



Capacity Management for Virtual Systems **Master Class**

A one day course to address the performance issues arising from virtualization and how they affect the process of capacity management.

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.

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.

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 vCenter Server releases and data available
- Sample reports and consolidation project plan

Partitions case study

- AIX LPARs, Solaris containers and HP-UX 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

Course Length: 6 hours 10am – 4pm (four one hour sessions, two 15 min breaks, 1.5 hour lunchbreak)
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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.