

Que 2 :-
Ans 2 :-

Software Defined Network (SDN) :-

Software defined networking (SDN) is a network architecture approach that enables the network to be intelligently and centrally controlled or "programmed" using software applications. This helps operators manage the entire network consistently and holistically regardless of the underlying network technology.

SDN enables consistent management of the network, which may be made up of complex technology parts.

There are four critical areas in which SDN technology can make a difference for an organisation

- 1) Network programmability
- 2) logically centralize intelligence and control.
- 3) Abstraction of the Network.
- 4) openness.

A key advantage of SDN technology is the ability for network operators to write programs that utilize SDN API's and give applications,

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control over network behaviours, SDN allows users to develop network-aware applications, intelligently monitor network conditions, and automatically adapt the network configuration if needed.