



**Cardium Solutions**  
IT CONSULTANCY & SOLUTION PROVIDERS

# CASE STUDY

**H.J. Heinz**

## **European Firewall Deployment**



## Project Overview

H J Heinz (Europe) has a requirement to centralise Internet based services, prevent their European LAN/WAN from malicious attack from the Internet and to provide web access to the desktop. This presented a number of problems in that all the European sites operated autonomously with regards to Internet connections. In most cases the European sites had direct connections to the Internet through different service providers and were using *real* IP addresses on their internal LAN. This system was proving difficult to manage.

With this in mind H J Heinz asked Cardium Solutions to provide a design that once completed would give H J Heinz a single point of access to the Internet. To this end we decided the best way to approach this problem was to implement the solution in a number of phases.

## Project Approach

### Phase 1

Phase 1 consisted of restructuring the IP network at all sites by allocating addresses from the private address space as described in RFC 1918.

### Phase 2

Implementation of Internet firewall based on Microsoft Proxy 2.0. This initial implementation was to ensure that the Microsoft Exchange servers are not prone to attack from the Internet whilst sending/receiving Internet email. At this point no provision was made for Web access.

### Phase 3

Provide web access to the desktop in the UK (5 sites). This will involve the implementation of additional Proxy servers in a hierarchical tree, these servers will primarily act as cache servers. We will also utilise the existing SMS infrastructure to distribute Microsoft Internet Explorer to Windows NT and WFW clients.

### Phase 4

Provide web access to the desktop (other European sites)

The solution was documented and rolled out by Cardium to France and Holland as well as England. Staff from H J Heinz, were trained/mentored during these installations, allowing them to perform the subsequent implementations internally.

## Summary

Post completion Cardium always undergo a project closedown meeting obtain feedback from the client, shown below is the clients comments;

*Alan,*

*Please invoice against the order number you have and I can arrange the rest internally. In terms of the quality of work, I have been very impressed by the professionalism and customer focus shown. The work was completed on time and to excellent quality in the difficult circumstances of multi locations & language barriers, etc (John knows that I don't give praise that easy.)*

*If you want me to be picky I think that more effort could be put into the project planning (but this is a very minor point, really just looking for something negative to say).*

*Any queries please give me a call.*

*Regards,*

*Martin Kelly (Business Analyst/Manager)*

# Contacting Cardium

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- Telephone 01282 425111
- Fax 01282 425444
- E-mail [info@cardium.co.uk](mailto:info@cardium.co.uk)  
[sales@cardium.co.uk](mailto:sales@cardium.co.uk)
- Address **Cardium Solutions Ltd**  
**4 Dominion Court**  
**Billington Road**  
**Burnley**  
**Lancashire**  
**BB11 5UB**
- Internet [www.cardium.co.uk](http://www.cardium.co.uk)

