



UKUUG & O'Reilly presents:

'Practical DNSSEC Tutorial/Training course'

Wednesday 16th November 2011

Imperial Hotel, Russell Square, London WC1B 5BB

This one day tutorial is aimed at experienced or aspiring DNS administrators who want to learn about DNS Security Extensions (DNSSEC). A basic knowledge of Unix and DNS is expected and required.

Topics covered include:

- *What is DNSSEC?
DNS vulnerabilities
How DNSSEC addresses them
New DNSSEC resource records
Chain of trust / islands of trust / DLV
DNSSEC-capable servers
- *BIND utilities
Creating DNSSEC keys
Manual zone signing
- *BIND auto-sign
Configuration
Dynamic DNS (DDNS)
Configuring BIND update policies
Creating SIG(0) keys
Dynamic updates with nsupdate
- *PowerDNS
Serving DNSSEC-signed zones from PowerDNS
PowerDNS as an in-line signer
- *Key rollovers
dig / drill
- *DNSSEC slave servers
BIND
NSD
Protecting zone transfer with TSIG
- *The Unbound DNS caching server
Scenarios for Unbound deployment
Configuring DNSSEC
Islands of trust
DLV
Unbound and your own islands of trust
- *Monitoring
- *DNSSEC "applications"
SSHFP
What is DANE?

Who should attend? Those who use DNS and are considering deploying DNSSEC. Attendees should have some experience of running a BIND9 name server and be familiar with the jargon for resource records, as well as the syntax of zone files. We will discuss two quite different brands of name server for serving DNSSEC: BIND9 and PowerDNS.

Attendees are encouraged to bring their own laptops (Unix/Linux recommended, but Windows OK) so that they can follow the practical exercises. We will set up an authoritative DNSSEC-signed zone and will configure an Unbound caching server to validate DNS queries.

Tutor biography: Jan-Piet Mens is an independent consultant and sysadmin. He has authored the book *Alternative DNS Servers* as well as a variety of technical publications (<http://mens.de>)

Visit the web site at: www.ukuug.org/events/DNSSEC/ for delegate costs and on-line booking

**Places are limited - early booking is essential
Early-bird rates available until 3rd October**

This event is organised by: UKUUG Ltd. for people who care about open IT standards and the systems that implement them. UKUUG promotes education and understanding through its newsletter, regular briefings and conferences. It is independent of any industry groupings and not-for-profit. It values intelligence, thoughtfulness and long-term thinking rather than immediacy and froth.

O'Reilly - www.oreilly.com - publishers of the iconic 'animal books' spreads the knowledge of innovators through its books & services. The company has a long term history of advocacy, meme-making & evangelism.

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BOOKING FORM (NOTE - AFTER 3rd October 2011 STANDARD RATES WILL APPLY)

NOTE: FEES INCLUDE REFRESHMENTS, LUNCHES AND TUTORIAL NOTES

****PLACES ARE LIMITED - EARLY BOOKING IS ESSENTIAL****

Name:

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.....

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**EARLY BIRD RATES UP TO 3rd October £210 (members inc. vat) - Individual & Academic members
£270 (members inc. vat) - Corporate members
£320 (non-members inc. vat)**

Please book place(s) at DNSSEC Tutorial on 16th November 2011 £.....

I require vegan / vegetarian / special diet (please indicate)

To become a member of UKUUG please contact the Secretariat

(PAYMENT: Places MUST be paid for in full prior to the event) TOTAL £.....

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