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**

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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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