



## IBM Power Technical Enablement Workshops 2020

Systems Lab Services are pleased to announce the following IBM Power technical enablement workshops during 2020.

They will be held at IBM South Bank, London, England, and are open to either Business Partners or End User Customers. Only a limited number of participants can be accommodated, therefore they will be selected on a "first come, first committed" basis. Each workshop is subject to a minimum attendance and will be confirmed approx four weeks prior to the start date.

Date	Workshop Title	OS	Instructor(s)
March 24 - 26	iPerformance Analysis Workshop (iPAW)	IBM i	Morten Rasmussen + TBD
April 7 - 9	HA / DR or Power Security AIX (and Linux)	AIX, Linux	Bernhard Buehler
April 14 - 17	DB2 + SQL Performance	IBM i	Morten Rasmussen
June 9 - 11	AIX + VIOS	AIX	Turgut Genc
July 14 - 17	i Security	IBM i	Thomas Barlen
September 22 - 24	AIX Security	AIX	Turgut Genc
December 1 - 3	DB2 Mirror for i	IBM i	Morten Rasmussen + David Painter

- We also hope to run a Power AI workshop, dates / instructor to be confirmed.
- Class duration and start / end times for the workshops may vary.
- Workshops will be delivered as a combination of presentation material, hands-on labs and discussion - "as required" for each workshop.
- IBM may choose to vary content and dates / duration if required.

### Workshop synopsis

#### iPerformance Analysis Workshop (iPAW)

- March 24 - 26 (3 days, Tues - Thurs)
- Managing and analyzing the data can be quite complex. During this workshop, the IBM Systems Lab Services IBM i team will share useful techniques for analyzing performance data on key IBM i resources, and will cover strategies for solving performance problems.
- It will aid in building a future foundation of performance methodology you can apply in your environment.
- Topics covered include:
  - Key performance analysis concepts
  - Performance tools
  - Performance data collectors (Collection Services, Job Watcher, Disk Watcher, and Performance Explorer)
  - Wait accounting
- Core methodology and analysis of:
  - Locks
  - Memory

I/O subsystem  
CPU

- Concept reinforcement through case studies and lab exercises
- Discussions on theory, problem solving, prevention and best practices
- Experience level - Intermediate, attendees should have an understanding of IBMi operations and administration

### HA / DR or Power Security AIX (and Linux)

- April 7 - 9 (2.5 days, Tues - Thurs)
- Introduce the basics to plan and build Availability and/or Disaster Recovery solutions for existing or new Power systems.
- When to use which solution?
  - basics about Availability and DR
  - general architectural differences
  - how to plan for appropriate solution
  - Overview of availability and DR solutions
- Power HA
  - what's new (for AIX and Linux)
  - what's new for GUI, ROHA
  - tools update / upgrade
  - CAA and RSCT details
  - split brains decisions
  - network settings related to availability
  - additional settings for HA - AIX, VIO
- VM Recovery Manager overview
- Experience level – Intermediate

### DB2 + SQL Performance

- April 14 - 17, 2020 (3.5 days, Tues - Fri)
- Experience level - Intermediate, attendees should have an understanding of IBMi operations and administration

### AIX + VIOS Performance

- June 9 - 11, 2020 (2.5 days, Tues - Thurs)
- Measure, Analyse and Tune common performance issues on AIX and VIOS performance
- New and existing capabilities of PowerVM will be uncovered while exploring underlying industry standard protocols and technologies
- What exactly is performance, how is it assessed and tuned ?
- How to dissect individual resources :
  - CPU
  - Memory
  - Disk I/O
  - Network
- How do they work and how can they be optimized ?
- What are the available tools for Monitoring and Tuning ?
- What are the common pitfalls when tuning, and how to avoid them ?
- Experienced AIX and VOIS skills preferred

## i Security

- July 14 - 17, 2020 (4.0 days(Tues - Fri))
- Ensuring system security can be quite complex. The workshop will share useful techniques for creating a more secure environment on IBM i resources, and will cover strategies for solving security problems.
- It will aid in building a future foundation of security methodology you can apply in your environment.
- Agenda includes:
  - IBM i Base Security Introduction and Background
  - Single Sign-On Introduction and Implementation Good Practices
  - Principles of Encryption and Digital Certificates
  - Working with the Digital Certificate Manager
  - IBM i Network Encryption
  - Secure Socket Layer (SSL) / Transport Layer Security (TLS)
  - OpenSSH
  - Protecting Sensitive Data with IBM i Options
  - Safely Restricting Access to Objects with Authority Collection
  - Top IBM i Security Risks and How to Address Them
- Experience Level - Intermediate, attendees should have an understanding of IBMi operations and administration

## AIX Security

- September 22 - 24, 2020 (2.5 days, Tues- Thurs)
- Essential mechanisms for securing Power systems in an AIX environment
- Also covers PowerSC and the elements it adds (e.g. Trusted Logging, Trusted Boot, Trusted Connect and Virtual Firewall)
- How BigFix helps manage system, software and security patches
- Discuss / demo ways to integrate BigFix with both Power SC and PowerVC
- Experience Level - Intermediate, attendees should have an understanding of AIX operations and administration

## IBM Db2 Mirror for i

- December 1 - 3, 2020 (3 days, Tues - Thurs)
- This is specifically designed for IBM Sellers / Tech Sellers and Business Partners only, and so is currently not available for End User Customers (this may change later - so state if interested).
- The purpose of this workshop is to provide participants with the following information regarding IBM Db2 Mirror for i:
  1. What is Db2 Mirror for i and what it is not?
  2. Identifying opportunities
  3. Assessing viability of the opportunity
  4. Understanding the infrastructure, storage, performance, and other options.
  5. Positioning of Db2 Mirror versus other HA and DR products
- Experience level - TBD

## Enrolment

Enrolment will begin immediately and email [Malcolm Sanderson \(sandemi@uk.ibm.com\)](mailto:sandemi@uk.ibm.com) to enrol, and for each attendee:

[Specify which workshop\(s\) you are interested in](#)

[Your name](#)

[Your company](#)

[Your email address](#)

Contact phone number(s)

Payment preference

## Payment

Payment options per attendee per workshop

- Business Partners - BP Training Voucher (1 x PGI or Server Competency - subject to the availability)
- End User Customers - IBM i Services or Education Voucher (where eligible)
- BPs or Customers - GBP 1,800.00 (excl VAT) via IBM services contract

Attendees are responsible for their own expenses.

The figures outlined are exclusive of applicable taxes and expenses and do not represent an estimate of the likely cost or of a price to which we could commit contractually. This indicative pricing information does not constitute an offer capable of acceptance.