

Instituto Tecnológico de Cancún

Ingeniería en sistemas computacionales
Fundamentos de telecomunicación

Unidad 1

“Concepto de SDN”

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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 the programming of network behavior in a centrally controlled manner through software applications using open APIs. By opening up traditionally closed network platforms and implementing a common SDN control layer, operators can manage the entire network and its devices consistently, regardless of the complexity of the underlying network technology.

A key advantage of SDN technology is the ability for network operators to write programs that utilize SDN APIs and give applications control over network behavior. SDN allows users to develop network-aware applications, intelligently monitor network conditions, and automatically adapt the network configuration as needed.