Diseño de un sistema de monitoreo y notificación de incidencias en tiempo real utilizando software libre.

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Abstract—Monitoring systems are software that actively and passively will monitor all the components in a Data center, such as services, computers, switches, access points, UPS, power generator, cameras, etc. this is an essential part for having everything working correctly in a Data Center that provides lots of services. In this paper I have proposed the design of a monitoring system using open source and the Simple network Management Protocol that will report real time incidents in different ways such as email or a mobile messaging client. The design of this monitoring system will be part of the Kishwar Project, a whole system that innovates the actual emergency system in case of an emergency that needs to evacuate people from a building, will do in a smart way. This monitoring system will constantly monitor cameras, processing servers, switches and everything that will be part of the emergency system. For this reason the design of a real time incident monitoring and notification system it’s necessary to complete the Kishwar Project and ensure proper operation of each of its parts

Keywords—Monitoring System, SNMP, Open Source, Evacuation system, Messaging client.