

ENSURING HEALTHY & SECURED WI-FI NETWORK IN HOSPITALS

Hospitals are actively adopting the latest trend of providing wireless connectivity so that patients, doctors, and staff can easily share necessary information like prescription details or carry out research about certain drugs on-the-move. Hospital visitors/patient's family members can also access internet from their mobile devices.

With rapid increase in use of Wi-Fi technology, performance challenges faced by hospitals are –

Hospital infrastructure is usually complex with enormous layout and old structures with vast variety of medical devices. There is a need of doing proper planning needs for integrating a flawless wireless network ensuring signal consistency and connectivity in entire hospital areas.

Mobility is high in hospitals with respect to both – people and devices connected to wi-fi. Doctors, nurses, and other staff are constantly moving and accessing data from their devices to communicate with each other or to surf internet for reference.

The number of devices connected with hospital network is also high which brings the necessity to effectively manage devices and deliver hassle-free wireless access.

Access management for internal staff and patients is a challenge as you may not wish to exchange your staff and patient details which are available in your database, with the third party solutions. So expect the solution to integrate with your database and it should be able to fetch user information to authenticate internal users.

In-order to differentiate and cater both internal and external users, you can expect the solution to facilitate separate hotspot network within your hospital network. It should also enable internet coupons generation and provide it to the external users (i.e. visitors/guests)

Hospitals should ensure that they have standard policy enforcement system to allow authenticated user traffic to access hospital network. It will avoid unnecessary breach of network activities and malicious threat to the network. Also complete reports can be generated to ensure security & regulatory compliance.

Network security is always a major challenge for any hospital. It is also important to ensure that wireless network will not cause any kind of intervention with functioning of other hospital equipments. Because of the open nature of the Wi-Fi network, it lacks the same level of security that you are accustomed

There is a need of a flexible healthcare solution offering functionality of managing and controlling data usage and allowing only authenticated user traffic to access hospital's network. Effective bandwidth management and controlling needs to be done if hospital is offering free internet access to patients and visitors.

24online comprehensive solution for hospitals and other healthcare institutions is designed to overcome above mentioned challenges. It effectively manages fair distribution of bandwidth, allows only authenticated user traffic ensuring network security, and also offers multiple reports showcasing complete details about users surfing and user logs.

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