INSTITUTO TECNOLÓGICO DE CANCÚN

ALUMNO: GONGORA JIMENEZ FRANCISCO DAVID.

PROFESOR: ISMAEL JIMÉNEZ SÁNCHEZ.

MATERIA: FUNDAMENTOS DE TELECOMUNICACIONES.

TAREA:

INVESTIGAR SOBRE EL CONCEPTO DE SDN

HORARIO: 5PM-6PM.

FECHA DE ENTREGA:

23 DE NOVIEMBRE DEL 2020

INVESTIGAR SOBRE EL CONCEPTO DE SDN (REDES DEFINIDAS POR SOFTWARE)-

RESEARCH ON SDN CONCEPT (SOFTWARE DEFINED NETWORKS)

Software-defined networks

(SDNs) so I understood that they serve to create networks in which control is detached from the hardware

and is given to a software application called a controller in which when a packet reaches a switch on a conventional network,

the rules built into the switch's proprietary firmware tell the switch where to transfer the packet,

another point of this research is that there is another network which is defined by software, which consists of a network administrator

you can shape traffic from a centralized control console without having to touch individual switches and all of this is controlled

by the administrator who can change any network switch rule when necessary by giving or removing priority, or even blocking specific types of packages with a very detailed level of control. One of the applications used to create a software-defined network is OpenFlow

which allows network administrators to control routing tables remotely.

One of the features of SDNs is that they offer a centralized and programmable network consisting of an SDN controller, SDN

controllers are the brains of the network,

by offering a centralized view of the entire network, downstream APIs transmit information to switches and routers

network, where they are communicating with applications among other services.