

Customer:



Industry:

Healthcare

Challenges:

- ▶ Extensive data network
- ▶ Operation of critical systems and applications
- ▶ No visibility

Customer Needs

- ▶ Monitor and analyze all data network traffic automatically
- ▶ Prioritize network traffic
- ▶ Eliminate unwanted applications and protocols

Solution benefits:

- ▶ Eyes in the Network
- ▶ Improved Security
- ▶ Improved Network Utilization

Products:

- ▶ Flowmon Collector
- ▶ Flowmon ADS Business

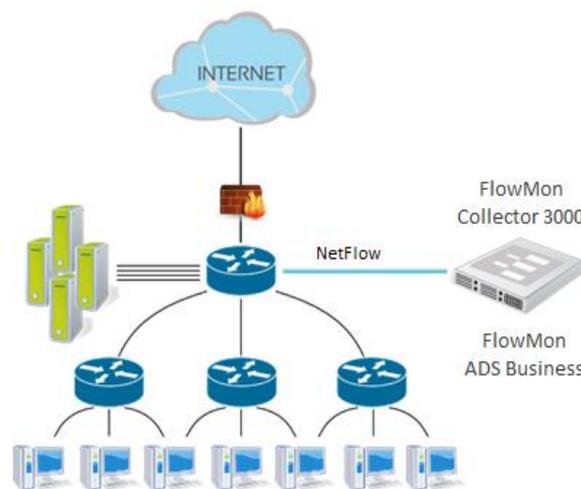
Haga Hospital was created in 2004 as a result of the merger between three hospitals in The Hague, Netherlands. With three locations, two outpatient clinics, 3,600 employees and 275 medical specialists, Haga Hospital belongs to one of the largest general hospitals in The Netherlands. It offers nearly every medical specialization and has its own Mobile Medical Team.

Infrastructure

As part of the multi-year plan 'HagaVernieuwt' The Hague hospital has installed a new IT infrastructure. The new infrastructure enables more than 3,600 employees to work faster and better, patients have access to internet in bed and visitors can use wireless network.

The network in Haga hospital is MPLS VPN based on Cisco equipment. In total there are in one physical network over 20 functional VPNs, including the office environment, the environment for PACS radiology, wireless LAN, VoIP and the building management system. Because of the requirements made on the infrastructure it is crucial, that there is always full control of the traffic and behavior of the network.

Solution



The Flowmon Collector monitors the core of the network of Haga hospital. This ensures that all traffic to and from the data center, Internet, DMZ and enterprise network is carefully analyzed. In place is also used the Flowmon Anomaly Detection System (ADS). This Network Behavior Analysis system keeps a profile for each connected device and detects deviations from the normal traffic behavior. The built-in alerting and reporting capabilities in Flowmon and the necessary information in

ADS ensure that the IT department always has the necessary information in order to take appropriate actions.

Customer review

Walter Telting, ICT Architect of the Haga Hospital, states about the solution and implementation:

"Our challenge was not only to identify and stop unwanted traffic, but also to gain insight of the actual network usage. It is very important for us to know what bandwidth is required by an application when you encounter certain peaks. Thanks to Flowmon solution we have a clear overview and we can act immediately. For example, we prioritize a specific network traffic, thereby we give a priority to the business critical network traffic from the hospital. We first made a Proof of Concept and we are pleased with the choice of this solution."