

# ACCELERATION TECHNOLOGY MAKES CITRIX MORE EFFICIENT IN THE COMMUNICATION BETWEEN NOLATO'S HUB IN KRISTIANSTAD AND ITS SUBSIDIARY IN BEIJING

## BENEFITS

- Faster traffic/improved response times
- Reduced demands on bandwidth
- Simplified file management in Microsoft environments
- Reduced costs for communication

## APPLICATIONS

- An Expand Accelerator 6910 is placed centrally in Sweden, as well as an Expand Accelerator 6910 in China
- In order to facilitate the management, monitoring, troubleshooting and control of central running, the ExpandView management software is also installed.
- The models allow full use of Compass Architecture with integrated acceleration and Microsoft File & Print Management.
- In order to improve management and acceleration of Citrix, a combination of compression, acceleration and the essential integrated Qos/Shaping management. This gives priority for both out- and incoming traffic with individual adjustment depending on accessibility.

## PROFILE

Nolato is a worldwide developer of polymer components and product systems to leading customers within the telecoms, automotive, white goods, medical technology, medicine, and hygiene markets, among others.

Founded in 1938 in Torekov in southern Sweden, Nolato has expanded heavily in Europe as well as China throughout the years. In January 2008 the group had 3,433 employees, around 900 of whom are based in Sweden, and a turnover of around SEK 2,500 billion in 2007.

Nolato has been registered on the OMX Nordic Exchange since 1984 and is included in the information technology listing.

## THE CHALLENGES

The WAN communication between Sweden and China had generally not met the group's needs from 2006 onwards, and faster communication became more than necessary when the operations in Beijing expanded in 2007. Complaints that response times in the IFS business system were not functioning properly were raised, as well as complaints about the time consuming file management in Microsoft's CIFS standard protocol. Initially, it was not meant for the staff in Sweden to open Microsoft documents in China, but the extended cooperation between the countries soon made the working situation untenable for the staff.



**We needed a simple solution that worked straight away in connection to deployment. Expand's solution could be implemented fully without a lot of adjusting the parameters here and there, and it is well advanced in terms of technology and software that works in many different situations**

- Kenneth Nilsson, IT Manager at Nolato

"Opening and sending files took an unacceptable amount of time, no one had the time to sit and wait," says Kenneth Nilsson, IT manager at Nolato.

The insufficient WAN communication also created problems with email, which is seen as a business critical function these days.

## TECHNICAL SPECIFICATION

- Taking full advantage of Compass Architecture with integrated acceleration within many areas of the Expand Accelerator 6900 WAFS, for Microsoft server compensation of File & Print management.
- The primary application is handling Citrix acceleration on slow WAN links between Sweden and China.
- Compression and integrated QoS/Shaping management for prioritising both outgoing and incoming traffic for specific applications for other critical functions.
- Simplified management and monitoring with central control over ExpandView management software.

## WEB LINKS

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"We use Citrix, email and some Word, and occasionally, the staff in Sweden needs to be able to connect to the server in Beijing in order to follow up in the project databases. Overall, this meant an untenable situation with time consuming processes, which in turn made the company's efficiency levels go down," Kenneth continues.

## THE SOLUTION

Nolato tested several competing solutions without major success. The service providers never quite got the configurations working properly and Nolato did not experience any gains in transfers using Citrix and Microsoft. The choice finally fell on Expand Networks since it offered excellent response times and the smoothest possible implementation of the solution.

"We needed a simple solution that worked straight away in connection to deployment. Expand's solution could be implemented fully without a lot of adjusting the parameters here and there, and it is well advanced in terms of technology and software that works in many different situations," Kenneth says.

Expand's Accelerator 6900 series was installed in the Kristianstad office as well as in Beijing. This way, Nolato hoped to increase the stability and speed of communication between Sweden and China in a cost-effective way.

## THE RESULTS

The business critical functions IFS via Citrix and the Notes/Domino email system has been made considerably faster. Using Expand's acceleration and compression technology, Nolato's commercially important project documents can be sent quickly and securely between the countries.

"Now we have both a faster and a more stable communication with better performance without having raised the nominal WAN speed. It is also a much more cost effective solution than if we would have set up expensive point-to-point connections," Kenneth says.

Nolato's smaller office in China is in Shenzhen, and even if that office does not have an acceleration unit of its own today, Kenneth says that the staff there still reaps the benefits.

"A very positive effect of Expand's flexibility when it comes to optimization is that the smaller operation in Shenzhen also gains from the acceleration technology since they can go via the unit in Beijing and proceed to Sweden from there."

Nolato has gained a cost- and time-effective solution, for staff as well as the company as a whole. Instead of complaints about slow email downloads or files that won't open, Kenneth now hears spontaneous comments like, "Wow, it really works!" from staff.