

New core network over one weekend



IPnett Case Study

Get, Norway's leading digital TV and broadband provider, has replaced its core network almost overnight. The reason is strategic; The company wants to achieve a dramatic increase in capacity for digital TV, Internet and IP telephony. The new network, which is based on IP/MPLS, is provided by IPnett and Juniper Networks. This new technology enables better performance and stability, as well as increased capacity and improved functionality. At the same time, IPnett is now assuming an even stronger position on the service provider market, based on Juniper's unique technology.

IPnett and Juniper Networks are established players for a number of service providers and telecoms operators on the Scandinavian market. Juniper relies on partners on both the global market and the Norwegian market, on which IPnett AS is a local leader. These players have now come together to provide Get with a new core network.

Rolf Bive, CTO at Get, explains that the choice of a new core network was a strategic move. "If we are able to offer greater capacity and more services than our competitors on the same platform, this will obviously help to strengthen our position on the market. The decision was based on reliability, performance and scalability," he says.

Implementation

IPnett was given the challenge of designing, planning and implementing the network, which had to be in place in record time. Implementation had to take place within four weeks of the contract being signed.

Mr Bive had the following to say about efficiency: "We are impressed by the efforts of IPnett, which, among other things, replaced the entire Vestland ring for the company over one weekend."

The stability, capacity and functionality of the core network are a prerequisite for being able to distribute digital TV signals to customers. The new

core network makes it easier for Get to operate the network, as it provides them with a common network for digital TV, Internet and IP telephony.

Reliable technology

Juniper Networks' M320 multi-service routers form the cornerstone of the network. They are equipped with 2.5 Gbps links and P2MP LSPs, which help to increase transfer capacity efficiency. The current volume of video traffic on the network is 900 Mbps and the solution is scalable to allow for further growth in the volume of traffic.

"Video on demand and digital TV broadcasts cannot tolerate downtime or packet loss and at the same time they require technology that fully exploits bandwidth. This technology has been developed in such a way that switchover on system failure takes place so quickly that users don't even notice. This is important for our customers and for the end users of their services," says Roar Wormsen.

Solid position

IPnett has certainly made great inroads into the service provider market in Norway, together with Juniper. "Our collaboration began five years ago and this Get contract further consolidates our position on the market. Our customers include TelgeEnergi, Aftenposten and the Oslo Stock Exchange," says Jan Sjøgaard, CEO of IPnett Norway.

About Get

- Norway's leading digital and broadband provider
- Provides the market's most complete range of services to private households
- Get currently has networks in Oslo, Asker, Buskerud, Østfold, Bergen, Stavanger, Haugesund, Kristiansand and Trondheim
- Get's network has an HFC (Hybrid Fibre Coaxial) structure, which provides enormous capacity
- After Telenor, Get has Norway's second largest network for private customers

About the solution

- Common network for digital TV, Internet and IP telephony
- Uses IP/MPLS - technology that enables better performance and stability, as well as increased capacity and improved functionality on the network
- Juniper's M320 multi-service routers are the cornerstone of the network. They are equipped with 2.5 Gbps links and P2MP LSPs and help to increase the transfer capacity efficiency
- The technology fully exploits the bandwidth of the network
- Switchover on system failure takes place quickly and without interruption for the users