

# SPACE ENGINEERING SERVICES

Facilities Management Company Enhances Citrix Applications with Expand Networks WAN Optimisation



## IN SUMMARY

- Compression and acceleration of all traffic over the WAN
- Improved network performance across the business
- Increased business efficiency through maximising existing infrastructure

## TECHNICAL OVERVIEW

- Integrated WAN optimisation technology has allowed all users to be in the virtual proximity of applications
- Increased visibility of Citrix/ICA protocols prioritises server based applications through Layer 7 QoS technologies
- Business critical Citrix applications protected from congestion through WAN optimisation, whilst reducing latency through acceleration techniques

## PROFILE

Founded in 1988, Space Engineering Services is a leading facilities management company and provider of refrigeration, mechanical and electrical services to the UK's large supermarkets and retailers.

## THE CHALLENGES

As a rapidly growing organisation, Space Engineering had seen an increased reliance on IT systems and web traffic since its inception. The increased traffic levels placed a huge strain on its WAN infrastructure, which soon struggled to cope with the added pressure of delivering critical applications to its dispersed workforce.

In particular, large engineering CAD files sent via e-mail became very bandwidth intensive, whilst sensitive Citrix applications became dominated by more aggressive applications causing congestion.

Adam Bess, IT Manager at Space Engineering explains, "Our refrigeration systems are the lifeblood of our retail customer base, and as a support and maintenance company, our administration, customer services and engineering teams have strict SLAs to adhere to. Slow and cumbersome communications and applications was simply not an option and we looked to WAN Optimisation technologies to alleviate the problem."

## THE SOLUTION

Space Engineering quickly turned to Expand Networks and its acceleration platform to overcome its network issues.

The integrated WAN optimisation technology within Expand's platform enabled Space Engineering to immediately compress and accelerate traffic across the WAN and put the users in virtual proximity of applications.

**“We were amazed by the success of Expand’s platform when it came to Citrix-based applications, which are notoriously tricky to accelerate.”**

Adam Bess, IT Manager, Space Engineering

## APPLICATIONS

- CITRIX

## WEB LINKS

- Learn about our solutions  
[www.expand.com/solutions](http://www.expand.com/solutions)
- Learn about our products  
[www.expand.com/products](http://www.expand.com/products)
- Learn about our WAN  
Monitoring Tool  
[www.expand.com/wan-tool](http://www.expand.com/wan-tool)

## THE RESULTS

The Expand solution has enabled Space Engineering to make increased efficiency gains, whilst maximising existing networking infrastructure to add to the bottom line.

“The optimisation capabilities of the Expand platform quickly delivered the bandwidth increase we required, significantly improving throughput on our WAN,” said Bess. “In addition, Layer 7 QoS technology gave us visibility within the Citrix/ICA protocol to prioritise the server-based applications, protecting our business critical Citrix applications from congestion, and at the same time, acceleration techniques overcame any latency.”

“We anticipated the significant impact the technology would have on our e-mail application and web-traffic,” noted Bess. “We were amazed by the success of Expand’s platform when it came to Citrix-based applications, which are notoriously tricky to accelerate.”

## LEARN MORE

Some of the best-known names in financial services, manufacturing, retail, health care, as well as leading government agencies and the military, rely on Expand Networks for optimised network infrastructures and superior applications performance. For more information on how Expand solutions can benefit your company, contact your local Expand representative today or visit us at [www.expand.com](http://www.expand.com).