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December 07, 2009 13:55 IST

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'COLAMA', a virtual lab management software, especially engineered for the Indian university environment, was unveiled at the Tata Institute of Fundamental Research as part of Homi Bhabha centenary celebrations.

The product has been developed by a Pune-based private firm, Coriolis Technologies, in collaboration with the School of Technology and Computer Science at TIFR.

"COLAMA helps to significantly reduce the carbon foot print of the university and college computer labs," Basant Rajan, director and CEO of Coriolis told PTI after the demonstration.

"COLAMA allows university lab administrators to harness the benefits of virtualisation, using patent pending technology developed indigenously, without having to deal with its complexities," he said.

Virtualisation refers to a host of technologies that allow computer hardware to be shared transparently between multiple users, thus optimising utilisation and thereby reducing energy waste, Rajan, an entrepreneur-cum-researcher, said.

"The virtual lab management software has unified content and platform delivery," Prof R K Shyamasundar, dean, faculty of technology and computer science of TIFR said.

"The system has successfully completed extended field trials at a leading engineering college and holds out great promise in helping our universities adopt and adapt to cutting edge environment-friendly technologies," Rajan said.

"Adoption of virtualisation has set in motion a quiet revolution within the computer industry. Corporates, driven by cost concerns and corporate social responsibility have turned to virtualisation to significantly reduce the carbon foot print of their computer labs," he said.

"The environmental impact is significant, ranging from reduced energy consumption, to reduction in electronic waste. An institute with 300 computers can save approximately as much electricity as it would take to light up 600-700 homes per year," he said.

Colama allows for a non-disruptive change management as labs adopt virtualisation technologies, starting of using existing hardware and gradually crossing over to using thin clients.

"The paradigm involves assigning individual virtual machines to students as required and managing these life cycles of these machines thus reducing the work load on the lab administrators and reducing capital outlay for the lab," Rajan said.

Lalitha Vaidyanathan in Mumbai

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Software to cut carbon footprint of varsity labs

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The product has been developed by a Pune-based private firm, Coriolis Technologies, in collaboration with the School of Technology and Computer Science at TIFR.

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Colama allows for a non-disruptive change management as labs adopt virtualisation technologies, starting of using existing hardware and gradually crossing over to using thin clients.

"The paradigm involves assigning individual virtual machines to students as required and managing the life cycles of these machines thus reducing the work load on the lab administrators and reducing capital outlay for the lab," Rajan said.

The use of virtual machines brings down the energy consumption of the lab without compromising on the learning experience of the student, Shyamsunder said.

Talking about virtualisation, Rajan said that it uses state of the art techniques to simulate a computer for the student, much the same way flight simulators are used to teach aspiring pilots.

"Virtualisation, when harnessed appropriately, reduces costs by improving utilization," he added.



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A new software to reduce carbon footprint

The virtual lab management software named 'Colama' is claimed to help carbon footprint in labs of educational institutes

Monday, December 07, 2009

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MUMBAI, INDIA: Even as world leaders are gathering at Copenhagen in a bid to explore ways to curtail carbon emission, a new software, which claims to help carbon footprint in labs of educational institutes has been developed by a Pune-based company.

The software, 'Colama', developed by Coriolis Technologies, was launched by Tata Institute of Fundamental Research (TIFR) recently, as part of three-day Homi Bhabha centenary celebrations in Mumbai, according to a PTI report.

Specially developed for Indian university environment by Coriolis Technologies, Colama enables educational institutes to play their role in addressing the challenges of global climate protection by offering better energy-efficient computing, claimed the website of Coriolis Technologies.

It also enables institutes to consolidate their physical server requirements to a minimum by intelligently using the un-utilized resources of the lab computers. Colama offers up to 70 per cent savings on annual power and cooling cost.

Also, Colama increases the machine re-cycling cycle by 80-100 per cent thereby reducing the amount of e-waste generated by the institutes, adds the website.

The software will also enable students to work in a virus-free environment in their college labs, Basant Rajan, director and CEO of Coriolis said.

With Colama, the institutes have certain other advantages too as they need to buy less number of physical computers, less costly/powerful (may be thin client) desktops for students. And also, due to its storage optimizing technology, one needs to buy 50-70 per cent less storage than required by the student's virtual machines, says the website.

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A virus-safe software to reduce carbon footprint

Press Trust of India / Mumbai December 7, 2009, 13:43 IST

At a time when the world is deliberating upon ways to cut carbon emissions, here is a software especially developed for Indian university environment to help reduce carbon footprint in labs.

'COLAMA', a virtual lab management software, will also enable students to work in a virus-free environment in their college labs.

The software was unveiled by Tata Institute of Fundamental Research (TIFR) here as part of three-day Homi Bhabha centenary celebrations which concluded last weekend.

The product has been developed by a Pune-based private firm, Coriolis Technologies, in collaboration with the School of Technology and Computer Science at TIFR.

"COLAMA helps to significantly reduce the carbon foot print of the university and college computer labs," Basant Rajan, Director and CEO of Coriolis told PTI after the demonstration.

Virtualisation refers to a host of technologies that allow computer hardware to be shared transparently between multiple users, thus optimising utilisation and thereby reducing energy waste.

Also, it will enable students to work in a virus-free environment, Rajan, an entrepreneur-cum-researcher, said.

"COLAMA allows university lab administrators to harness the benefits of virtualisation, using patent pending technology developed indigenously, without having to deal with its complexities," he said.

"The virtual lab management software has unified content and platform delivery," Prof R K Shyamasundar, Dean Faculty of Technology and Computer Science of TIFR said.

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"Adoption of virtualisation has set in motion a quiet revolution within the computer industry. Corporates, driven by cost concerns and corporate social responsibility have turned to virtualisation to significantly reduce the carbon foot print of their computer labs," Rajan said.

The environmental impact is significant, ranging from reduced energy consumption, to reduction in electronic waste. An institute with 300 computers can save approximately as much electricity as it would take to light up 600-700 homes per year," he said.

Colama allows for a non-disruptive change management as labs adopt virtualisation technologies, starting of using existing hardware and gradually crossing over to using thin clients.

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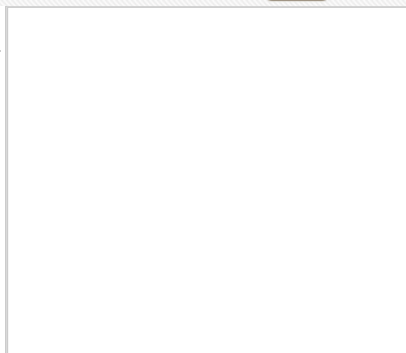
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And now, a software to reduce carbon footprint!

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