



# Capacity Management for Virtual Systems Masterclass *on-line*

The course begins with an initial review of virtualization techniques and how they have been applied to different operating system platforms. VMware is then reviewed in some detail with a case study based on a summary of practical experience of consolidation at a number of sites. Partitions and containers are also reviewed with a case study based on real life experiences. The impact of virtualization on performance and its requirements for performance reporting and capacity planning is finally reviewed.

The course is aimed at Capacity Management practitioners and/or their managers embarking on assessment of virtualization projects, or already using some degree of virtualization in production, preferably with some practical experience of both performance reporting and capacity planning.

## *Virtualization*

- Background to virtualization, range and scope of alternative approaches

## *VMware case study*

- VMware and VirtualCenter releases and data available
- Sample reports and consolidation project plan

## *Partitions case study*

- AIX LPARs, Solaris containers and HPUX partitions
- Sample reports and case study

## *Capacity Management impact and implementation*

- Server-centric traditional modelling
- Impact of workload balancing, capacity on demand and virtual machines
- Metrics available and needed as well as processes required to manage virtualization effectively

Learn how to consider whether to apply virtualization to production applications and, if so, to which ones. Also, if already using virtualization in production, learn of aspects that impact on performance and capacity management.

# Capacity Management

## The hub of the ITIL processes

To achieve service level objectives for the business, an integrated Capacity Management function operating across the three levels of business, service, and resource is essential. If your Capacity Management process complies with ITIL guidelines you can be assured that your process is beyond reproach, cost-effective, reliable, accountable, and transparent.

### Delegates will gain:

- A practical appreciation of capacity management as it needs to be addressed for virtualized servers
  - An awareness of techniques for capacity management of virtualized systems that differ from the traditional
  - An understanding of which traditional techniques are still relevant and valid
- An awareness of VMware with practical examples and an understanding of partitions and containers
- A better understanding of the metrics needed for capacity management of virtualized servers.
- A review of the impact of virtualization on the capacity management process.

### Course Format

This is an on-line course that consists of four core Topics held over five Sessions. The course includes repeated Topics making the format as flexible as possible for delegates. Repeated Topics will begin 1 hour before the start of the next new Topic.

Session	Topic(s)	Duration (hours)
1	Introduction	1
2	Introduction(rpt) ; Good Practice	2
3	Good Practice (rpt); Partitions	2
4	Partitions (rpt); Virtualization	2
5	Virtualization (rpt)	1

### Course dates and times.

For the latest information about this course, please visit our website at: [www.metron.co.uk/training/online](http://www.metron.co.uk/training/online)

The cost of the course is \$299 / £149 / €199 (plus tax as applicable)  
Payment is only accepted by Credit / Debit card in advance.  
To pay and confirm your place call Sally Bellamy on +44 (0)1823 259231

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Metron, co-author of the original ITIL Capacity Management definition, is the world's leading independent capacity management organization with 350+ years of CM experience. The course is run by practicing Capacity Management consultants who have a wealth of experience supporting and implementing CM across hundreds of organizations in all market sectors.