Technology Briefing: **IPv6** (Half Day)

A comprehensive analysis of the future of the Next Generation Internet Protocol – IPv6

Why this briefing?

Leading businesses are implementing IPv6 now. The operating systems, network devices, software interfaces and standards are ready. IPv6 address space is being allocated and connectivity is available from an increasing number of Internet Service Providers.

In certain areas IPv6 rollout, is not only inevitable it is already happening. Even so, for many, IPv6 is something that they believe will *never* happen.

What is the truth about IPv6? How will different businesses be affected by the rollout of IPv6? In particular what will the impact of IPv6 be on your business?

This briefing answers these questions. It provides an overview of IPv6 and related technologies and takes a detailed look at the current market and expected trends.

This briefing analyses the growth of IPv6 with particular attention being paid to UK businesses. It looks at the effect IPv6 will have on IT service and supply companies within the UK.

Contents

The Need for IPv6
Problems with IPv4
Is there an Address shortage?
New requirements

New Features of IPv6
IPv6 Design
Comparison with IPv4
Autoconfiguration
IPv6 Security
Quality of Service
Mobile IPv6
Performance

Network Applications & IPv6
Name services (DNS)
Web Servers
Browsers

The Migration Process
Transition features of IPv6
Planning
Evaluation
Migration of Platforms
Migration of Applications
Software Development
When to Migrate
Time-scale Predictions

The Current Status
Operating Systems
Network Infrastructure
IPv6 Networks
Business Applications
Mobile IP & 3G

Analysis

Demonstrations

During the briefing there will be a number of short demonstrations. These will be on the major operating systems Windows, Unix and Linux.

The demonstrations will show IPv6 in action. They will include the following components:
- Basic IPv6 Configuration
- Autoconfiguration of IPv6
- IPv6 Router Configuration
- Security Configuration
- IPv6 DNS operation
- Network monitoring of IPv6
- Browsing the web over IPv6

Timings

The briefing typically starts at 9:30 and concludes at 2pm. There is ample time for discussions and questions

The Company

Erion Ltd are world leaders in IPv6 training and consultancy. We provide IPv6 services across, Cisco, Linux, Solaris, WindowsNT, Windows2000 and WindowsXP.

Please see www.erion.co.uk.