



UKUUG & O'Reilly presents:

ADVANCED DNS ADMINISTRATION USING BIND9
A one-day tutorial – by Jim Reid

13th October 2009

Imperial Hotel, Russell Square, London WC1B 5BB

This one day tutorial is intended for DNS administrators who wish to extend their understanding of how to configure and manage name servers running BIND9. They should have some experience of configuring and running a name server and be familiar with DNS jargon, resource records as well as the syntax of zone files and named.conf. The course provides a number of answers to the question: "I've set up master (primary) and slave (secondary) name servers. What else can I do with the name server?".

Outline:

The BIND9 Logging Subsystem

- *getting the most from the name server's logs*
- *analysing BIND9's statistics*

Managing the name server with rndc

How to Configure Split DNS

- *managing internal and external versions of a domain*
- *using the views mechanism of BIND9 to implement split DNS*

Setting up an internal root server

Securing The Name Server

- *running it chroot(ed)*
- *using access control lists*
- *preventing unwanted access*

Dynamic DNS (DDNS)

- *dynamic updates with nsupdate*

IPv6

- *DNS considerations for IPv6 deployment*
- *resolving and answering queries with IPv6*

Transaction Authentication/Signatures

- *using TSIG and SIG(0)*

Secure DNS (DNSSEC)

- *how to sign zones with dnssec-keygen and dnssec-signzone*

Tutor: Jim Reid started using a PDP11/45 running V7 UNIX over 20 years ago and has been working with UNIX systems ever since. He worked for three years at Origin on behalf of Philips Electronics, where he wrote a DNS management system and designed, built, and ran the DNS infrastructure for the corporate network, one of the biggest in the world. He has over a decade's experience in writing and teaching training courses ranging from kernel internals, through system administration and network security, to DNS administration. He's a frequent speaker and tutorial presenter at conferences and workshops in Europe and the USA. He chairs the DNS Working Group at RIPE and is active in ENUM, serving as Chair and Technical Manager of the UK ENUM Trial group.

More information, including the on-line booking form can be found at: www.ukuug.org/events/dns

EARLY BOOKING FOR THIS TUTORIAL IS RECOMMENDED

