# AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization

**Category:** Infrastructure & IT Operations | **Vendor:** IBM

**Duration:** 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

This course explains the new features and benefits of virtualization including processor virtualization, Virtual I/O Server, and virtual devices, such as virtual Ethernet, virtual SCSI, and virtual Fibre Channel adapters.

## About This Course

This course explains the new features and benefits of virtualization including processor virtualization, Virtual I/O Server, and virtual devices, such as virtual Ethernet, virtual SCSI, and virtual Fibre Channel adapters.

## Who Should Attend

This advanced course is appropriate for System Administrators, Technical Support Personnel, and Business Partners responsible for implementing LPARs on IBM Power Systems with AIX servers.

## Learning Outcomes

**Upon successful completion of this course, participants will be able to:**

Discuss the advantages or value of PowerVM edition's featuresDefine micro-partitioning and shared processor LPARsDiscuss the benefits of simultaneous multithreadingDiscuss and configure the Integrated Virtual Ethernet (IVE)Install and configure the Virtual I/O ServerConfigure virtual network devices, such as virtual Ethernet and shared Ethernet adaptersConfigure virtual SCSI and virtual Fibre Channel storage adaptersConfigure virtual SCSI target devices on a virtual SCSI adapterDefine file-backed storage pools and file-backed virtual optical devicesIdentify single points of failure in virtualized environmentsConfigure multiple VIO servers for high availabilityConfigure advanced virtual networking optionsConfigure the shared Ethernet adapter failover featureConfigure advanced virtual SCSI optionsConfigure MPIO in a VIO server's client partitionManage the service events, configure call home, add, exchange FRUs, and discuss FSP failoverPerform PowerVM (VIOS) Maintenance

## Detailed Course Outline

### Course Outline

- Unit 1: Introduction to partitioning
- Exercise 1: Power Systems documentation overview
- Unit 2: HMC V8 enhancements
- Exercise 2: HMC enhanced interface
- Unit 3: Processor virtualization
- Exercise 3: Processor virtualization configuration
- Unit 4: Virtual Ethernet
- Exercise 4: Virtual Ethernet adapter configuration
- Unit 5: Virtual I/O Server and Shared Ethernet Adapter
- Exercise 5: Virtual I/O Server configuration
- Unit 6: Virtual SCSI devices
- Exercise 6: Client partition configuration
- Unit 7: Virtual network configuration with dual VIOS
- Exercise 7: SEA failover setup
- Unit 8: Virtual SCSI configurations with dual VIOS
- Exercise 8: Dual VIO server configuration with MPIO in the client partition
- Unit 9: Virtual Fibre Channel devices
- Exercise 9: Virtual Fibre Channel adapter configuration
- Unit 10: HMC Service Management
- Exercise 10: Manage service events
- Unit 11: PowerVM advanced systems maintenance
- Exercise 11: PowerVM system maintenance
- Exercise 12: (Optional) File-backed virtual SCSI devices

# Additional Course Details

Nexus Humans AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

### Q: What delivery options are available for AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

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### Q: How many CPD hours does this course provide?

The 5-day AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

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### Q: Do you provide corporate training for AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization?

Yes, we provide corporate training, dedicated training, and closed classes for AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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### Q: Why choose Nexus Human for AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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### Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your AN30 IBM Power Systems for AIX - Virtualization I - Implementing Virtualization training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


## Nexus Human

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