Management Briefing: IPv6 (half day)

A short business briefing on the Next Generation Internet Protocol – IPv6

Why this briefing?

The implementation of IPv6 is inevitable and will impact on all companies that maintain, implement or use IP networks.

IPv6 is the result of many years of research and activity by the international Internet community. IPv6 provides increased addressing space, improved routing, better security and support for new applications.

In this briefing, you will learn what IPv6 is and how it will affect your business.

You will be shown how IPv6 can be the basis for technical improvements in your organisation which were impossible with IPv4 (widespread Voice over IP, security enhancements, mobile access). Enabling you to determine how IPv6 will impact your organisation, and helping you to initiate the development of a migration strategy.

Who Should Attend

This course is ideal for IT directors and managers, strategists, network consultants, development managers and anyone who requires a business focussed overview of IPv6.

No knowledge of IP is assumed although a general understanding of the Internet, networking and IT is advised.

Course Contents

Introduction
The problems with IPv4 and the Internet today

The IPv6 Protocol Basics
IPv6 header
IPv6 Addressing
Optional headers
Changes to higher layers

Autoconfiguration
Stateless & Stateful
DHCPv6
Link-Local Addresses
Neighbour Discovery
Router Discovery

New Features of IPv6
IPv6 Security
Quality of Service
Mobile IPv6
Routing Changes
Fragmentation
Changes to higher layers

The Migration Process
Planning
Evaluation
Upgrading you servers
Changes to Applications
Affects on software development

The Current Status
Operating Systems
Network Software
Network Infrastructure
IPv6 Networks
Business Applications
Your Applications

Demonstrations

During the briefing there will be a number of short demonstrations.

Demonstrations will be on the major operating systems (Windows, Unix and Linux) as well as Cisco IOS.

The demonstrations will show:
- Basic IPv6 Configuration
- Autoconfiguration of IPv6
- IPv6 Router Configuration
- Security Configuration
- IPv6 DNS operation
- Network monitoring of IPv6

The Lecturers

All our lecturers are practising network consultants with extensive experience with IPv6 networking on UNIX, and Windows in large commercial environments. They are ideally suited to bringing you an up to date analysis of the status of IPv6.

The Company

For further information about the training and our company see our web-site at www.erion.co.uk