

TEQIP

MIT Campus Anna University-Chennai.

Sponsors

TWO DAYS WORKSHOP ON VIRTUALIZATION TECHNIQUES

8-9 April, 2009

Co-ordinators

Dr. S.Thamarai Selvi
Dr.V.Rhymend Uthariaraj



Organized by

Centre for Advanced Computing Research and
Education (CARE)

&

Department of Information Technology
MIT Campus, Anna University,
Chromepet,
Chennai-600 044
Tamil Nadu, INDIA.

Jointly with

Ramanujan Computing Centre,
Anna University, Chennai-600 025.

Objective

The workshop is intended to provide opportunity for teachers employed in AICTE/TEQIP approved institutions to upgrade their knowledge in upcoming research areas of Virtualization techniques.

Description

Virtualization is the recent hype in IT which is a frame work or methodology of abstracting the resources of a computer into multiple execution environments. Virtualization can be performed at varied levels say hardware virtualization, OS, resource level etc. Virtual machines are isolated partitions of a physical machine, also called as Virtual environments. In a single machine with virtualization support multiple, independent virtual machines can be deployed, thereby achieving virtualization characteristics like isolation, security and resource provisioning.

The driving force behind virtualization is Virtual Machine Monitor (VMM) or hypervisor, is a platform that enables the creation and management of multiple OS to be run on a same host computer. VMware and Xen are two most popular hypervisors. This workshop presents the concepts and history behind the technology and creation of virtual environments using both VMware and Xen. The introduction of virtualization support to grid environment is the hot trend as far as the application of virtualization is considered next to server and storage virtualization.

Speakers

Experts from reputed organizations/ industries

Eligibility

Participants should be a faculty in any UGC recognized / AICTE / TEQIP approved institutions.

Registration

- Total number of participants is restricted to 30.
- Confirmation of participation is to be made after the selection intimation from the organizers.
- No TA/DA will be provided.
- No accommodation will be provided for the selected participants.

Contents

- Introduction and Survey of Virtual Machines
- Xen Hypervisor, VMware server and Workstation, VMPlayer
- Virtual cluster deployment
- Experiences with virtualization support for Grid environment
- Hands on Practice
 - Installation of Xen and VM creation
 - Installation of VMware workstation and VMPlayer

Institute

Madras Institute of Technology (MIT), campus of Anna University is one of India's premier engineering Institution. MIT offers higher education with the objective of devising and implementing programs of education in Engineering and Technology, constituting a blend of the conventional and unconventional career courses that are relevant to the current and projected needs of society.

Department and CARE centre

The department of Information Technology is offering B.E. (CSE), B.Tech (IT) - Regular and Part Time, B.Tech Dual degree program in IT, M.Tech in IT, M.S and PhD programmes. **CARE – Centre for Advanced Computing Research and Education**, sponsored by the Ministry of Communication and Information Technology (MCIT), Government of India, is committed with its main objective to produce skilled manpower in the field of advanced computing technologies. CARE centre has successfully conducted several workshops which provided hands on experience in various technologies related to high performance computing and continually helping aspiring researchers in the field of advanced computing offering support and guidance.

Important dates

Receipt of application : 02-04-2009
(By e-mail)

Selection intimation by : 03-04-2009
the organizers (By e-mail)

Confirmation by mail : 04-04-2009

APPLICATION FORM

**Workshop on
Virtualization Techniques
8-9, April 2009**

1. Name :
 2. Date of Birth :
 3. Designation :
 4. Institution :
 5. Institution : Yes/No
approved by
AICTE / TECH
 6. Address for :
Communication
 7. E-mail Address:
 8. Phone no. :
(with STD code)
 9. Office:
 10. Educational:
Qualification
 11. Research Interests:
 12. Professional Experience:
- Teaching:
Research:

Declaration

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop. If selected, I shall attend the workshop for the entire duration.

Signature of the applicant

Sponsorship

Mr. / Ms. / Dr. -----is the employee of our institute / Organization and he/she will be permitted to attend the course, if selected.

Date:

Place:

Seal:

Signature of the sponsoring Authority

Mailing Address

The Coordinators,
Department of Information
Technology,
Madras Institute of Technology,
Chrompet,
Chennai 600 044.

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