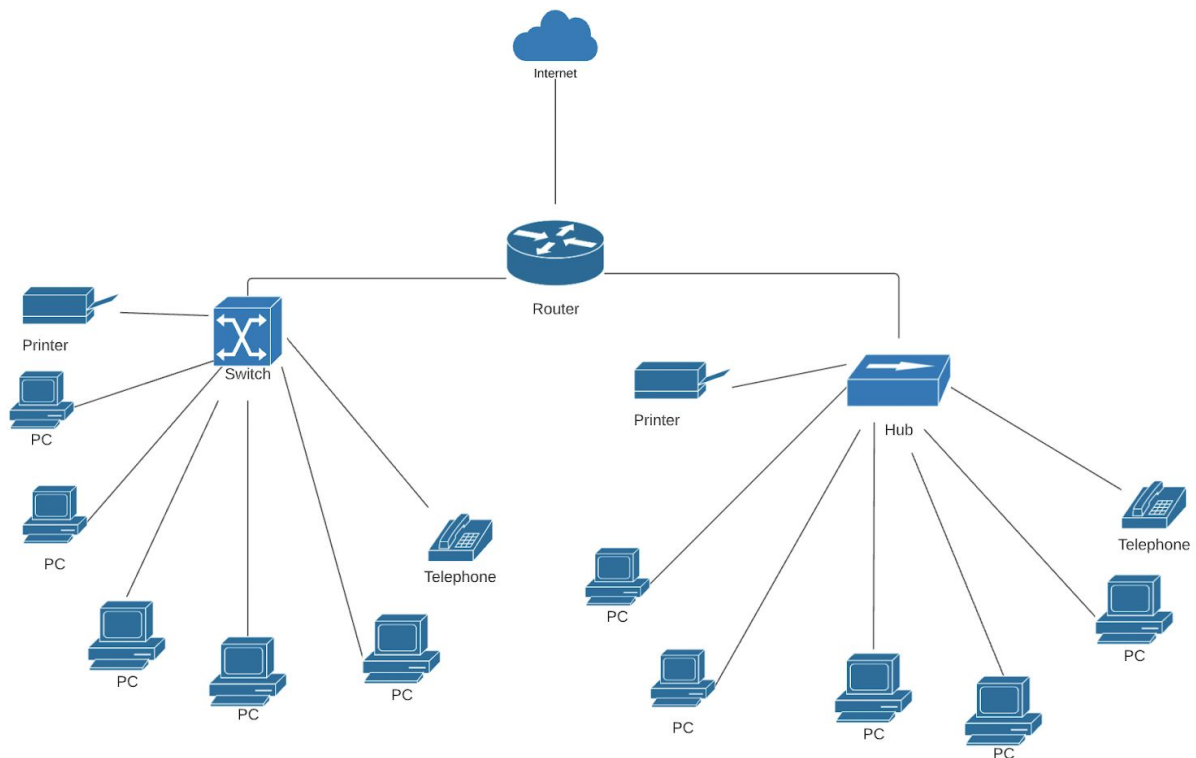


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Solutions:

1. If I am assigned to be a manager in a company, network topology that I will set up in the company is star network topology. Because Star network topology is best suited for smaller networks and works efficiently when there is a limited number of nodes. We have to ensure that the extra security features are added to the hub because it's the heart of the network. It also requires regular maintenance to guarantee that it works at its best. In addition, there are many advantages such as if any cable is not working then the whole network will not be affected, easily to add new computers or devices without interrupting other nodes and easy to troubleshoot, etc. A switch is preferred than a hub as it can directly connect computers using MAC addresses -- eliminating unnecessary traffic by using a hub.



2. Many devices that the manager should set up in a business, it depends on how big the business. If the business is just a small company, computers are more than or equal to 10, only one or more repeaters, only one or more routers and hubs can be 1 or 2. But if the business is large, required devices are increased following the situation that can't speculate or define. Suppose that I were a manager of ACLEDA Bank, I would set up over 100 computers, 5 to 10 repeaters, 5 to 10 routers and 3 to 5 hubs or switches and also if the case arises for large organizations, extended star topology would be of much use which usually spans an entire building.
3. If the business is small, the departments should be 5 or more and 20 staff or more in total. For instance, online product selling is rarely considered as a large business. But if the business is huge, departments needed may be more than 10 and 50 staff members in total. In the same way, if I were a manager in ACLEDA Bank, I would distribute 10 to 15 departments and 120 staff members who work with computers and others.