INSTITUTO TECNOLOGICO DE CANCUN

SISTEMAS COMPUTACIONALES

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TASK: INVESTIGATE THE CONCEPT OF SDN

SDN CONCEPT:

The software-defined network (SDN) is an emerging network architecture in which network control is decoupled from forwarding and is directly programmable. This migration of control, previously tightly bound on individual network devices, to accessible computing devices allows the underlying infrastructure to be abstracted for network applications and services, which can treat the network as a logical or virtual entity.

WILLIAM ADRIEN SARRAGOT PASTRANA

The concept of SDN is abbreviated to the words SDN, which means software-defined network in the Spanish language, all this is created to be able to manage and control in a very simple and intelligent way the components that we need, for example already Either by means of a software aid, an example that we could say could be the protocols that are open such as Open Flow, which benefits the devices that are connected at that moment to the network to be able to access the switches, rauter or either through firmware We know that SDN is a software which tries to give instructions to the components of the network that we have at that moment either to know the packet traffic or to have a specific communication with the control and data. There are two types of SDN, the symmetric and asymmetric, which is one of the very important intelligence for the network, since it implies some very important tasks to be able to control and asymmetric it is made known to have a minimum information that we go to use at that time in a few words if the control unit falls that we have sales of any of them it could be that the symmetric one may have some redundancies and reduces the load on the different components and its main function is maximum centralization of the control and Asymmetric distribution of control is based on operation when the central control is dropped.

Referencias

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FIGURE 1
Software-Defined Network Architecture