

CUSTOM SOLUTIONS

Custom solutions for the banking sector

INTRODUCTION

At Brown's one of our main strengths is our end-to-end view of problems coupled with our ability to deploy the appropriate skills to ensure that the solution works even when disparate technologies are to be employed. We are often able to act as the technology bridge within a customer organization to interpret the differing interfaces to each department.

A common characteristic of all our solutions is that, once operational, they become critical to our customers' businesses – regardless of whether or not they are banking solutions. We are committed to supporting and maintaining our solutions for as long as required.

OUR CUSTOMERS

Our customers are always very important to us but they are particularly important when we are developing custom work. We could not produce solutions of this type in our typical timescales without our customers being prepared to work in an informal relationship for much of the project. It is clearly important to set out at the beginning what is expected of us by way of delivery but it is then up to us to get the job done. We travel when necessary, but good telephonic and data communications make it an infrequent necessity.

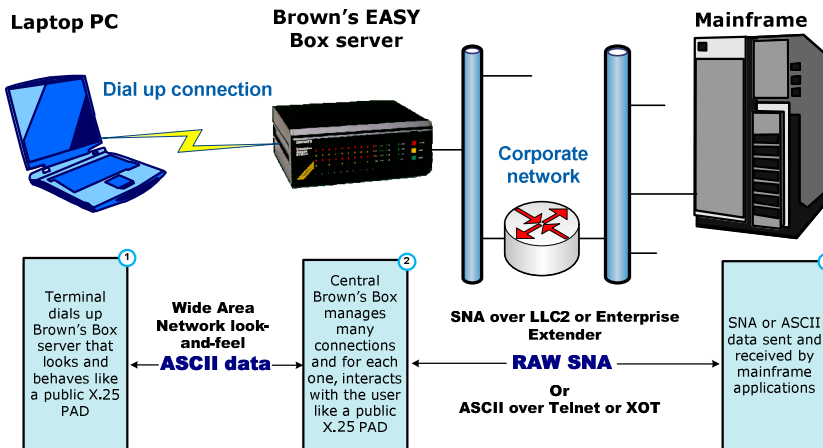
OUR PEOPLE

The most important resource is our people. Length of service in the team ranges from 10 years to over 20 years with skills to match. We have a determination to solve whatever problem is put before us. Our team keeps up-to-date with the latest techniques and developments to enable them to be incorporated into our solutions when and where they can be best suited.

We are communications specialists who understand the need for rigorous practical security and for reliability of performance in the corporate world.

PRICING

The price of a solution depends upon the solution required but we are competitive and we are innovative and we firmly believe that we always deliver value for money. Our prices are based on an inclusive, delivered product basis. Maintenance is provided under the terms of our standard maintenance contract.



Generalised custom solutions diagram

Brown's main product lines fall into four categories:

- remote access solutions for the corporate market with specialties in security, mobile data and VPNs
- custom communications solutions for the banking sector
- maintenance of installed base
- IBM mainframe software development and maintenance

Applications

We have a proven track record.

We have robust, cost effective and timely solutions, which are standards-based.

We remain up-to-date with all the latest methods and we have a willingness to apply them when and where appropriate.

We interact with decision makers directly and bridge inter-departmental technological boundaries when necessary.

Benefits

1. A US bank used Brown's Boxes for some 18 years to link dumb terminals, and eventually PCs, to their IBM mainframe CICS systems using 3270 emulation. Some 350 or so Boxes were deployed on a worldwide basis to most financial centres and were maintained from our UK base

2. A US bank asked us to produce an X.25 PAD to replace a widely used PAD from which support was soon to be withdrawn. The project was completed and delivered and, although the solution has yet to be deployed, it has proved to be a very economic insurance policy.

3. When X.25 started to look expensive and ephemeral, a US bank asked us to convert their LU6.2 communications from X.25 to the Internet with encryption to modern standards using TLS and triple DES. This system is currently running, active and supporting about 600 client companies.

4. In 2006 Brown's were commissioned to produce a communications solution to interface...

Projects

CENSORED

...systems now live with some tens of thousands of users.

Customisation

The EASY Box can emulate the access points of any major public X.25 services, among them BT PSS and CompuServe.

The EASY Box is versatile enough to emulate any current customer specific PAD, Switch or Controller configuration.

Economy

The EASY Box can perform many tasks, amongst them:

- Act as a frontend for a number of X.25 connected and SDLC connected, ASCII and SNA hosts while providing high-speed IP and LLC2 access to the corporate network
- Manage a mixture of different 3270, 5250 and 3770 SNA SDLC controllers and deliver the SNA traffic to SNA hosts using either LLC2 or Enterprise Extender
- Manage many public X.25 services, switch the traffic using a combination of NUAs and IP port addresses and then deliver the X.25 traffic to ASCII hosts using XOT or Telnet
- Create virtual X.25 X.25 and SDLC SNA networks across an IP backbone using VPNs that encapsulate secured and compressed XOT and SNA traffic

Brown's customised solutions have helped many organisations to successfully stage a migration from heritage networks, including dial-up and lease line ones, to contemporary IP and ISDN networks without any disturbance to their customers and clients.

Security

Client / server support

SNA 3270

- LU1 3270 printer
- LU2 3270 display
- LU3 3270 printer
- LU6.2 Peer-to-Peer communications

SNA 5250

- LU4 5250 printer
- LU6.2 Peer-to-Peer communications
- LU7 5250 display

SNA 3770

- LU1 3767 printer keyboard

Terminal emulation support

SNA 3270

- LU1 3270 printer
- LU2 3270 display
- LU3 3270 printer

SNA 5250

- LU4 5250 printer
- LU7 5250 display

SNA 3770

- LU1 3767 printer keyboard

X.25

- ASCII terminal session

Projects

Fast and Gigabit Ethernet

Token ring

ISDN PRI30

Sync and Async V.24 / V.28

Sync V.11

Supported protocols

SNA Enterprise Extender

IP

IPX

XOT

LLC2

SDLC

HDLC

Security implementations

TLS 1.1

ISO 8732 wholesale banking standard

Server types

SNA

- PU 1
- PU 2
- PU 2.1

IPX

- Router

IP

- Router
- Secure web portal

X.25

- CompuServe frontend emulation
- BT PSS frontend emulation
- X.25 switch
- X.25 front-end to ASCII hosts

Brown's Operating System Services Ltd

Mobile and Remote Access Excellence Throughout Your Network

Brigade Works
Brigade Street
London SE3 0TW
United Kingdom

Telephone : +44 (0)20 8297-9797
Facsimile : +44 (0)20 8318-3939
Web : www.brownsbox.com
e-mail : information@brownsbox.com

Registered Office
Melbury House
34 Southborough Road
Bromley, Kent BR1 2EB
United Kingdom

Registered in England
No. 1383993. VAT no. GB 324 0337 00

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