

Provisional Programme Day 1 (in no particular order)

Tuesday 19th February - Files & Storage

Clustering with the GFS2 shared-storage file system

Speaker: Steve Whitehouse, Red Hat UK Ltd.

Abstract: GFS2 is a cluster file system for enterprise deployments. It allows you to manage clusters of servers, including large clusters (e.g. over 100 nodes) as if it was one server, allowing your normal applications to run without changes, without redundant copies and with simplified back-up and disaster recovery.

An Introduction to High Availability

Speaker: Chris Procter, Open Minds High Availability Solutions

Abstract: High Availability clustering allows continuous access to your critical services. This presentation will explain the basics of High Availability clustering and what it can do for your servers, we will also look at the potential drawbacks and what you can do to overcome them

How companies achieve High Availability

Speaker: Shobana Patel, Open Minds High Availability Solutions

Abstract: Server downtime can cause major disruptions in organisations where staff require 24/7 access to IT resources. This talk outlines High Availability Solutions and discusses customer stories, their particular problems, and how they have protected their applications and data.

Secure Network filesystems with OpenAFS

Speaker: Simon Wilkinson, University of Edinburgh

Abstract: Edinburgh University is in the process of deploying a next generation, secure, networked filesystem for general computing use. This talk will present some of our experiences to date in this deployment, discussing local requirements for a networked file system, an evaluation of contenders in this space, and the detailed performance and stability investigation of AFS vs NFSv4 that we performed, and why AFS was chosen.

Storage at 1 billion km per hour

Speaker: Dr. Charles Curran, CERN (European Organization for Nuclear Research)

Abstract: CERN, the world's largest particle physics laboratory will shortly start up its newest accelerator, the Large Hadron Collider. This will produce some 15PB of data every year, at rates up to 1.5GB/s (130 TB/day). This poses some interesting storage challenges for CERN's mass storage system and its IT personnel. Can we collect data at this rate? Where should we store it? Can the collected data be read back for analysis each year? Can it be kept more or less for ever? And, can this be done at a reasonable cost? Dr. Curran will talk about meeting these challenges.

For up-to date information on talks and speakers for both days please see web site – <http://www.ukuug.org/events/seminars/fab2008/programme>

Provisional Programme Day 2 (in no particular order)

Wednesday 20th February - Backups & Recovery

Reliable Backups without tapes

Speaker: Ben Harris, University of Cambridge

Abstract: Historically, the usual approach to backing up computer systems involved using data tapes and storage in a fire safe. More recently, hard disks have become cheap enough that storing backups on spinning disks has become financially viable. For the last two years the University has been backing up many of its smaller Unix systems onto a pair of redundant, geographically diverse servers full of disks. This talk discusses what we did, how we did it and how well it worked out.

Orchestrate your Data Center

Speaker: Jo De Baer, Novell

Abstract: How can we have a tidy and efficient data centre, where physical failures are unnoticeable to end users, if our data centres contain heterogeneous hardware, operating systems, storage and other resources? Jo De Baer will look at storage management that is grid-inspired, usage-oriented and based on open standards such as CIM, SMASH, and SMI-S.

Backup and Recovery with Bacula

Speaker: Kern Sibbald, Bacula (Lead Developer and founder of the Bacula project)

Abstract: Bacula is the leading open-source network Backup Solution for Unix, Linux and Windows, it allows the system administrator to manage backup, recovery, and verification of computer data across a network of computers of different kinds. Kern will explain how to implement a Bacula-based backup and recovery system, from a handful of servers to hundreds of computers.

Backup integration with filesystem snapshot capability

Speaker: Howard Thomson, Gem Brian

Abstract: Filesystems such as btrfs, Hammer, Ceph, and LVM are including snapshot, replication and rollback facilities as an integral part of their implementation. Integrating the implementation of a back-up system with the raw storage mechanisms of the file-system can both improve the performance of the back-up process and improve the degree of system consistency on restore.

Title to follow - Speaker: Adam Spiers, Novell

Lightning Talks: - Speaker: YOU

Lightning talks allow delegates to present a five minute talk on any area covered by the FAB 2008 seminar, e.g. files, storage, backup, recovery, availability, etc. Book your slot beforehand by emailing: fab@ukuug.org – or volunteer on the day!

The Seminar finishes each day at approx. 17:00 when delegates will be invited to join UKUUG Council and speakers for a free drink in the hotel bar.

VENUE: The Tudor Room, Imperial Hotel, Russell Square, London WC1B 5BB

The nearest underground station is Russell Square. A car park is available at the hotel (parking fee £10 for the day - pre-booking is not necessary).

Starting at **09:15** for registration and refreshments, the seminar will start proper at **09:45** each day and will finish at approximately **17:00**. Further refreshments will be available am and pm and a hot/cold buffet lunch provided. Delegates are also invited for a complimentary 'beer' in the hotel bar area after the seminar.

Costs – early bird rates apply until 23rd January:

Day 1 - 19th February **OR Day 2 - 20th February**

UKUUG members: £80 + VAT (£94 inc. VAT)

Non-members: £95 + VAT (£111.62 inc. VAT)

Day 1 - 19th February **AND Day 2 - 20th February**

UKUUG members: £140 + VAT (£164.50 inc. VAT)

Non-members: £170 + VAT (£199.75 inc. VAT)

Standard rates – after 23rd January

Day 1 - 19th February **OR Day 2 - 20th February**

UKUUG members: £95 + VAT (£111.62 inc. VAT)

Non-members: £130 + VAT (£152.75 inc. VAT)

Day 1 - 19th February **AND Day 2 - 20th February**

UKUUG members: £170 + VAT (£199.75 inc. VAT)

Non-members: £200 + VAT (£235.00 inc. VAT)

The above prices include FULL day seminar(s), refreshments and lunch.

Use the booking form enclosed or go to the web site below to book on line.

<http://www.ukuug.org/events/seminars/fab2008/>

BOOKING DEADLINE: THURSDAY 14TH FEBRUARY

If you are a non-member and wish to join UKUUG the following membership fees are applicable:

Institutional £199.75 inc. VAT Individual £41.13 inc. VAT

Concessionary £23.50 inc. VAT (proof of status req.)

PAYMENT: Payment must be included with the booking form. Please use the form enclosed.

Acknowledgement letters and VAT received invoices will be sent.

CANCELLATIONS: Refunds on any cancellation will be subjected to a £30 fee (inc. VAT).

Refunds will not be made on delegate places cancelled after 5th February.

LIABILITY: UKUUG does not accept any responsibility for damage to, or loss of property or injury to person during the entire event.



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'FAB 2008'

the first UKUUG 2 day seminar for 2008

Tuesday 19th February - Storage
Wednesday 20th February – Backups & Recovery

**The Tudor Room,
Imperial Hotel, Russell Square, London WC1B 5BB**

(registration 09:15 – seminar starts at 09:45)

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This event is organised by: UKUUG Ltd., UKUUG is the UK's Open Systems User Group, 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.